Light →
as a solution

InstaLighting

Table of contents

p. 4 **Because light touches and inspires us**

The Berliner Allee
The Olaya Towers
The Lippe Bridge
EKISO – Immermannhof Square
The Willemsbrug
The Centrumsplein Emmen
Park Pärnu Vallikäär and the Tallinn Gate
G DATA Software AG
Sartorius AG
Dietrich-Oppenberg-Haus

p. 26 **Products & Solutions**

Outdoor luminaires
Light line system indoor/outdoor
Light insert for indoor and outdoor use
Luminaires for interior rooms
Control
Accessories

p. 352 **Contact**

Products & Solutions

p. 26 – 130

Outdoor luminaires

instalight 3050
> 28 – 36

instalight 3065 / instalight 3065 DB
> 37 – 45

instalight 1065 / instalight 1065 DB
> 46 – 72

instalight 1060
> 74 – 99

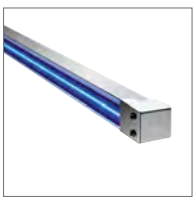
instalight 3090
> 100 – 107

instalight 4020
> 108 – 127

instalight 4020 DB
> 128 – 130

p. 132 – 155

Light line system indoor/outdoor



instalight 4010
> 132 – 147

instalight 4010 DB
> 148 – 155

p. 156 – 199

Light insert for indoor and outdoor use > LEDLUX

LEDLUX linear
> 156 – 157

LEDLUX plane
> 188 – 199

p. 200 – 299

Luminaires for interior rooms

instalight 4033 NoLimit
> 200 – 252

instalight 3014
> 256 – 257

instalight 3015
> 258 – 259

instalight 3016
> 260 – 261

instalight Tec
> 262 – 281

instalight Flat
> 282 – 299

p. 300 – 328

Controls

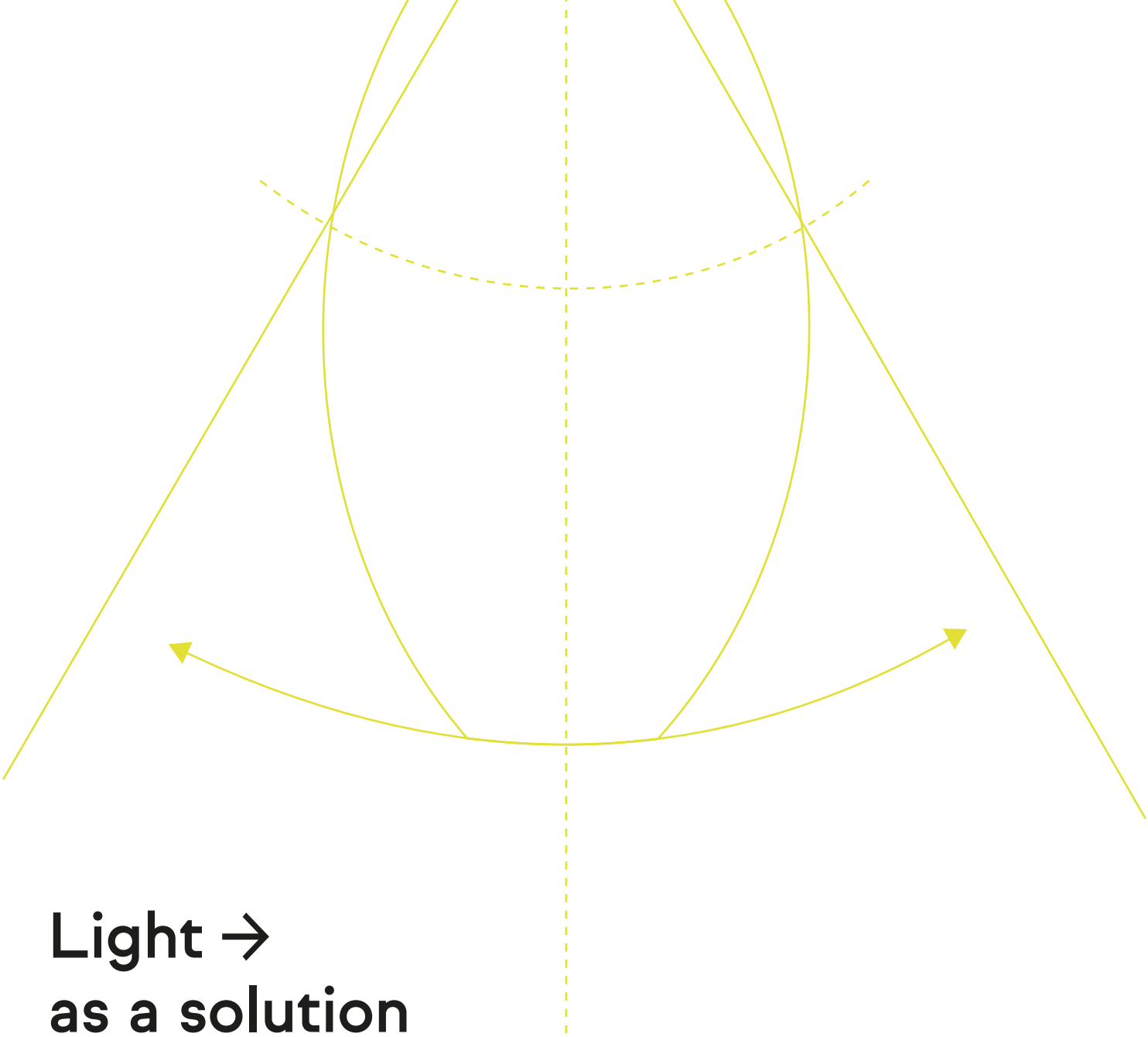
instalight Vario
> 304 – 309

instalight Control
> 310 – 328

p. 330 – 346

Accessories

Accessories
> 330 – 346



Light →
as a solution

We are InstaLighting, the experts for lighting and building technology. We offer ideas, solutions and services that make architecture brighter, buildings smarter and controls more efficient. And that help you create unique moments – and celebrate them.

Intelligent light is more than technology – it‘s an enhancement for cities, tourism, traffic, ecology, shopping experiences, security and the networked world of tomorrow. That‘s why we don‘t develop rigid luminaires, but modular lighting systems that adapt flexibly to users and the requirements of projects and OEMs.

For us, simplicity is the key to everything:
simple configuration, simple operation, simple logistics put the user at the centre of a project. As a solution provider, we offer a single point of contact for each project, linking all the units and interfaces so that control, mounting, light planning, commissioning and service all interlock smoothly. We combine our know-how in planning, development, production and logistics so that we can always optimally integrate into our customers‘ processes.

Controls → Outdoor luminaires → Luminaires for interior rooms

From one source

The Berliner Allee

Düsseldorf, Germany

The address 26 Berliner Allee in Düsseldorf is one of the prestigious and central addresses in the city. Running parallel to it and renowned worldwide for its splendid shopping area and boulevard is the Königsallee, also known as „the Kö“. After a partitial renovation and an alteration to the faade, the prestigious business premises of 26 Berliner Allee which glow red and white at night, fit perfectly within these stimulating surroundings. For us the motto was: Exterior lighting under one roof.

LUMINAIRES

> LEDLUX linear RGB

> LEDLUX linear TW

REFERENCE

Realisation: 2017

Architecture: F&G Geddert Architektur und Städtebau

Photo: Boris Golz

From the management, throughout the programming and up to the installation: All the lighting solutions and performance for this Düsseldorf project were supplied by us. The job at hand: Once the alterations on the building's facade were completed, the impact panes – which are not just for there for protection against the weather – were to be lit and enhanced by means of a sophisticated background lighting. Each single light at the back can almost be controlled in real time. We catered for a particular highlight in which two special versions of the LEDLUX RGB and LEDLUX TW were enthroned in a fully encapsulated stainless-steel casing. At night, fascinating scenes run across the facade, created by dynamic colour displays which emit from the lighted elements. For instance, the Japanese flag sporadically appears or the building lights up in red and white to show Düsseldorf's city colours. This is particularly a special feature because normally Düsseldorf only allows for pure white.

Indestructible
The Olaya Towers

Riyadh, Saudi Arabia

The Olaya Towers in Riyadh, Saudi Arabia, rise majestically above Riyadh's Central Business District. These two imposing towers filled with office space stretch approximately 200 m into the sky. In 2013, we retrofitted the facades using our very own lighting solution which we developed in-house. It is consistent, uniform and of course aesthetically fits in with the modern arabian style.

A total of 1,310 m of instalight 4010 with LEDLUX LH were installed. Our greatest challenge, was outlining the structure of the towers with a height of 200 m and with only a limited feed capability. The solution was to connect 21 m of our light inserts together. This ensured that there are no holes or ducts in the facades for anything to crawl into.

Even when subjected to a stress test at 65 °C, the system verified its durability. Needless to say, it passed with flying colours. Since then, KNX temperature and brightness sensors have been comfortably controlling the lighting system, which means that the lights only come on after dusk, when the temperature has already started to drop.

The 4010's clever microprism cover provides an even light coverage. It also ensures, that in the unlikely event of individual LEDs failing, no gaps will be visible to the viewers eye. This is a positive side effect which has left our client extremely happy and elated with our long-life lighting solution.

REFERENCE

Realisation: 2013

Building owner: General Organization for Social Insurance (GOSI), Riyadh, Saudi Arabia/Nesma and Partners, Dschidda, Riyadh, Saudi Arabia

Architect: Zuhair Fayez Partnership Consultants

Light planner: Al HRFA

Photo: Photographysaudia, Syed Mohammed Noornabi

LUMINAIRES

> LEDLUX LH linear

> instalight 4010

A definite eyecatcher

The Lippe Bridge

Lünen, Germany

This charming little town in western Germany unites the pulsating energy of the industrial Ruhr valley and the pastoral peace of the countryside around Munster. The new Lippe bridge is an important transport route and has increased the town‘s draw, as well as creating a beautiful viewing point. We are proud that our lighting technology played a significant role.

REFERENCE

Realisation: 2016

Building owner: Stadt Lünen

Architecture: Schülke Wiesmann Ingenieurbüro

Light planner: tecnoPlan GmbH & Co. KG

Photo: Boris Golz

This impressive new trussed arch bridge appears lean and nimble. It practically floats above the river. You can barely tell that 42 m of handrail is covered in instalight 4020 robust LED light inserts at a height of 1.1 m, when it's lit anyway. That's because they are integrated into the grooved tube of the handrail. At night, light is distributed pleasantly across the pavement offering no glare from which pedestrians, cyclists and motorists benefit alike. The LEDLUX LH linear LED light line system is integrated into the benches in the middle of the bridge, adding the finishing touch to the basic lighting. Built-in power supply units mean the compact modules can be directly connected to a 230 V supply, saving installation time and reducing the amount of space required. With a colour temperature of 3000 Kelvin and a high colour rendering index (over 90), the bridge bathes in a warm and cosy light provided by our LEDs, which also provide light for vision and safety with no need for pole-lighting.

LUMINAIRES

> LEDLUX LH linear

> instalight 4020

Vandal-proof

EKISO – Immermannhof Square

Düsseldorf, Germany

The Immermannstrasse in Dusseldorf is one of the important main junctions in the city, with direct links from the main train station to the new Kö-Bogen, to the heart of the Japanese centre and a prominent shopping area. A residents' meeting on the upgrading of the pedestrian routes and how to better connect the street resulted in several ideas, one of them being a new lighting concept.

A range of features was to improve the lighting and road safety conditions on the Immermannstrasse: innovative street lighting, highlighting the sycamore trees using floor spotlights and new footpath lighting.

Our instalight 1060 tunable white recessed floor luminaires were positioned on Immermannplatz to create an effect reminiscent of origami. This light installation is switched on using instalight control, meaning a raft of static and moving scenes turn on automatically.

We saved the best until last: the site owner himself was won over by the sturdiness of the Insta recessed floor luminaires where beforehand there had been problems with lighting installations in the vandalism-ridden area around the train station.

REFERENCE

Realisation: 2016

Building owner: State capital Düsseldorf

Architecture & Light planner:
Planungsbüro DTP Landschaftsarchitekten GmbH, Martin Richardt

Photo: Boris Golz

LUMINARES

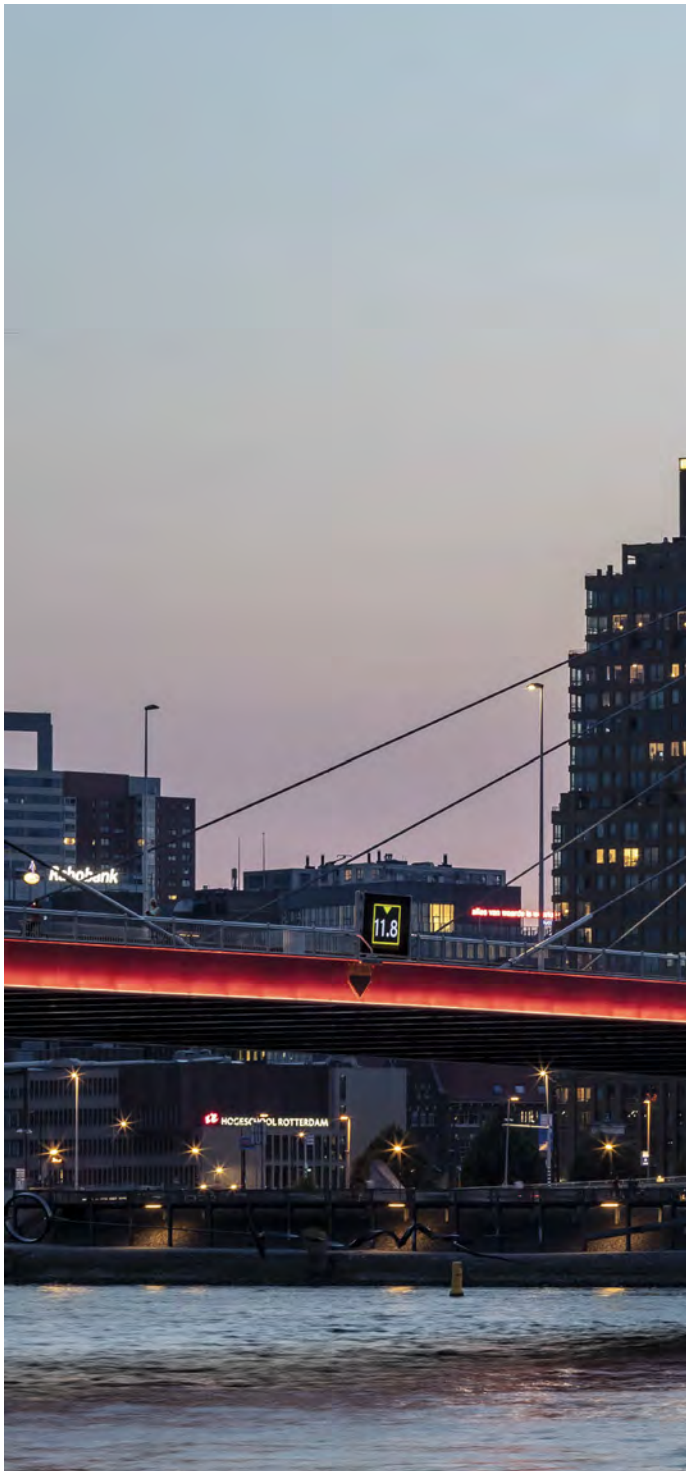
> instalight 1060

CONTROL

> instalight Control

A stable traverse
The Willemsbrug

Rotterdam, Netherlands



Trendy harbour flair, distinctive architecture, artistic and cultural stronghold. People come from all corners of the world to meet up here, in Rotterdam. Since March 2018, Europe's largest seaport has been enriched by yet another attraction: The "Willemsbrug" – one of Rotterdam's three largest bridges which span the New Meuse, has certainly made a name for itself as Holland's "Golden Gate Bridge". The lighting technology used to impressively illuminate it's pylons, foundations and the bridge's framework, was supplied by InstaLighting in two construction phases.

In 2016, to achieve an optimal light output and accentuation within the smallest of spaces, narrow and wide-beamed spotlights (instalight 3050) and facade spotlights with asymmetrical wallwash optics (1065) were installed at the pylons. The colour setting for each pylon leg is separately adjustable. For the plinth lighting, 210 metres LEDLUX LN linear and instalight 4010 with a constant 5°-optic were used.

Due to bridge repairs in 2017, the illumination had to be completely dismantled only to be reassembled again in 2018. On top of this came the demand that the lighting was to fall on the lateral framework and that no light should emit upwards into the sky. Detailed work was required here caused by the fact that a permanently installed maintenance wagon travelled a route that only left a width of 8 cm to work in. The framework was fitted with LEDLUX LX linear installed in the stainless-steel instalight 4010 profile with narrow beam 5°- optics. The lighting on the Willems Bridge is managed by instalight Control, as an add-on also by remote internet maintenance. Thanks to glass fibre cables, the lighting colour can be synchronised and centrally controlled. Thus, at night the bridge can unfold its maximal radiance.

REFERENCE

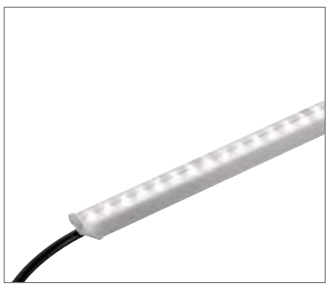
Realisation: 2016, 2018

Building owner: Municipality of Rotterdam

Installation: Ziut BV, Arnhem NL

Light planner: Studio DL

Photo: Boris Golz



LUMINAIRES

> LEDLUX LN linear
LEDLUX LX linear

> instalight 4010

> instalight 3050

> instalight 1065

Wonderfully watertight

The Centrumsplein Emmen

Emmen, Netherlands

REFERENCE

Realisation: 2015

Building owner: Gemeente Emmen

Light planner: Studio DL, Jan van der Tuin

Photo: Studio DL, Dirk-André Betz

The town of Emmen is home to the largest shopping centre in the north of the Netherlands, and it has a lot to offer. Moreover, the decision makers there are really serious about regenerating the town centre, including a lighting-based metamorphosis of Boulevard Noord, Marktplein and Centrumsplein.

The result surpassed all expectations. At the prestigious City.Light.People Award 2016, Emmen had won the public choice award as well receiving 3rd place by the jury. The out standing factor was that each area of the town was able to maintain its own individuality but still links to each other with a common theme: a fusion of urban and rural character. For example, the lighting on the Marktplein is positioned such way that the leaves on the trees create different shaped shadows every day.

Our challenge was to use individually operated luminaires to display an array of scenarios on the water surface and to ensure that they fitted perfectly into this newly created environment. Our instalight 1060 was the perfect fit. Now, it generates original light-and water scenarios and optical illusions, such as water lilies or shoals of fish. This innovative lighting design uses natural elements to re-inforce the urban code and identity of the town. And, most importantly, it has sustainably improved the quality of life for residents.

LUMINARES

> instalight 1060

Maximum protection at sub-zero temperatures

Park Pärnu Vallikäär and the Tallinn Gate

Pärnu, Estonia

Estonia, a paradise for lovers of culture and nature. Pärnu is a seaside resort on the west coast of Estonia. Here, a particularly idyllic park attracts visitors to the moat (Pärnu Vallikäär) and the footpath which runs along the waterfront. Since the park being redesigned, modern accents have been added to the historical backdrop to create a unified and unique atmosphere. Also where light is concerned.

The atmospheric lighting on the pedestrian bridge and the 17th century Tallinn Gate ensure for those romantic moments in the evenings. Visitors who take a stroll across the bridge are expertly guided by our LEDLUX LH which is integrated into a slightly curved handrail. The blue version of the same lights is to be found on the underside of the bridge, artfully accentuating its structure and design. In the background, you will see the historically significant town gates with their exceptional stucco work, illuminated by instalight 4010.

The concept deftly combines three separate light lines with three different looks to create a perfectly coherent lighting effect throughout Pärnu.

REFERENCE

Realisation: 2009/2010

Building owner: Pärnu town, Estland

Architect: Lootusproject OÜ, Kersti Lootus

InstaLighting sales partner: AS Silmani Elekter, Siim Porila

Light planner: Siim Porila

Photo: Ants Liigus and Siim Porila

LUMINAIRES

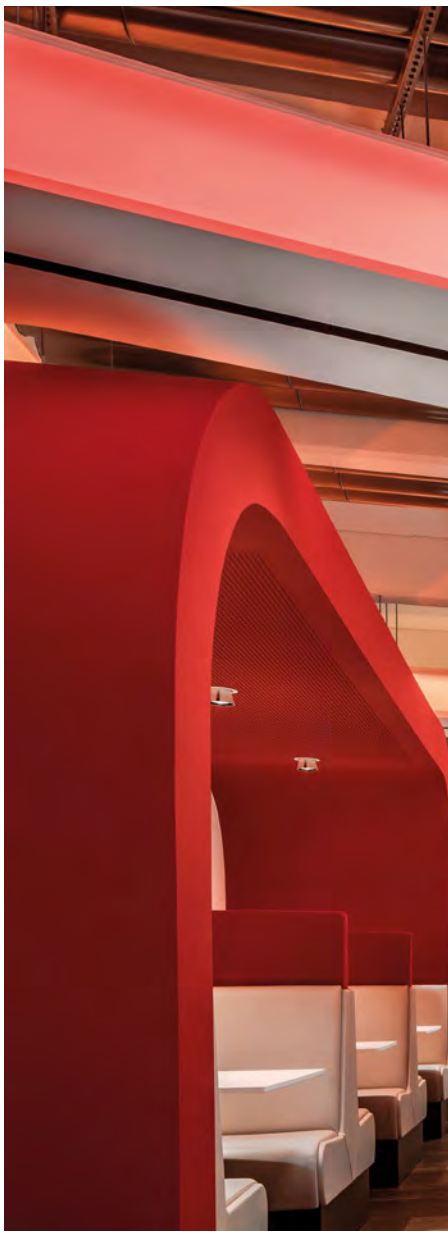
> LEDLUX LH linear

> instalight 4010

A pioneer within the mining community

G DATA Software AG

Bochum, Germany



From Germany and for over 30 years, G DATA Software AG has provided security support to the digital world. As of 1987, the IT pioneer from Bochum had already developed an anti-virus program. The spectacular head office situated on an old industrial estate is in every detail, fully focused on its core competency: an intelligent networking structure. The ingenious lighting system in the reception area, cafeteria and event hall which was co-designed with InstaLighting, bears to this testimony.

The interior lighting within the three areas are there to reflect G DATA's leading role – and of course harmonise with the multi-functional interior. This task was solved by InstaLighting and the designated planning office by an open-designed and widely ramified grid of direct and indirect lighting where individual cells were interlinked with one another. The distinctive lighting in the foyer – a graceful and futuristic accentuated light comb form on the ceiling (LEDLUX RGBW) and radiant light beams on the floor (1060) function as a visual statement and also gives visitors at the same time a clear ground-breaking key feature.
The cafeteria which speaks the same language, comes across as being cosy and at the same time, hovers like a spaceship. In the event hall, cubic exterior lighting can be separately dimmed and the colour temperature adjusted to provide for the necessary accent. The whole system works on the principle of Human Centric Lighting (HCL) and supports the natural human circadian rhythms. The control system allows for four scenarios: daylight, two dynamic party scenes as well as working light for cleaning and general service tasks.

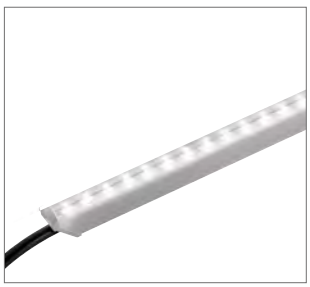
REFERENCE

Realisation: 2015

Building owner: G DATA Software AG

Light planner: Tobias Link Lichtplanung

Photo: Boris Golz



LUMINAIRES INSIDE

> LEDLUX RGBW

20|21

> instalight 1060

> instalight 4033 NoLimit

LUMINAIRES OUTSIDE

> instalight 3050

CONTROL

> instalight Control

Where people are the focus

Sartorius AG

Göttingen, Germany

REFERENCE

Realisation: 2017

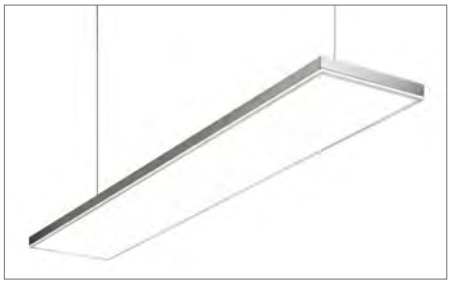
Building owner: Sartorius AG

Light planner: Studio DL

Photo: Kaffee, Milch & Zucker

Sustainability, open minded, enjoyment: these are the central values which characterise the Sartorius AG, a leading international supplier of bio-processing and laboratory technology with over 8100 employees in over 60 locations worldwide. The Sartorius campus – the attractive company's headquarters located in Göttingen, Germany – superbly reflects the company's philosophy. It offers a modern and creative environment with lots of space and esteem. The sophisticated lighting system also revolves entirely around the human element.

The Insta team's task: where functional efficiency and aesthetic are brought together in cooperation with the aspects of Human Centric Light (HCL) where the person and his well-being particularly take centre stage. Specifically, for this project, our lighting experts installed a sleek customised instalight Flat, an extremely flat pendant luminaire, a highly efficient LED technology and a fully flushed radiating optic. This special pendant luminaire discreetly blends into the prestigious foyer and carefully designed open-plan offices of the Sartorius Campus. With its homogeneous direct and indirect lighting, this fits perfectly well with the surrounding lighting – and one more thing – its lighting colours adapt automatically according to the time of day or the human working cycle, thus supporting the natural biorhythm.



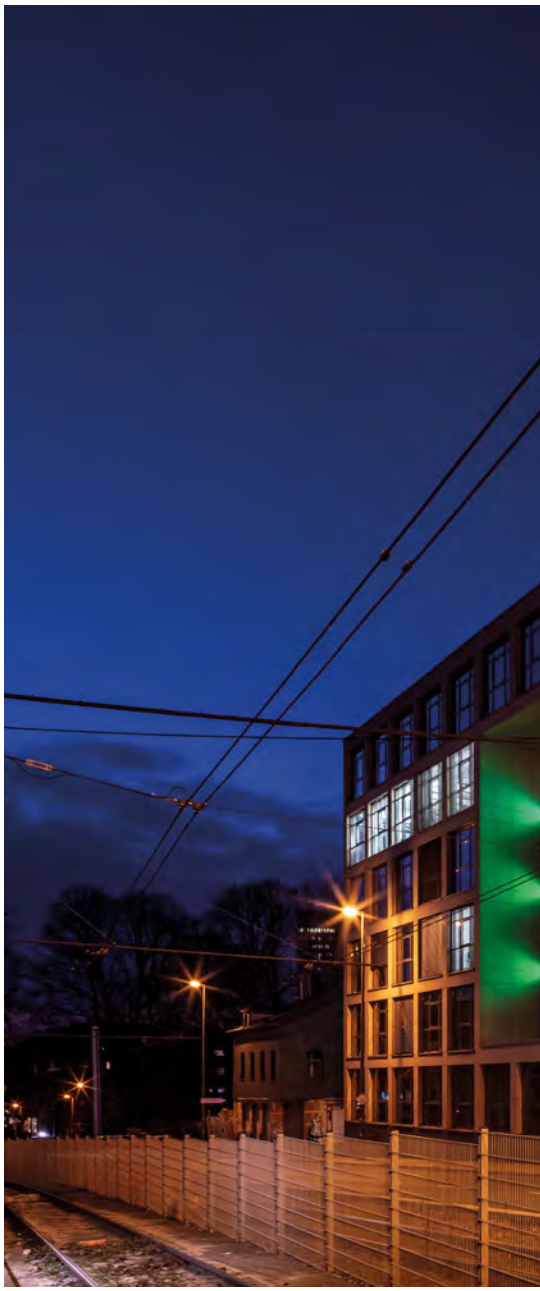
LUMINAIRS

> instalight Flat

In constant use

Dietrich-Oppenberg-Haus

Essen, Deutschland



Certainly, a real eye-catcher in Essen: The “Dietrich-Oppenberg-Haus”. Correct. Independant. In touch with people: A motto which has accompanied the „Neue Ruhr Zeitung/ Neue Rhein Zeitung“ (NRZ) for a long time. Founded by Dietrich Oppenberg and first published in 1946, the NRZ – one of the largest regional newspapers in Germany – has not only printed stories but has written history and made history. With the stylish Dietrich-Oppenberg-Haus in Essen, the local publishing group has certainly set an iconic memorial to their founder – including a façade illumination which certainly sets a benchmark.

For the exterior lighting of this remarkable building, Insta had in 2005 provided for LED rows in different lengths and colours as well as the appropriate lighting management system. The project took up operation as of 2006 and 10 years later on, there followed an update. Old plans, data files – everything had been archived, so that it was no problem to further maintain the older installations and to upgrade the then technology with new power supplies, control units and LEDs.

For this project, the entire 26 vertical metres of RGB were converted to RGBW along with new lighting scenes. For the remaining part of the facade’s illumination, single malfunctions were rectified with new light lines and new lengths were tailored to the former ones. The various colour channels of the new LEDs were installed on-site so as to visually match with the older LEDs and ensure for a fully integrated and harmonious illumination. This exceptional illumination certainly enhances the character of the “Dietrich-Oppenberg-Haus” at night.

REFERENCE

Realisation: 2006 / 2017

Building owner: Neue Ruhr Zeitung/ Neue Rhein Zeitung (NRZ)

Light planner:
TL-Vertrieb GmbH & Co. KG

Photo: Boris Golz

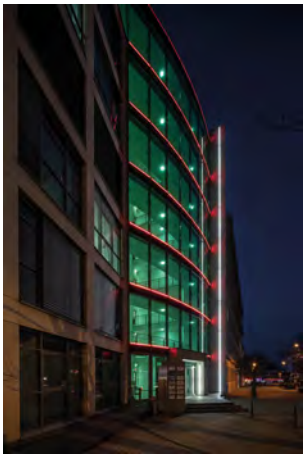
LUMINAIRES OUTSIDE

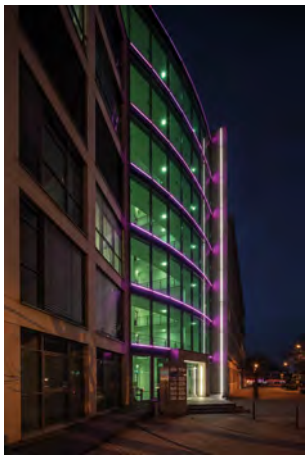
> LEDLUX LX RGBW

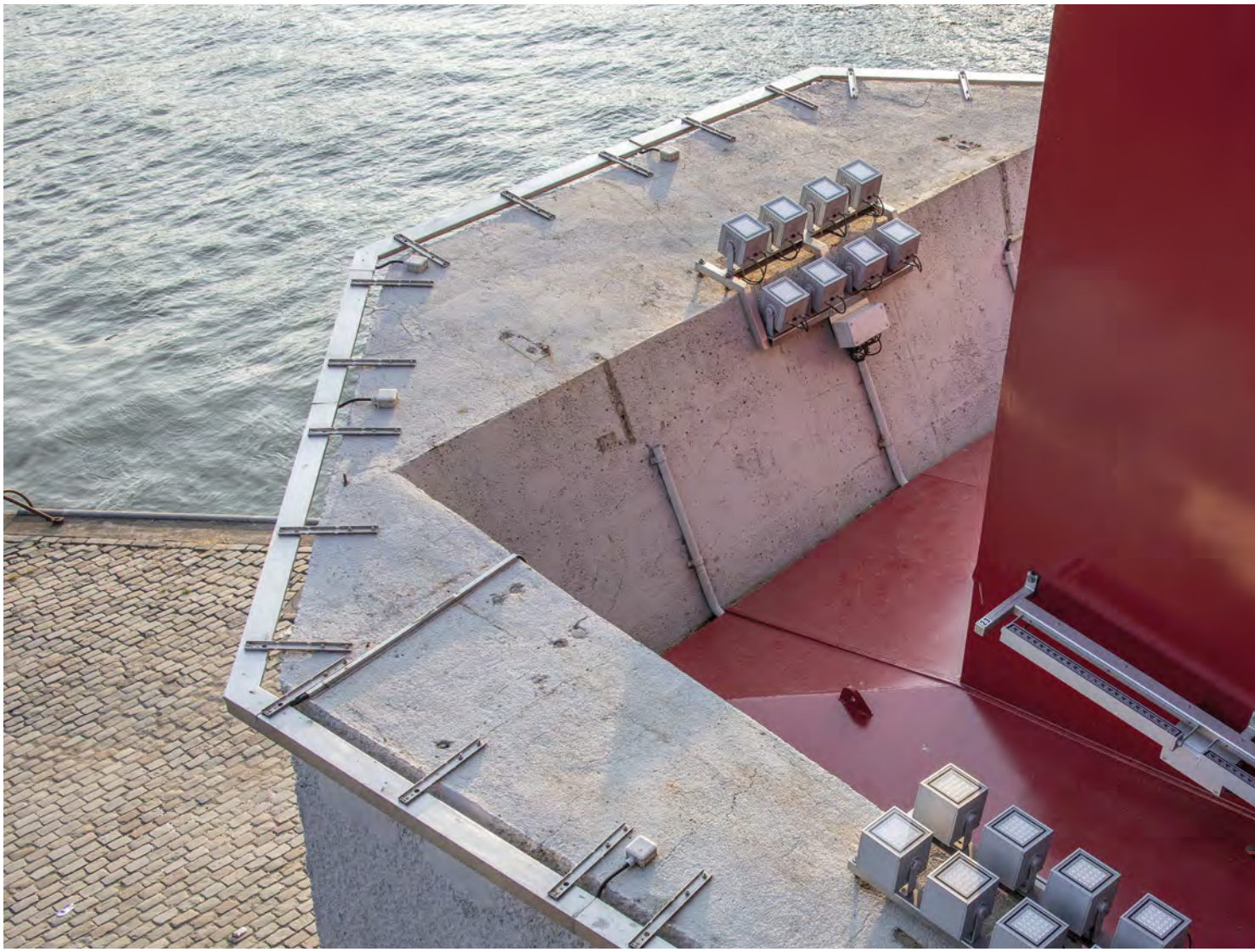
> instalight 4010

CONTROL

> LEDTRIX







Willemsbrug Rotterdam

Rotterdam, Netherlands

REFERENCE

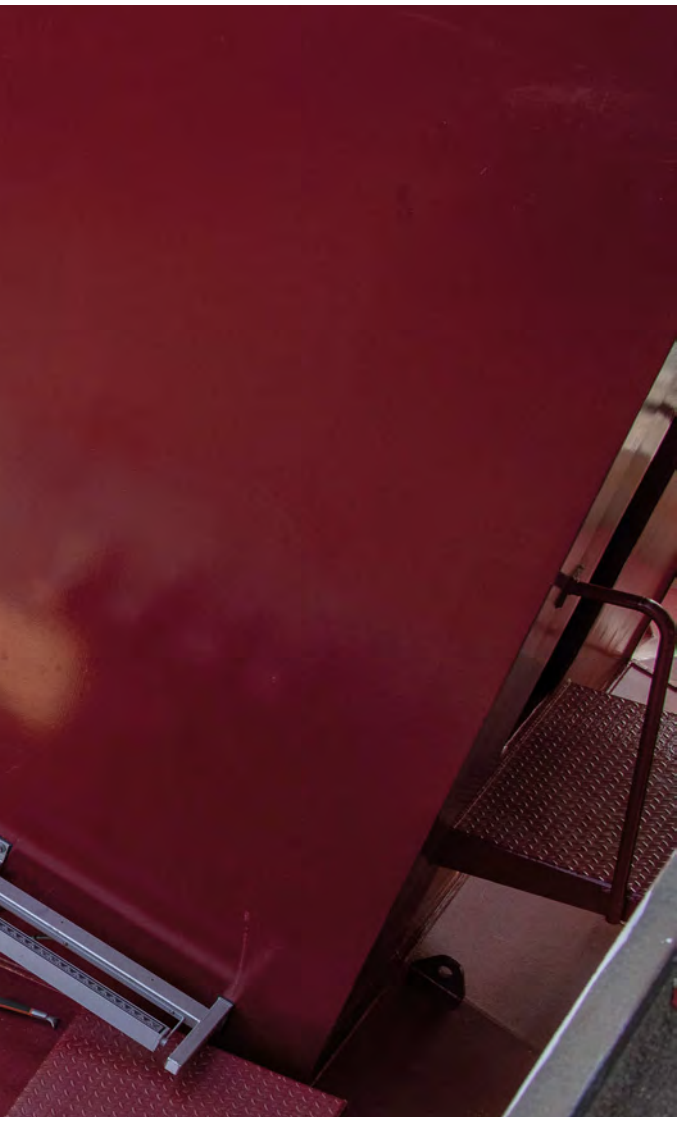
Realisation: 2016, 2018

Building owner: Municipality of Rotterdam

Installation: Ziut BV, Arnhem NL

Light planning: Studio DL

Photo: Boris Golz



Facade lighting

instalight 3050
instalight 3065

Accentuating light as twin-pack.

Colour-dynamic illumination from a large distance or well-aimed accentuation on smallest space - the two cubic spots instalight 3050 and instalight 3065 master many kinds of accentuating light. With a high light output and a great number of control possibilities and light colours, instalight 3050 is the flagship of this spot family. In the same design, the compact instalight 3065 convinces with precisely directed light on smallest installation space.
Both spots are available with different optics, and thus can be adapted to the relevant lighting task optimally.

> instalight 3050

> instalight 3065

instalight 3050 single-colour

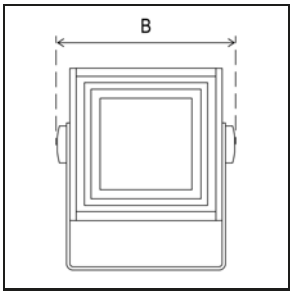
Cubic spot

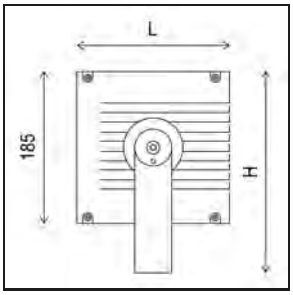
The high output spotlight is always the right choice when monochrome light with maximum light intensity is required. Through perfectly matched optics, it is ideally suited as a spotlight for accent light from a large distance or as a floodlight for the illumination of large building elements and sculptures.

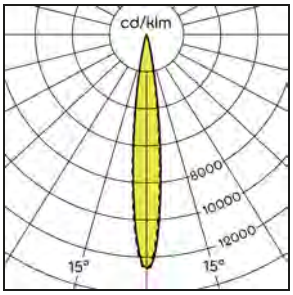
Main Features

> Minimum installation and planning effort due to direct access to main voltage
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Ready to connect with system plug for quick and reliable installation
> Mounting bracket with graduation for fast and reproducible alignment

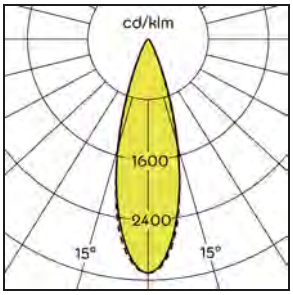
Product Variations



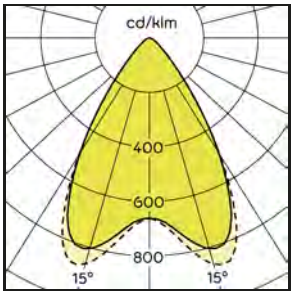




10°



30°



68°

		Optics dir.	Max. lumin. flux	Light colour
il 3050 R 30 00 830X 01		30°	4100 lm	3000 K
il 3050 R 30 00 840X 01		30°	4300 lm	4000 K
il 3050 R 10 00 830X 01		10°	4400 lm	3000 K
il 3050 R 10 00 840X 01		10°	4650 lm	4000 K
il 3050 R 68 00 830X 01		68°	3850 lm	3000 K
il 3050 R 68 00 840X 01		68°	4050 lm	4000 K

Specifications

Beam Geometry	rotationally symmetrical
Light distribution	symmetrical
Power consumption	42 W
Power factor	0.96
Degree of protection	IP67
Efficiency class	A+
Protection class	I
Optics	Clear
Ambient temperature	-20 ... +35 °C
Length (L)	185 mm
Width (B)	225 mm
Height (H)	245 mm

Cable length	Approx. 300 mm
Dimmable/Controllable	No
Housing colour	Silver grey
Rated voltage AC	220 ... 240 V ~
Mains frequency	50 / 60 Hz
Storage/transport temperature	-25 ... +85 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	Plug Wieland RST 20
Material	Aluminium
Cover material	Tempered glass
Weight	approx. 6 kg
Impact strength	IK10 / IK05

Accessories

Y connector RST 230 V IP67, 6-10 mm

IL LTG 3P YV

Extension cable RST 230 V 1.0 m

IL LTG 3P VL1

Extension cable RST 230 V 2.0 m

IL LTG 3P VL2

Extension cable RST 230 V 5.0 m

IL LTG 3P VL5

Socket RST 230 V IP67, 6-10 mm

IL LTG 3P AN BU

instalight 3050 TW

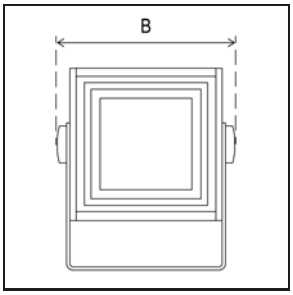
Cubic spot

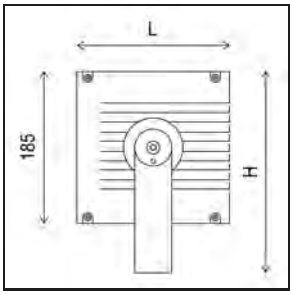
The high output spotlight with variable colour temperature and full DMX compatibility is always the right choice when maximum light intensity is required. Through perfectly matched optics, it is ideally suited as a spotlight for accent light from a large distance or as a floodlight for the illumination of large building elements and sculptures.

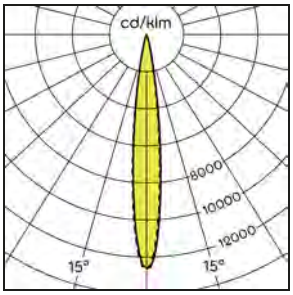
Main Features

> Tunable white for biodynamic lighting and colour dynamic white light in high quality
> A unique control algorithm guarantees constant brightness over the entire adjustment range
> External colour mixing
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Mounting bracket with graduation for fast and reproducible alignment

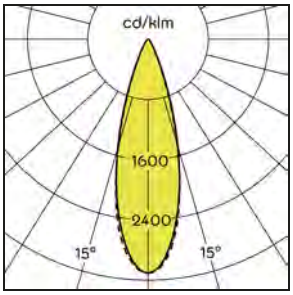
Product Variations



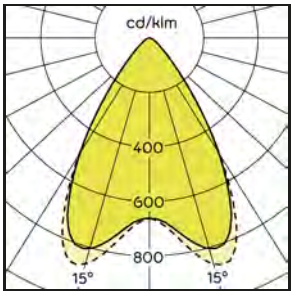




10°



30°



68°

		Optics dir.	Max. lumin. flux
il 3050 R 30 DX 2765 01		30°	3100 lm
il 3050 R 10 DX 2765 00		10°	3350 lm
il 3050 R 68 DX 2765 01		68°	2900 lm

Specifications

Beam Geometry	rotationally symmetrical	**Interface**	DMX/RDM
Light distribution	symmetrical	**Housing colour**	Silver grey
Power consumption	54 W	**Rated voltage AC**	220 ... 240 V ~
Power factor	0.92	**Mains frequency**	50 / 60 Hz
Degree of protection	IP67	**Efficiency class**	A (2700 K) / A+ (6500 K)
Protection class	I	**Storage/transport temperature**	-25 ... +85 °C
Optics	Clear	**Service life (L80/B10)**	(@ 25 °C) 60,000 h
Light colour	2700 ... 6500 K	**Connection mode**	Plug Wieland RST 20
Ambient temperature	-20 ... +35 °C	**Cable length**	Mains: 0.3 m / Data: 0.5 m
Length (L)	185 mm	**Material**	Aluminium
Width (B)	225 mm	**Cover material**	Tempered glass
Height (H)	245 mm	**Weight**	approx. 6 kg
Dimmable/Controllable	Yes	**Impact strength**	IK10 / IK05

Accessories

Y connector RST 230 V IP67, 6-10 mm
IL LTG 3P YV

Extension cable RST 230 V 1.0 m
IL LTG 3P VL1

Extension cable RST 230 V 2.0 m
IL LTG 3P VL2

Extension cable RST 230 V 5.0 m
IL LTG 3P VL5

Socket RST 230 V IP67, 6-10 mm
IL LTG 3P AN BU

Connection cable DMX M12 IP67 socket, 1 m
IL LTG DX AL1

Connection cable DMX M12 IP67 socket, 5 m
IL LTG DX AL5

T connector DMX M12 IP67 IN/OUT/luminaire
IL LTG DX YV

Extension cable DMX M12 IP67 1.0 m
IL LTG DX VL1

Extension cable DMX M12 IP67 2.0 m
IL LTG DX VL2

Extension cable DMX M12 IP67 5.0 m
IL LTG DX VL5

Load resistance DMX M12 IP67 connector
IL LTG DX AB R

instalight 3050 RGBW

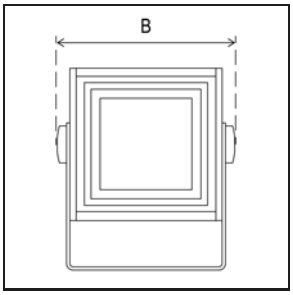
Cubic spot

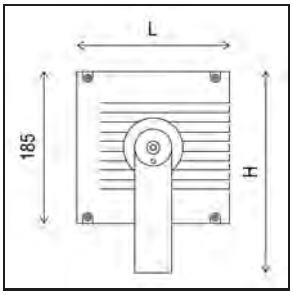
The RGBW high output spotlight with full DMX compatibility is always the right choice when maximum light intensity is required. Through perfectly matched optics, it is ideally suited as a spotlight for accent light from a large distance or as a floodlight for the illumination of large building elements and sculptures.

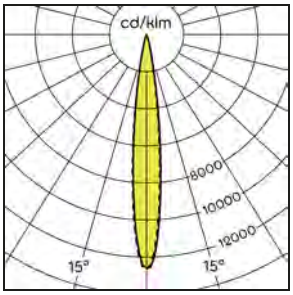
Main Features

> Brilliant white light, rich colours and pastel shades from one luminaire by combining RGB and white LED
> External colour mixing
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Mounting bracket with graduation for fast and reproducible alignment

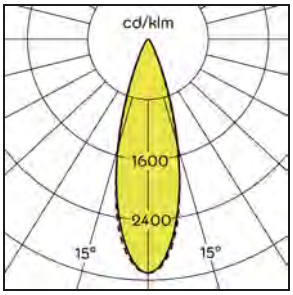
Product Variations



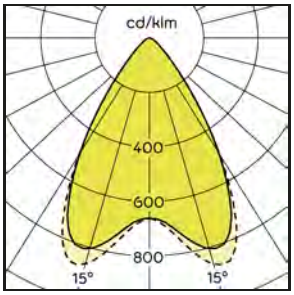




10°



30°



68°

		Optics dir.	Max. lumin. flux
il 3050 R 30 DX RGBW 01		30°	1700 lm
il 3050 R 10 DX RGBW 01		10°	1850 lm
il 3050 R 68 DX RGBW 01		68°	1600 lm

Specifications

Beam Geometry	rotationally symmetrical
Light distribution	symmetrical
Power consumption	54 W
Power factor	0.92
Degree of protection	IP 67
Efficiency class	A
Protection class	I
Optics	Clear
Light colour	RGBW
Ambient temperature	-20 ... +35 °C
Length (L)	185 mm
Width (B)	225 mm
Height (H)	245 mm

Dimmable/Controllable	Yes
Interface	DMX/RDM
Housing colour	Silver grey
Rated voltage AC	220 ... 240 V ~
Mains frequency	50 / 60 Hz
Input	54 W
Storage/transport temperature	-25 ... +85 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	Plug Wieland RST 20
Cable length	Mains: 0.3 m / Data: 0.5 m
Material	Aluminium
Cover material	Tempered glass
Weight	approx. 6 kg
Impact strength	IK10 / IK05

Accessories

Y connector RST 230 V IP67, 6-10 mm
IL LTG 3P YV

Extension cable RST 230 V 1.0 m
IL LTG 3P VL1

Extension cable RST 230 V 2.0 m
IL LTG 3P VL2

Extension cable RST 230 V 5.0 m
IL LTG 3P VL5

Socket RST 230 V IP67, 6-10 mm
IL LTG 3P AN BU

Connection cable DMX M12 IP67 socket, 1 m
IL LTG DX AL1

Connection cable DMX M12 IP67 socket, 5 m
IL LTG DX AL5

T connector DMX M12 IP67 IN/OUT/luminaire
IL LTG DX YV

Extension cable DMX M12 IP67 1.0 m
IL LTG DX VL1

Load resistance DMX M12 IP67 connector
IL LTG DX AB R

Extension cable DMX M12 IP67 5.0 m
IL LTG DX VL5

Extension cable DMX M12 IP67 2.0 m
IL LTG DX VL2

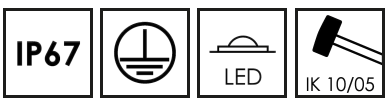
instalight 3065 R 00

Cubic compact spot

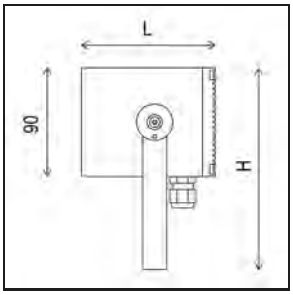
The miniature spot, with its high light output, can primarily show its benefits in targeted accenting. Precisely directed white light, an integrated power supply module and the ultra-compact design turn this luminaire into the ideal lighting tool for delicate presentations on buildings, as well as in parks and gardens.

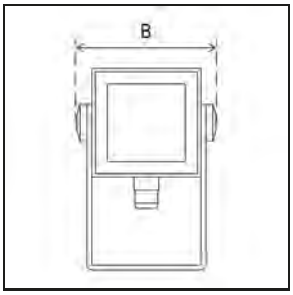
Main Features

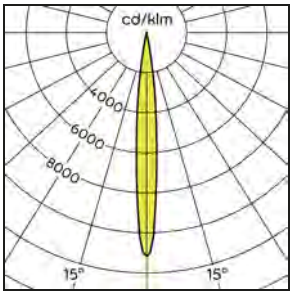
> Minimum installation and planning effort due to direct access to main voltage
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly



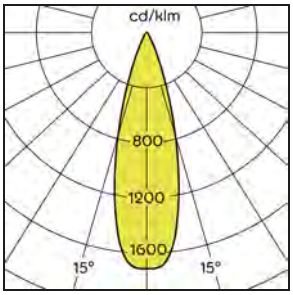
Product Variations



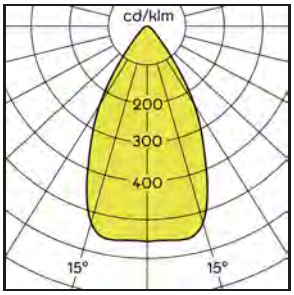




10°



30°



54°

		Optics dir.	Max. lumin. flux	Light colour
il 3065R A 30 830 A1 0230 00		30°	860 lm	3000 K
il 3065R A 30 840 A1 0230 00		30°	910 lm	4000 K
il 3065R A 10 830 A1 0230 00		10°	940 lm	3000 K
il 3065R A 10 840 A1 0230 00		10°	980 lm	4000 K
il 3065R A 54 830 A1 0230 00		54°	820 lm	3000 K
il 3065R A 54 840 A1 0230 00		54°	860 lm	4000 K

Specifications

Beam Geometry	rotationally symmetrical
Light distribution	symmetrical
Power consumption	9.5 W
Degree of protection	IP67
Efficiency class	A+
Protection class	I
Optics	Clear
Colour rendition Ra	85
Ambient temperature	-20 ... +35 °C
Length (L)	110 mm
Width (B)	105 mm
Height (H)	167 mm

Connection mode	Free cable ends
Cable length	2000 mm
Dimmable/Controllable	No
Interface	No
Housing colour	Silver grey
Weight	approx. 1.5 kg
Rated voltage AC	230 / 240 V ~
Mains frequency	50 / 60 Hz
Storage/transport temperature	-25 ... +85 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Tempered glass
Impact strength	IK10 / IK05

instalight 3065 DB

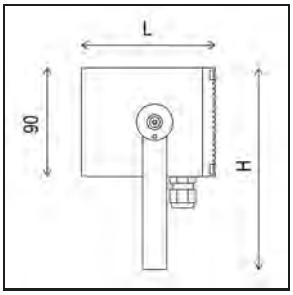
Cubic compact spot

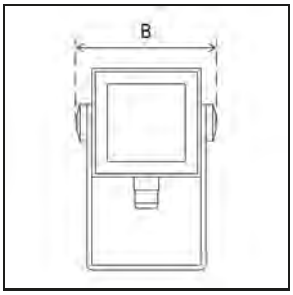
The miniature spot, with its high light output, can primarily show its benefits in targeted accenting. Precisely directed white light, an integrated power supply module and the ultra-compact design turn this luminaire into the ideal lighting tool for delicate presentations on buildings, as well as in parks and gardens.

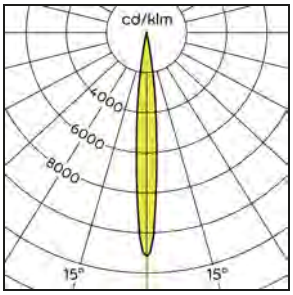
Main Features

> Minimum installation and planning effort due to direct access to main voltage
> Ideal for accent lighting by means of rotationally symmetrical or oval appearance
> Positive locking cover disk prevents dirt adhesion
> The variant with the light colour 4000 K is listed for use at the Deutsche Bahn AG
> Mounting bracket can be removed for easy and comfortable assembly

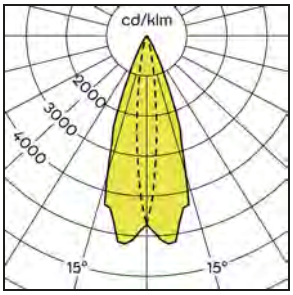
Product Variations



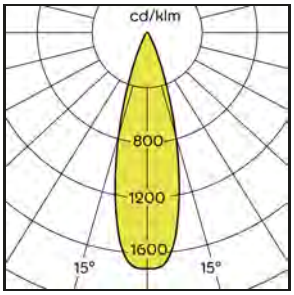




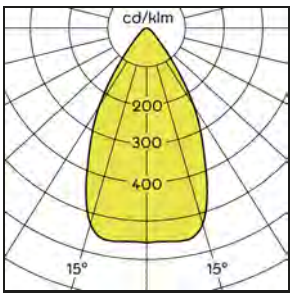
10°



12° X 41°



30°



54°

			DB-listed	Optics dir.	Max. lumin. flux	Light colour
il 3065 1E4 WWH A1 2230			No	12° x 41°	930 lm	3000 K
il 3065 1E4 NWH A1 2230			Yes	12° x 41°	960 lm	4000 K
il 3065 A15 WWH A1 2230			No	30°	860 lm	3000 K
il 3065 A15 NWH A1 2230			Yes	30°	910 lm	4000 K
il 3065 A05 WWH A1 2230			No	10°	940 lm	3000 K
il 3065 A05 NWH A1 2230			Yes	10°	980 lm	4000 K
il 3065 A27 WWH A1 2230			No	54°	820 lm	3000 K
il 3065 A27 NWH A1 2230			Yes	54°	860 lm	4000 K

Specifications

Light distribution	symmetrical
Power consumption	9.5 W
Power factor	0.6
Degree of protection	IP67
Efficiency class	A+
Protection class	II
Optics	Clear
Colour rendition Ra	85
Ambient temperature	-25 ... +35 °C
Length (L)	105 mm
Width (B)	110 mm
Height (H)	167 mm

Connection mode	Screw terminal
Cable length	1000 mm
Dimmable/Controllable	No
Housing colour	Silver grey
Weight	1.5 kg
Rated voltage AC	220 ... 240 V ~
Mains frequency	50 / 60 Hz
Storage/transport temperature	-25 ... +85 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Tempered glass
Impact strength	IK10 / IK05

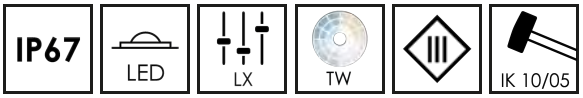
instalight 3065 R 00 LX TW

Cubic compact spot

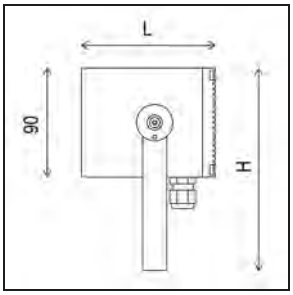
This mini spot with its high light output is the perfect luminaire for smart accentuation. The precisely directed white light with adjustable colour temperature is the ideal lighting tool to realise delicate dynamic light scenes on facades or in parks and gardens.

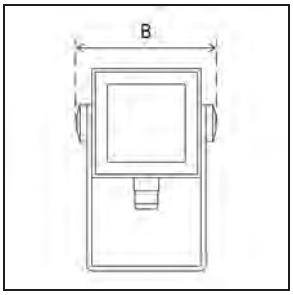
Main Features

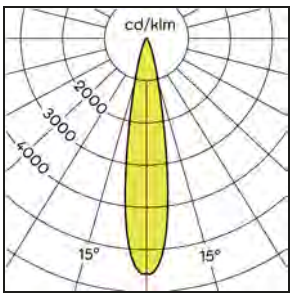
> Tunable White for the scenographic lighting
> A unique control algorithm guarantees constant brightness over the entire adjustment range
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Ready to connect with system plug for quick and reliable installation
> Mounting bracket with graduation for fast and reproducible alignment
> Smart, small and robust
> Two different optic variants (Narrow Spot or Bi-Symmetric)
> External power supplies and control components on request



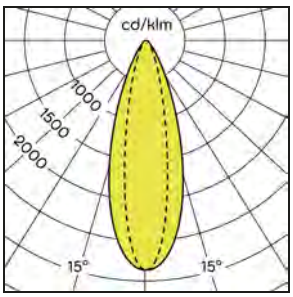
Product Variations







20°



36° X 21°

	Optics dir.	Max. lumin. flux
il 3065R A 20 2765 A1 xxxx	20°	760 lm
il 3065R A5C 2765 A1 xxxx	36° x 21°	880 lm

Specifications

Power consumption	9.2 W
Degree of protection	IP67
Efficiency class	A+
Protection class	III
Optics	Clear
Light colour	2700 ... 6500 K
Colour rendition Ra	85
Ambient temperature	-25 ... +35 °C
Length (L)	110 mm
Width (B)	105 mm
Height (H)	167 mm

Connection mode	Free cable ends
Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	Silver grey
Weight	1.5 kg
Rated voltage DC	24 V SELV
Storage/transport temperature	-25 ... +85 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Housing material	Aluminium
Cover material	Tempered glass
Impact strength	IK10 / IK05

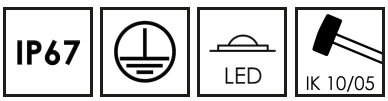
instalight 3065 R 01

Cubic compact spot with wall plate

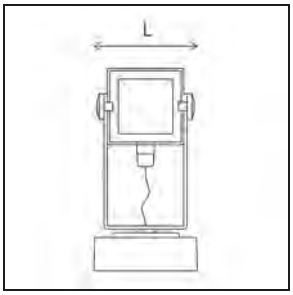
The miniature spot, with its high light output, can primarily show its benefits in targeted accenting. Precisely directed white light, an integrated power supply module and the ultra-compact design turn this luminaire into the ideal lighting tool for delicate presentations on buildings, as well as in parks and gardens.

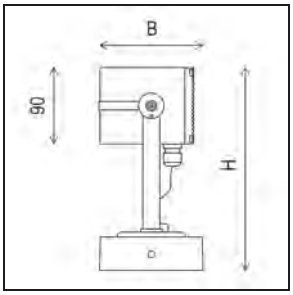
Main Features

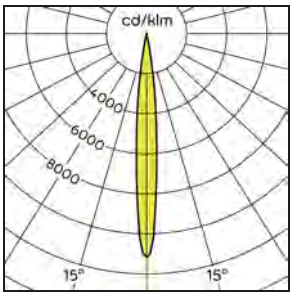
> Minimum installation and planning effort due to direct access to main voltage
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly



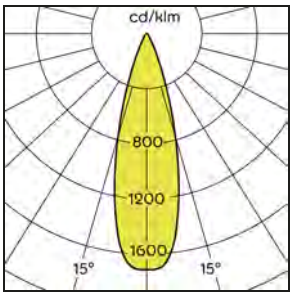
Product Variations



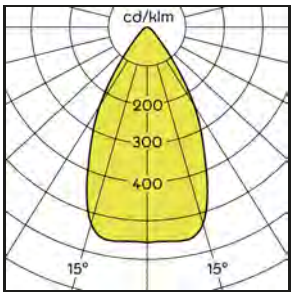




10°



30°



54°

	Optics dir.	Max. lumin. flux	Light colour
il 3065R A 10 830 A1 0230 01	10°	940 lm	3000 K
il 3065R A 10 840 A1 0230 01	10°	950 lm	4000 K
il 3065R A 30 830 A1 0230 01	30°	860 lm	3000 K
il 3065R A 30 840 A1 0230 01	30°	910 lm	4000 K
il 3065R A 54 840 A1 0230 01	54°	800 lm	4000 K
il 3065R A 54 830 A1 0230 01	54°	820 lm	3000 K

Specifications

Power consumption	9.5 W
Power factor	0.6
Degree of protection	IP67
Efficiency class	A+
Protection class	I
Optics	Clear
Colour rendition Ra	85
Ambient temperature	-20 ... +35 °C
Length (L)	122 mm
Width (B)	122 mm
Height (H)	237 mm

Connection mode	Plug terminal
Dimmable/Controllable	No
Interface	No
Housing colour	Silver grey
Weight	approx. 2.15 kg
Rated voltage AC	230 / 240 V ~
Mains frequency	50 / 60 Hz
Storage/transport temperature	-25 ... +85 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Tempered glass
Impact strength	IK10 / IK05

Stadtwerketurm Duisburg

Duisburg, Germany

REFERENCE

Realisation: 2019

Building owner: DVV / Stadtwerke Duisburg

Light planning: Planwerk Essen, Dipl.-Ing. Architekt BDA Peter Brdenk / TL-Vertrieb Arnsberg

Photo: Boris Golz

Facade lighting

instalight 1065

Façade illumination to perfection.

The new generation of the façade spot instalight 1065 convinces by a very high luminous efficiency, a great number of colour-dynamic control possibilities as well as optics especially adapted to facade illumination.
The sturdy aluminium housing can be placed discreetly in many places and reliably protects the integrated LED and ballast technology against all weather conditions.
Two luminaire lengths allow to react flexibly to different mounting situations and light current packages needed.

> instalight 1065 A

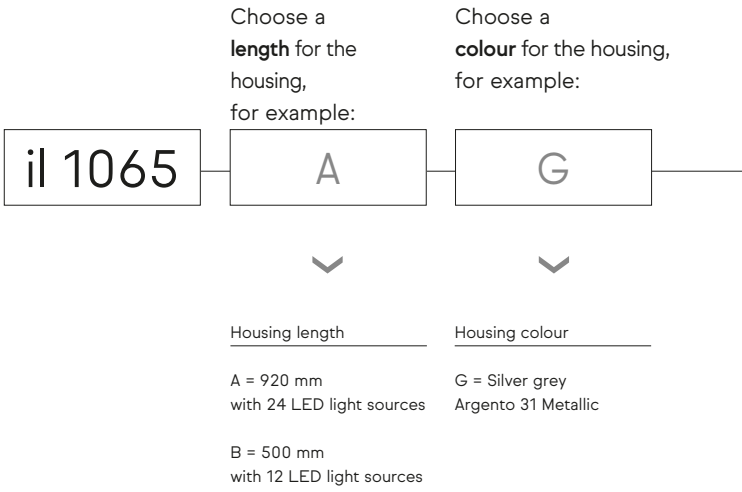
> instalight 1065 B

instalight 1065

Order code

(except 1065 DB)

What are the elements of the il 1065 order code? Opposite please find, in addition to the product page, a breakdown of the 7 modular components of the order code of the il 1065 facade spot by means of which you can order the il 1065 variant suitable for your project.



Choose the **optics**, for example:	Choose the **control**, for example	Choose the **light colour**, for example:	Choose the **cable type**, for example:	Choose the **cable length**, for example:
3D	DA	840x	L	1000

Optics	Control	Light colour	Cable type	Cable length
3D = 10° x 12° Asymmetric wallwasher optics	DA = DALI	830X 3000 K (WWH), Ra >80	L = Free cable end	1000 = 1000 mm
4D = 11° x 44° Asymmetric wallwasher optics	DX = DMX	840X 4000 K (NWH), Ra >80	S = Plug connector	5000 = 5000 mm
40 = 40° Rotationally symmetrical optics		2765 2700...6500 K, Tunable White (DX)		0300 = 300 mm
10 = 10° Rotationally symmetrical optics		RGB RGB controllable (DX)		
5C = 41° x 11° Asymmetric wallwasher optics		RGBW RGBW controllable (DX)		
29 = 28° Rotationally symmetrical optics				
66 = 66° Rotationally symmetrical optics				

> Example:

il 1065	A	G	3D	DA	840x	L	1000	01

instalight 1065 A

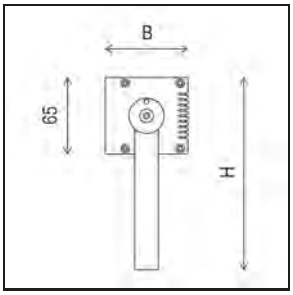
Linear facade spot

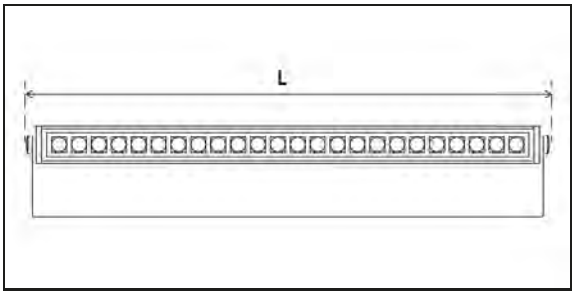
The linear spot supplies monochrome light with the highest light intensity in the smallest installation space. A range of perfectly matched optics and optional DALI activation make this luminaire a lighting all-rounder for high quality facade lighting.

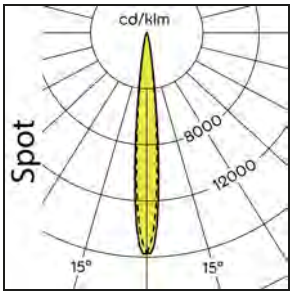
Main Features

> Ideal for accent lighting by means of rotationally symmetrical or oval optics
> Uncompromising use as wallwasher thanks to asymmetrical optics
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Ready to connect with system plug for quick and reliable installation
> Mounting bracket with graduation for fast and reproducible alignment

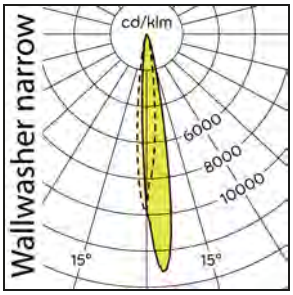
Product Variations



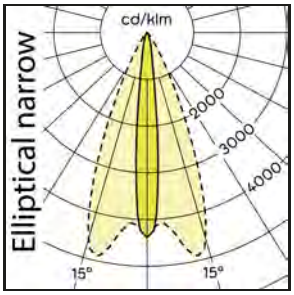




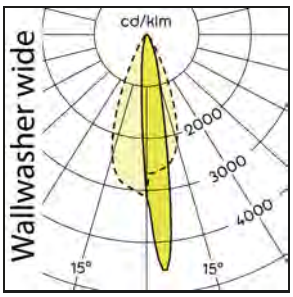
10°



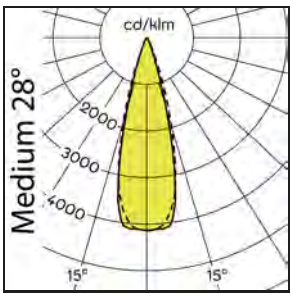
10° X 12°



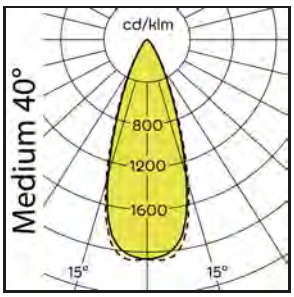
11° X 41°



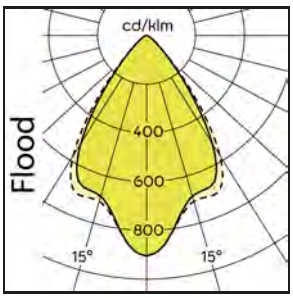
11° X 44°



28°



40°



66°

				Optics dir.	Max. lumin. flux	Light colour	Connection mode
il_1065_AG_40_DA_830X_S0300_02				40°	4520 lm	3000 K	Plug connector
il_1065_AG_40_DA_830X_L5000_02				40°	4520 lm	3000 K	Free cable end
il_1065_AG_40_DA_840X_S0300_02				40°	4700 lm	4000 K	Plug connector
il_1065_AG_40_DA_840X_L5000_02				40°	4700 lm	4000 K	Free cable end
il_1065_AG_29_DA_830X_S0300_02				28°	4800 lm	3000 K	Plug connector
il_1065_AG_29_DA_830X_L5000_02				28°	4800 lm	3000 K	Free cable end
il_1065_AG_29_DA_840X_S0300_02				28°	5000 lm	4000 K	Plug connector
il_1065_AG_29_DA_840X_L1000_02				28°	5000 lm	4000 K	Free cable end
il_1065_AG_10_DA_830X_L5000_02				10°	5020 lm	3000 K	Free cable end
il_1065_AG_10_DA_830X_S0300_02				10°	5020 lm	3000 K	Plug connector
il_1065_AG_10_DA_840X_L5000_02				10°	5250 lm	4000 K	Free cable end
il_1065_AG_10_DA_840X_S0300_02				10°	5250 lm	4000 K	Plug connector
il_1065_AG_66_DA_830X_S0300_02				66°	4720 lm	3000 K	Plug connector
il_1065_AG_66_DA_830X_L1000_02				66°	4720 lm	3000 K	Free cable end
il_1065_AG_66_DA_840X_L1000_02				66°	4920 lm	4000 K	Free cable end
il_1065_AG_66_DA_840X_S0300_02				66°	4920 lm	4000 K	Plug connector
il_1065_AG_4D_DA_830X_S0300_02				11° x 44°	4560 lm	3000 K	Plug connector
il_1065_AG_4D_DA_830X_L5000_02				11° x 44°	4560 lm	3000 K	Free cable end
il_1065_AG_4D_DA_840X_L5000_02				11° x 44°	4650 lm	4000 K	Free cable end
il_1065_AG_4D_DA_840X_S0300_02				11° x 44°	4650 lm	4000 K	Plug connector
il_1065_AG_3D_DA_830X_S0300_02				10° x 12°	4780 lm	3000 K	Plug connector
il_1065_AG_3D_DA_830X_L1000_02				10° x 12°	4780 lm	3000 K	Free cable end
il_1065_AG_3D_DA_840X_L1000_02				10° x 12°	4980 lm	4000 K	Free cable end
il_1065_AG_3D_DA_840X_S0300_02				10° x 12°	4980 lm	4000 K	Plug connector
il_1065_AG_5C_DA_830X_L1000_02				11° x 41°	4750 lm	3000 K	Free cable end
il_1065_AG_5C_DA_830X_S0300_02				11° x 41°	4750 lm	3000 K	Plug connector
il_1065_AG_5C_DA_840X_L5000_02				11° x 41°	4950 lm	4000 K	Free cable end
il_1065_AG_5C_DA_840X_S0300_02				11° x 41°	4950 lm	4000 K	Plug connector

Specifications

Rated voltage AC	220 V ... 240 V
Power consumption	53 W
Power factor	0.99
Degree of protection	IP67
Protection class	I
Optics	Clear
Ambient temperature	-20°C ... +35°C
Length (L)	920 mm
Width (B)	70 mm
Height (H)	164 mm
Dimmable/Controllable	Yes

Housing colour	Silver grey
Service life (L80/B10)	60,000 h (at 25°C)
Mains frequency	50 / 60 Hz
Power factor λ	0.99
Efficiency class	A
Storage/transport temperature	-20 ... +70 °C
Connection mode	Plug connector ('S') / Free cable ends ('L')
Cable length	1 m / 5 m ('L'); 0.3 m ('S')
Housing material	Aluminium
Cover material	Tempered glass
Weight	5.1 kg
Impact strength	IK10 / IK05

Accessories

Y connector RST 230V/DALI IP67, 10-14 mm
IL LTG 5P YV

Extension cable RST 230 V DALI 1.0 m
IL LTG 5P VL1

Extension cable RST 230 V DALI 2.0 m
IL LTG 5P VL2

Extension cable RST 230 V DALI 5.0 m
IL LTG 5P VL5

Socket RST 230 V/DALI IP67, 10-14 mm
IL LTG 5P AN BU

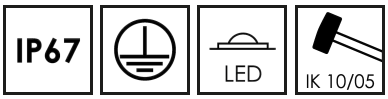
instalight 1065 B

Linear facade spot

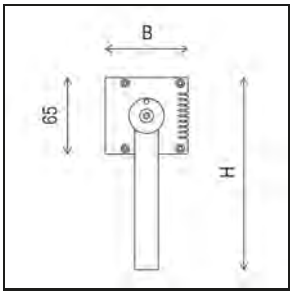
The linear spot supplies monochrome light with the highest light intensity in the smallest installation space. A range of perfectly matched optics and optional DALI activation make this luminaire a lighting all-rounder for high quality facade lighting.

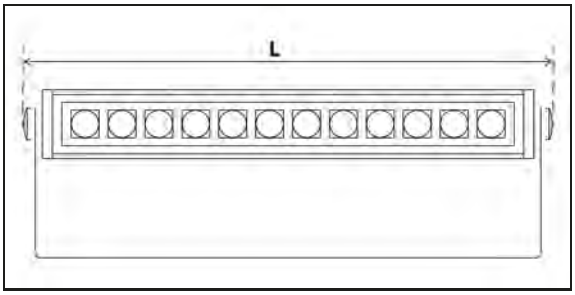
Main Features

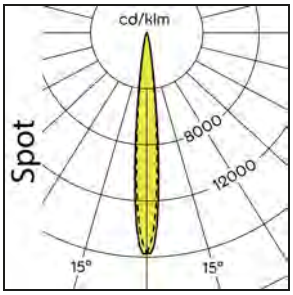
> Ideal for accent lighting by means of rotationally symmetrical or oval optics
> Uncompromising use as wallwasher thanks to asymmetrical optics
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Ready to connect with system plug for quick and reliable installation
> Mounting bracket with graduation for fast and reproducible alignment



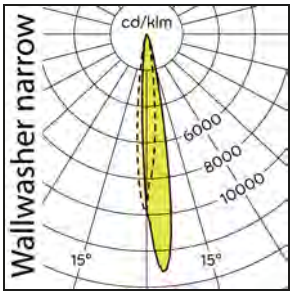
Product Variations



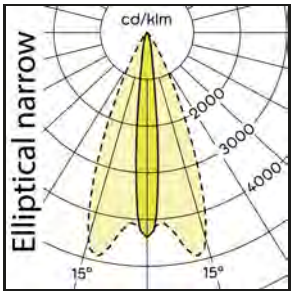




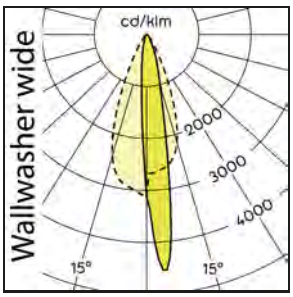
10°



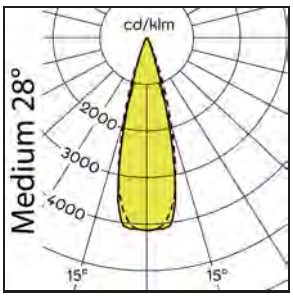
10° X 12°



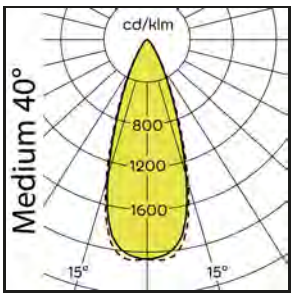
11° X 41°



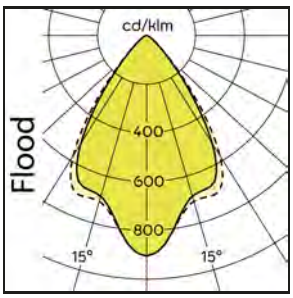
11° X 44°



28°



40°



66°

				Optics dir.	Max. lumin. flux	Light colour	Connection mode
il_1065_BG_40_DA_830X_L5000_02				40°	2260 lm	3000 K	Free cable end
il_1065_BG_40_DA_830X_S0300_02				40°	2260 lm	3000 K	Plug connector
il_1065_BG_40_DA_840X_L5000_02				40°	2350 lm	4000 K	Free cable end
il_1065_BG_40_DA_840X_S0300_02				40°	2350 lm	4000 K	Plug connector
il_1065_BG_29_DA_830X_L1000_02				28°	2400 lm	3000 K	Free cable end
il_1065_BG_29_DA_830X_S0300_02				28°	2400 lm	3000 K	Plug connector
il_1065_BG_29_DA_840X_L5000_02				28°	2500 lm	4000 K	Free cable end
il_1065_BG_29_DA_840X_S0300_02				28°	2500 lm	4000 K	Plug connector
il_1065_BG_10_DA_830X_L5000_02				10°	2510 lm	3000 K	Free cable end
il_1065_BG_10_DA_830X_S0300_02				10°	2510 lm	3000 K	Plug connector
il_1065_BG_10_DA_840X_S0300_02				10°	2625 lm	4000 K	Plug connector
il_1065_BG_10_DA_840X_L5000_02				10°	2625 lm	4000 K	Free cable end
il_1065_BG_66_DA_830X_L1000_02				66°	2360 lm	3000 K	Free cable end
il_1065_BG_66_DA_830X_S0300_02				66°	2360 lm	3000 K	Plug connector
il_1065_BG_66_DA_840X_L5000_02				66°	2460 lm	4000 K	Free cable end
il_1065_BG_66_DA_840X_S0300_02				66°	2460 lm	4000 K	Plug connector
il_1065_BG_4D_DA_830X_L1000_02				11° x 44°	2280 lm	3000 K	Free cable end
il_1065_BG_4D_DA_830X_S0300_02				11° x 44°	2280 lm	3000 K	Plug connector
il_1065_BG_4D_DA_840X_L5000_02				11° x 44°	2325 lm	4000 K	Free cable end
il_1065_BG_4D_DA_840X_S0300_02				11° x 44°	2325 lm	4000 K	Plug connector
il_1065_BG_3D_DA_830X_L1000_02				10° x 12°	2390 lm	3000 K	Free cable end
il_1065_BG_3D_DA_830X_S0300_02				10° x 12°	2390 lm	3000 K	Plug connector
il_1065_BG_3D_DA_840X_L5000_02				10° x 12°	2490 lm	4000 K	Free cable end
il_1065_BG_3D_DA_840X_S0300_02				10° x 12°	2490 lm	4000 K	Plug connector
il_1065_BG_5C_DA_830X_L1000_02				11° x 41°	2375 lm	3000 K	Free cable end
il_1065_BG_5C_DA_830X_S0300_02				11° x 41°	2375 lm	3000 K	Plug connector
il_1065_BG_5C_DA_840X_L1000_02				11° x 41°	2475 lm	4000 K	Free cable end
il_1065_BG_5C_DA_840X_S0300_02				11° x 41°	2475 lm	4000 K	Plug connector

Specifications

Rated voltage AC	220 V ... 240 V
Power consumption	27.80 W
Power factor	0.94
Degree of protection	IP67
Protection class	I
Optics	Clear
Ambient temperature	-20°C ... +35°C
Length (L)	500 mm
Width (B)	70 mm
Height (H)	164 mm
Dimmable/Controllable	Yes
Housing colour	Silver grey

Nominal current	220 mA
Service life (L80/B10)	60,000 h (at 25°C)
Mains frequency	50 / 60 Hz
Power factor λ	0.95
Efficiency class	A
Storage/transport temperature	-20 ... +70 °C
Connection mode	Plug connector ('S') / Free cable ends ('L')
Cable length	1 m / 5 m ('L'); 0.3 m ('S')
Housing material	Aluminium
Cover material	Tempered glass
Weight	3.3 kg
Impact strength	IK10 / IK05

Accessories

Y connector RST 230V/DALI IP67, 10-14 mm
IL LTG 5P YV

Extension cable RST 230 V DALI 1.0 m
IL LTG 5P VL1

Extension cable RST 230 V DALI 2.0 m
IL LTG 5P VL2

Extension cable RST 230 V DALI 5.0 m
IL LTG 5P VL5

Socket RST 230 V/DALI IP67, 10-14 mm
IL LTG 5P AN BU

instalight 1065 DB

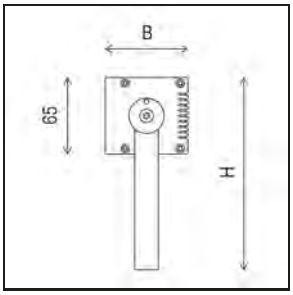
Linear facade spot

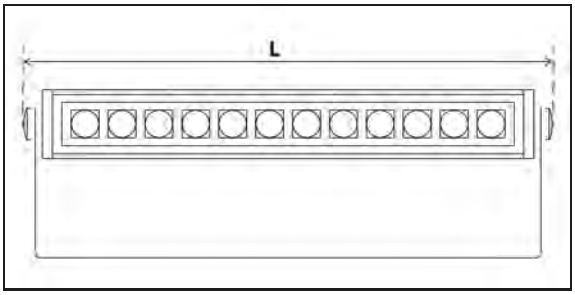
The linear spot supplies monochrome light with the highest light intensity in the smallest installation space. A range of perfectly matched optics make this luminaire a lighting all-rounder for high quality facade lighting.

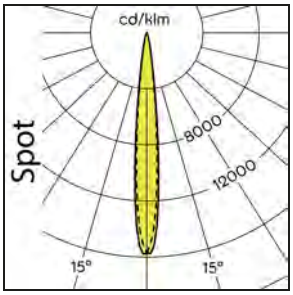
Main Features

> Ideal for accent lighting by means of rotationally symmetrical or oval optics
> Uncompromising use as wallwasher thanks to asymmetrical optics
> Positive locking cover disk prevents dirt adhesion
> Listed for use at the Deutsche Bahn AG
> Mounting bracket can be removed for easy and comfortable assembly
> Mounting bracket with graduation for fast and reproducible alignment
> Mounting bracket in lower version available on request

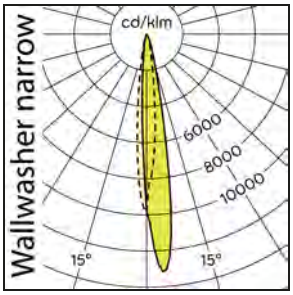
Product Variations



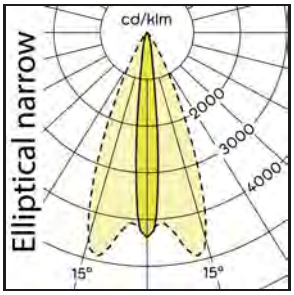




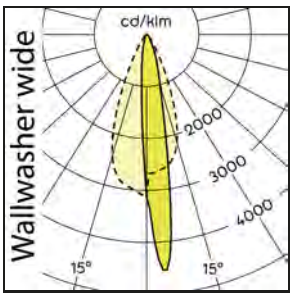
10°



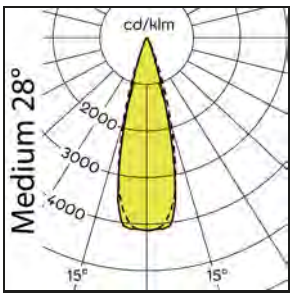
10° X 12°



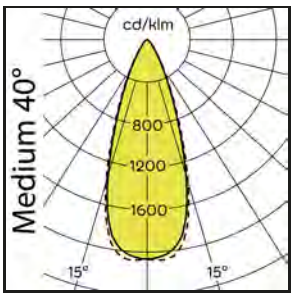
11° X 41°



11° X 44°



28°



40°

	DB-listed	Optics dir.	Max. lumin. flux	Light colour
il 1065 R B3D 2230 WWH	No	10° x 12°	1800 lm	3000 K
il 1065 R B05 2230 WWH	No	10°	1650 lm	3000 K
il 1065 R B4D 2230 WWH	No	11° x 41°	1600 lm	3000 K
il 1065 R B5C 2230 WWH	No	11° x 44°	1800 lm	3000 K
il 1065 R B15 2230 WWH	No	28°	1800 lm	3000 K
il 1065 R B20 2230 WWH	No	40°	1800 lm	3000 K
il 1065 R B3D 2230 NWH	Yes	10° x 12°	2000 lm	4000 K
il 1065 R B05 2230 NWH	Yes	10°	1800 lm	4000 K
il 1065 R B5C 2230 NWH	Yes	11° x 44°	2000 lm	4000 K
il 1065 R B4D 2230 NWH	Yes	11° x 41°	1800 lm	4000 K
il 1065 R B15 2230 NWH	Yes	28°	2000 lm	4000 K
il 1065 R B20 2230 NWH	Yes	40°	2000 lm	4000 K

Specifications

Power consumption	28 W
Power factor	0.95
Degree of protection	IP67
Efficiency class	A
Protection class	II
Optics	Clear
Ambient temperature	-20 ... +35 °C
Length (L)	500 mm
Width (B)	70 mm
Height (H)	164 mm
Cable length	1000 mm

Dimmable/Controllable	No
Housing colour	Silver grey
Weight	2.3 kg
Rated voltage AC	220 ... 240 V ~
Mains frequency	50 / 60 Hz
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	Screw terminal
Housing material	Aluminium
Cover material	Tempered glass
Impact strength	IK10 / IK05

Accessories

Extension cable RST 230 V 1.0 m

IL LTG 3P VL1

Extension cable RST 230 V 5.0 m

IL LTG 3P VL5

Socket RST 230 V IP67, 6-10 mm

IL LTG 3P AN BU

Extension cable RST 230 V 2.0 m

IL LTG 3P VL2

Y connector RST 230 V IP67, 6-10 mm

IL LTG 3P YV

instalight 1065 TW

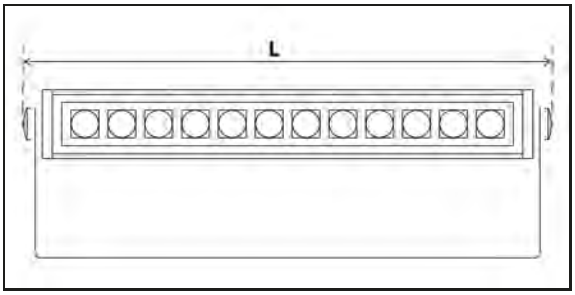
Linear facade spot

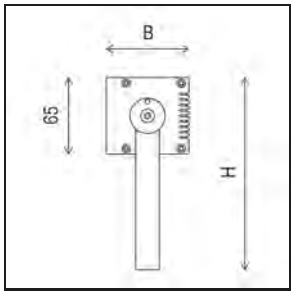
The linear spot with variable colour temperature supplies the highest light intensity in the smallest installation space. A range of perfectly matched optics and full DMX compatibility make this luminaire a lighting all-rounder for high quality facade lighting.

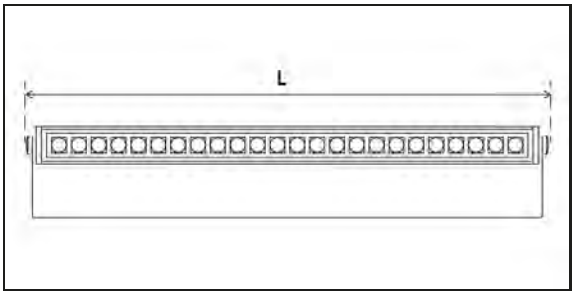
Main Features

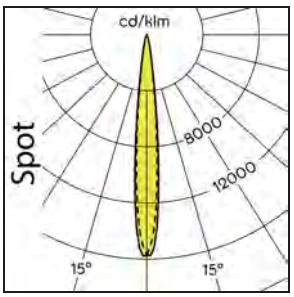
> Tunable white for biodynamic lighting and colour dynamic white light in high quality
> Ideal for accent lighting by means of rotationally symmetrical or oval optics
> Uncompromising use as wallwasher thanks to asymmetrical optics
> External colour mixing
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Ready to connect with system plug for quick and reliable installation
> Mounting bracket with graduation for fast and reproducible alignment

Product Variations

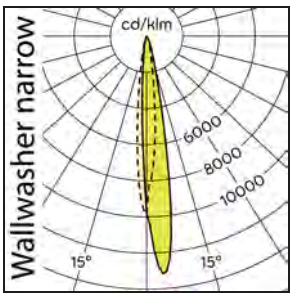




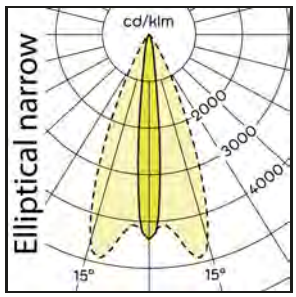




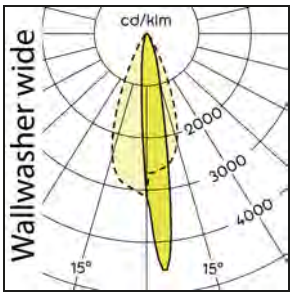
10°



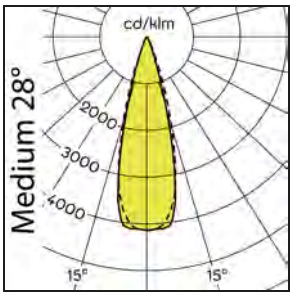
10° X 12°



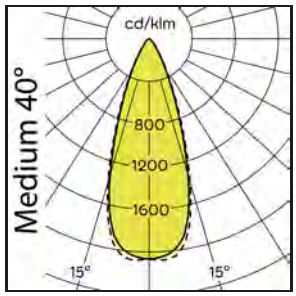
11° X 41°



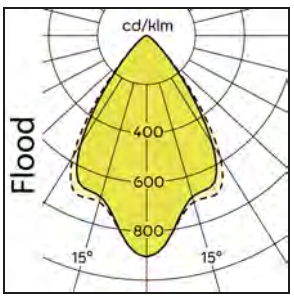
11° X 44°



28°



40°



66°

				P	Optics dir.	Max. lumin. flux	Length (L)	Connection mode
il_1065_BG_40_DX_2765_L5000_01				33.50 W	40°	1275 lm	500 mm	Free cable end
il_1065_BG_40_DX_2765_S0300_01				33.50 W	40°	1275 lm	500 mm	Plug connector
il_1065_AG_40_DX_2765_L1000_01				57.60 W	40°	2550 lm	920 mm	Free cable end
il_1065_AG_40_DX_2765_S0300_01				57.60 W	40°	2550 lm	920 mm	Plug connector
il_1065_BG_29_DX_2765_L5000_01				33.50 W	28°	1350 lm	500 mm	Free cable end
il_1065_BG_29_DX_2765_S0300_01				33.50 W	28°	1350 lm	500 mm	Plug connector
il_1065_AG_29_DX_2765_L1000_01				57.60 W	28°	2700 lm	920 mm	Free cable end
il_1065_AG_29_DX_2765_S0300_01				57.60 W	28°	2700 lm	920 mm	Plug connector
il_1065_BG_10_DX_2765_L5000_01				33.50 W	10°	1410 lm	500 mm	Free cable end
il_1065_BG_10_DX_2765_S0300_01				33.50 W	10°	1410 lm	500 mm	Plug connector
il_1065_AG_10_DX_2765_S0300_01				57.60 W	10°	2820 lm	920 mm	Plug connector
il_1065_AG_10_DX_2765_L1000_01				57.60 W	10°	2820 lm	920 mm	Free cable end
il_1065_BG_66_DX_2765_S0300_01				33.50 W	66°	1330 lm	500 mm	Plug connector
il_1065_BG_66_DX_2765_L5000_01				33.50 W	66°	1330 lm	500 mm	Free cable end
il_1065_AG_66_DX_2765_S0300_01				57.60 W	66°	2660 lm	920 mm	Plug connector
il_1065_AG_66_DX_2765_L5000_01				57.60 W	66°	2660 lm	920 mm	Free cable end
il_1065_BG_4D_DX_2765_L1000_01				33.50 W	11° x 44°	1260 lm	500 mm	Free cable end
il_1065_BG_4D_DX_2765_S0300_01				33.50 W	11° x 44°	1260 lm	500 mm	Plug connector
il_1065_AG_4D_DX_2765_S0300_01				57.60 W	11° x 44°	2520 lm	920 mm	Plug connector
il_1065_AG_4D_DX_2765_L5000_01				57.60 W	11° x 44°	2520 lm	920 mm	Free cable end
il_1065_BG_3D_DX_2765_S0300_01				33.50 W	10° x 12°	1350 lm	500 mm	Plug connector
il_1065_BG_3D_DX_2765_L5000_01				33.50 W	10° x 12°	1350 lm	500 mm	Free cable end
il_1065_AG_3D_DX_2765_S0300_01				57.60 W	10° x 12°	2700 lm	920 mm	Plug connector
il_1065_AG_3D_DX_2765_L1000_01				57.60 W	10° x 12°	2700 lm	920 mm	Free cable end
il_1065_BG_5C_DX_2765_S0300_01				33.50 W	11° x 41°	1340 lm	500 mm	Plug connector
il_1065_BG_5C_DX_2765_L1000_01				33.50 W	11° x 41°	1340 lm	500 mm	Free cable end
il_1065_AG_5C_DX_2765_L1000_01				57.60 W	11° x 41°	2680 lm	920 mm	Free cable end
il_1065_AG_5C_DX_2765_S0300_01				57.60 W	11° x 41°	2680 lm	920 mm	Plug connector

Specifications

Rated voltage AC	220 V ... 240 V
Degree of protection	IP67
Protection class	I
Optics	Clear
Light colour	2700 to 6500K (TW)
Ambient temperature	-20°C ... +35°C
Width (B)	70 mm
Height (H)	164 mm
Dimmable/Controllable	Yes
Housing colour	Silver grey
Nominal current	220 mA

Service life (L80/B10)	60,000 h (at 25°C)
Mains frequency	50 / 60 Hz
Power factor λ	0.90 / 0.95
Efficiency class	A
Storage/transport temperature	-20 ... +70 °C
Connection mode	Plug connector ('S') / Free cable ends ('L')
Cable length	1 m / 5 m ('L'); 0.3 m ('S')
Housing material	Aluminium
Cover material	Tempered glass
Weight	3.3 kg / 5.1 kg
Impact strength	IK10 / IK05

Accessories

Extension cable RST 230 V 1.0 m
IL LTG 3P VL1

Extension cable RST 230 V 2.0 m
IL LTG 3P VL2

Extension cable RST 230 V 5.0 m
IL LTG 3P VL5

Socket RST 230 V IP67, 6-10 mm
IL LTG 3P AN BU

Y connector RST 230 V IP67, 6-10 mm
IL LTG 3P YV

Connection cable DMX M12 IP67 socket, 1 m
IL LTG DX AL1

Connection cable DMX M12 IP67 socket, 5 m
IL LTG DX AL5

T connector DMX M12 IP67 IN/OUT/luminaire
IL LTG DX YV

Extension cable DMX M12 IP67 1.0 m
IL LTG DX VL1

Extension cable DMX M12 IP67 2.0 m
IL LTG DX VL2

Extension cable DMX M12 IP67 5.0 m
IL LTG DX VL5

Load resistance DMX M12 IP67 connector
IL LTG DX AB R

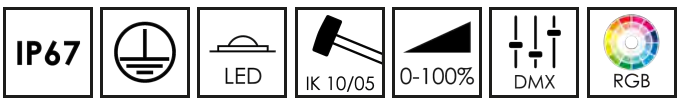
instalight 1065 RGB

Linear facade spot

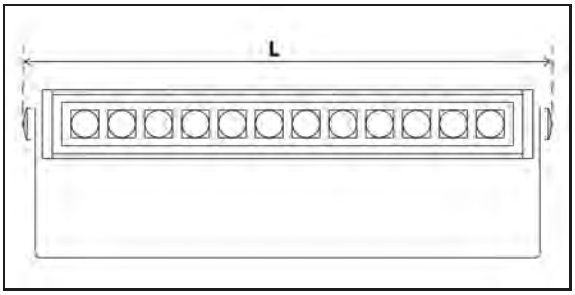
The linear RGB spot supplies the highest light intensity in the smallest installation space. A range of perfectly matched optics and full DMX compatibility make this luminaire a lighting all-rounder for high quality facade lighting.

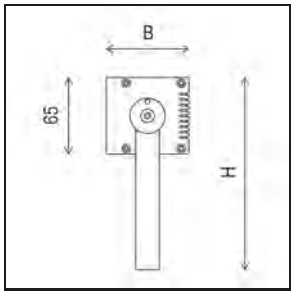
Main Features

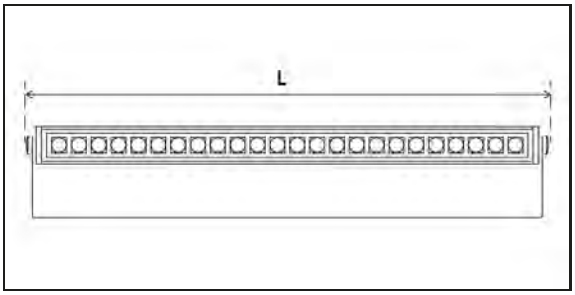
> Ideal for accent lighting by means of rotationally symmetrical or oval optics
> Uncompromising use as wallwasher thanks to asymmetrical optics
> External colour mixing
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Ready to connect with system plug for quick and reliable installation
> Mounting bracket with graduation for fast and reproducible alignment

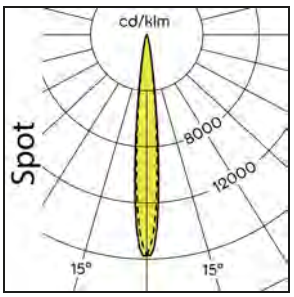


Product Variations

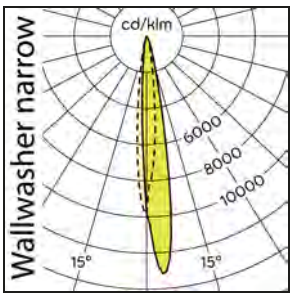




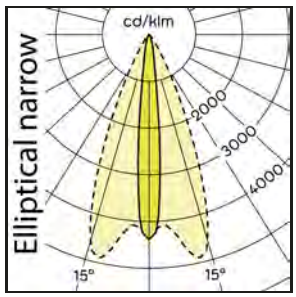




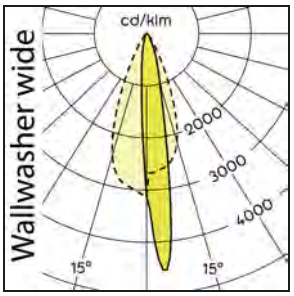
10°



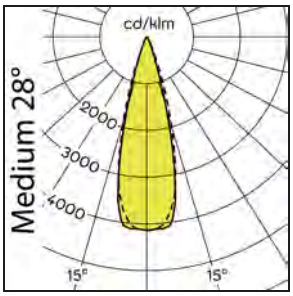
10° X 12°



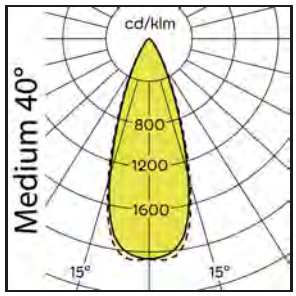
11° X 41°



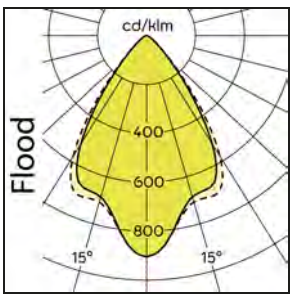
11° X 44°



28°



40°



66°

				P	Optics dir.	Max. lumin. flux	Length (L)	Connection mode
il_1065_BG_40_DX_RGB_L5000_01				29.50 W	40°	435 lm	500 mm	Free cable end
il_1065_BG_40_DX_RGB_S0300_01				29.50 W	40°	435 lm	500 mm	Plug connector
il_1065_AG_40_DX_RGB_S0300_01				52.60 W	40°	870 lm	920 mm	Plug connector
il_1065_AG_40_DX_RGB_L5000_01				52.60 W	40°	870 lm	920 mm	Free cable end
il_1065_BG_29_DX_RGB_L5000_01				29.50 W	28°	470 lm	500 mm	Free cable end
il_1065_BG_29_DX_RGB_S0300_01				29.50 W	28°	470 lm	500 mm	Plug connector
il_1065_AG_29_DX_RGB_L5000_01				52.60 W	28°	935 lm	920 mm	Free cable end
il_1065_AG_29_DX_RGB_S0300_01				52.60 W	28°	935 lm	920 mm	Plug connector
il_1065_BG_10_DX_RGB_L5000_01				29.50 W	10°	470 lm	500 mm	Free cable end
il_1065_BG_10_DX_RGB_S0300_01				29.50 W	10°	470 lm	500 mm	Plug connector
il_1065_AG_10_DX_RGB_S0300_01				52.60 W	10°	935 lm	920 mm	Plug connector
il_1065_AG_10_DX_RGB_L1000_01				52.60 W	10°	935 lm	920 mm	Free cable end
il_1065_BG_66_DX_RGB_L1000_01				29.50 W	66°	435 lm	500 mm	Free cable end
il_1065_BG_66_DX_RGB_S0300_01				29.50 W	66°	435 lm	500 mm	Plug connector
il_1065_AG_66_DX_RGB_S0300_01				52.60 W	66°	900 lm	920 mm	Plug connector
il_1065_AG_66_DX_RGB_L5000_01				52.60 W	66°	900 lm	920 mm	Free cable end
il_1065_BG_4D_DX_RGB_S0300_01				29.50 W	11° x 44°	435 lm	500 mm	Plug connector
il_1065_BG_4D_DX_RGB_L1000_01				29.50 W	11° x 44°	435 lm	500 mm	Free cable end
il_1065_AG_4D_DX_RGB_S0300_01				52.60 W	11° x 44°	870 lm	920 mm	Plug connector
il_1065_AG_4D_DX_RGB_L5000_01				52.60 W	11° x 44°	870 lm	920 mm	Free cable end
il_1065_BG_3D_DX_RGB_L5000_01				29.50 W	10° x 12°	470 lm	500 mm	Free cable end
il_1065_BG_3D_DX_RGB_S0300_01				29.50 W	10° x 12°	470 lm	500 mm	Plug connector
il_1065_AG_3D_DX_RGB_L5000_01				52.60 W	10° x 12°	935 lm	920 mm	Free cable end
il_1065_AG_3D_DX_RGB_S0300_01				52.60 W	10° x 12°	935 lm	920 mm	Plug connector
il_1065_BG_5C_DX_RGB_S0300_01				29.50 W	11° x 41°	435 lm	500 mm	Plug connector
il_1065_BG_5C_DX_RGB_L1000_01				29.50 W	11° x 41°	435 lm	500 mm	Free cable end
il_1065_AG_5C_DX_RGB_L5000_01				52.60 W	11° x 41°	935 lm	920 mm	Free cable end
il_1065_AG_5C_DX_RGB_S0300_01				52.60 W	11° x 41°	935 lm	920 mm	Plug connector

Specifications

Rated voltage AC	220 V ... 240 V
Degree of protection	IP67
Protection class	I
Optics	Clear
Light colour	RGB
Ambient temperature	-20°C ... +35°C
Width (B)	70 mm
Height (H)	164 mm
Dimmable/Controllable	Yes
Housing colour	Silver grey

Service life (L80/B10)	60,000 h (at 25°C)
Mains frequency	50 / 60 Hz
Power factor λ	0.90 / 0.95
Efficiency class	A
Storage/transport temperature	-20 ... +70 °C
Connection mode	Plug connector ('S') / Free cable ends ('L')
Cable length	1 m / 5 m ('L'); 0.3 m ('S')
Housing material	Aluminium
Cover material	Tempered glass
Weight	3.3 kg / 5.1 kg
Impact strength	IK10 / IK05

Accessories

Extension cable RST 230 V 1.0 m
IL LTG 3P VL1

Extension cable RST 230 V 2.0 m
IL LTG 3P VL2

Extension cable RST 230 V 5.0 m
IL LTG 3P VL5

Socket RST 230 V IP67, 6-10 mm
IL LTG 3P AN BU

Y connector RST 230 V IP67, 6-10 mm
IL LTG 3P YV

Connection cable DMX M12 IP67 socket, 1 m
IL LTG DX AL1

Connection cable DMX M12 IP67 socket, 5 m
IL LTG DX AL5

T connector DMX M12 IP67 IN/OUT/luminaire
IL LTG DX YV

Extension cable DMX M12 IP67 1.0 m
IL LTG DX VL1

Extension cable DMX M12 IP67 2.0 m
IL LTG DX VL2

Extension cable DMX M12 IP67 5.0 m
IL LTG DX VL5

Load resistance DMX M12 IP67 connector
IL LTG DX AB R

instalight 1065 RGBW

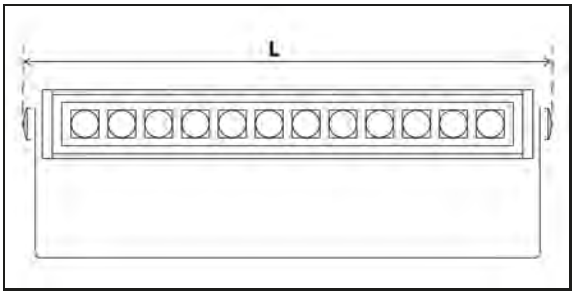
Linear facade spot

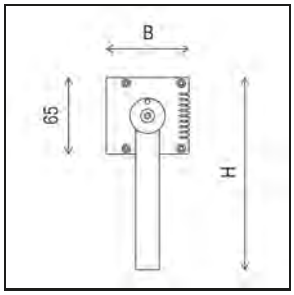
The linear RGBW spot supplies the highest light intensity in the smallest installation space. A range of perfectly matched optics and full DMX compatibility make this luminaire a lighting all-rounder for high quality facade lighting.

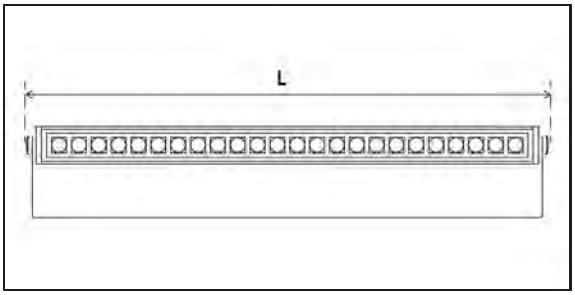
Main Features

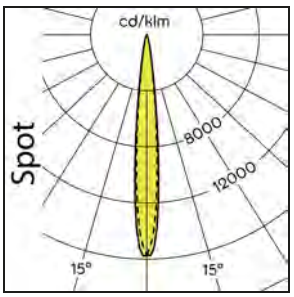
> Brilliant white light, rich colours and pastel shades from one luminaire by combining RGB and white LED
> Ideal for accent lighting by means of rotationally symmetrical or oval optics
> Uncompromising use as wallwasher thanks to asymmetrical optics
> External colour mixing
> Positive locking cover disk prevents dirt adhesion
> Mounting bracket can be removed for easy and comfortable assembly
> Ready to connect with system plug for quick and reliable installation
> Mounting bracket with graduation for fast and reproducible alignment

Product Variations

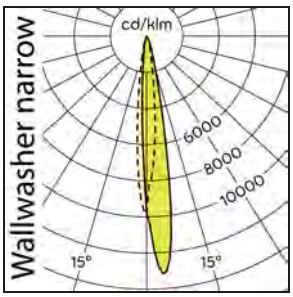




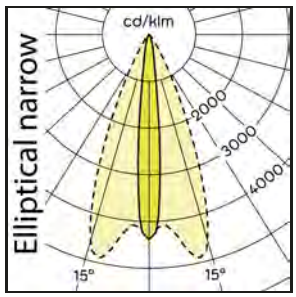




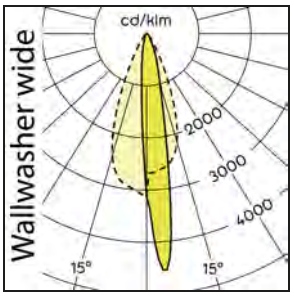
10°



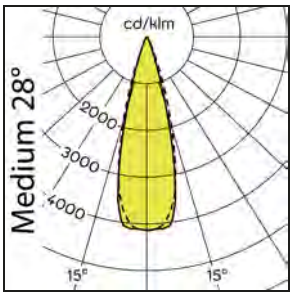
10° X 12°



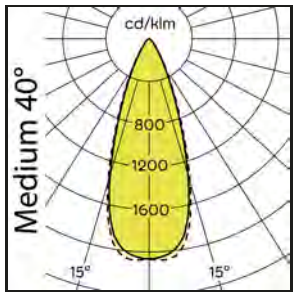
11° X 41°



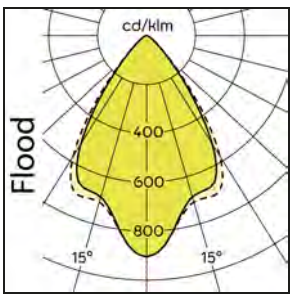
11° X 44°



28°



40°



66°

				P	Optics dir.	Max. lumin. flux	Length (L)	Connection mode
il_1065_BG_40_DX_RGBW_S0300_01				31.60 W	40°	610 lm	500 mm	Plug connector
il_1065_BG_40_DX_RGBW_L1000_01				31.60 W	40°	610 lm	500 mm	Free cable end
il_1065_AG_40_DX_RGBW_L5000_01				55.50 W	40°	1220 lm	920 mm	Free cable end
il_1065_AG_40_DX_RGBW_S0300_01				55.50 W	40°	1220 lm	920 mm	Plug connector
il_1065_BG_29_DX_RGBW_S0300_01				31.60 W	28°	680 lm	500 mm	Plug connector
il_1065_BG_29_DX_RGBW_L5000_01				31.60 W	28°	680 lm	500 mm	Free cable end
il_1065_AG_29_DX_RGBW_S0300_01				55.50 W	28°	1300 lm	920 mm	Plug connector
il_1065_AG_29_DX_RGBW_L5000_01				55.50 W	28°	1300 lm	920 mm	Free cable end
il_1065_BG_10_DX_RGBW_L5000_01				31.60 W	10°	680 lm	500 mm	Free cable end
il_1065_BG_10_DX_RGBW_S0300_01				31.60 W	10°	680 lm	500 mm	Plug connector
il_1065_AG_10_DX_RGBW_L1000_01				55.50 W	10°	1360 lm	920 mm	Free cable end
il_1065_AG_10_DX_RGBW_S0300_01				55.50 W	10°	1360 lm	920 mm	Plug connector
il_1065_BG_66_DX_RGBW_S0300_01				31.60 W	66°	640 lm	500 mm	Plug connector
il_1065_BG_66_DX_RGBW_L5000_01				31.60 W	66°	640 lm	500 mm	Free cable end
il_1065_AG_66_DX_RGBW_L1000_01				55.50 W	66°	1280 lm	920 mm	Free cable end
il_1065_AG_66_DX_RGBW_S0300_01				55.50 W	66°	1280 lm	920 mm	Plug connector
il_1065_BG_4D_DX_RGBW_L1000_01				31.60 W	11° x 44°	600 lm	500 mm	Free cable end
il_1065_BG_4D_DX_RGBW_S0300_01				31.60 W	11° x 44°	600 lm	500 mm	Plug connector
il_1065_AG_4D_DX_RGBW_L5000_01				55.50 W	11° x 44°	1200 lm	920 mm	Free cable end
il_1065_AG_4D_DX_RGBW_S0300_01				55.50 W	11° x 44°	1200 lm	920 mm	Plug connector
il_1065_BG_3D_DX_RGBW_S0300_01				31.60 W	10° x 12°	650 lm	500 mm	Plug connector
il_1065_BG_3D_DX_RGBW_L1000_01				31.60 W	10° x 12°	650 lm	500 mm	Free cable end
il_1065_AG_3D_DX_RGBW_L1000_01				55.50 W	10° x 12°	1300 lm	920 mm	Free cable end
il_1065_AG_3D_DX_RGBW_S0300_01				55.50 W	10° x 12°	1300 lm	920 mm	Plug connector
il_1065_BG_5C_DX_RGBW_S0300_01				31.60 W	11° x 41°	640 lm	500 mm	Plug connector
il_1065_BG_5C_DX_RGBW_L5000_01				31.60 W	11° x 41°	640 lm	500 mm	Free cable end
il_1065_AG_5C_DX_RGBW_S0300_01				55.50 W	11° x 41°	1300 lm	920 mm	Plug connector
il_1065_AG_5C_DX_RGBW_L1000_01				55.50 W	11° x 41°	1300 lm	920 mm	Free cable end

Specifications

Rated voltage AC	220 V ... 240 V
Degree of protection	IP67
Protection class	I
Optics	Clear
Light colour	RGBW
Ambient temperature	-20°C ... +35°C
Width (B)	70 mm
Height (H)	164 mm
Dimmable/Controllable	Yes
Housing colour	Silver grey
Nominal current	220 mA

Service life (L80/B10)	60,000 h (at 25°C)
Mains frequency	50 / 60 Hz
Power factor λ	0.90 / 0.95
Efficiency class	A/B (depending on optics)
Connection mode	Plug connector ('S') / Free cable ends ('L')
Cable length	1 m / 5 m ('L'); 0.3 m ('S')
Housing material	Aluminium
Cover material	Tempered glass
Weight	3.3 kg / 5.1 kg
Impact strength	IK10 / IK05
Storage/transport temperature	-20 ... +70 °C

Accessories

Extension cable RST 230 V 1.0 m
IL LTG 3P VL1

Extension cable RST 230 V 2.0 m
IL LTG 3P VL2

Extension cable RST 230 V 5.0 m
IL LTG 3P VL5

Socket RST 230 V IP67, 6-10 mm
IL LTG 3P AN BU

Y connector RST 230 V IP67, 6-10 mm
IL LTG 3P YV

Connection cable DMX M12 IP67 socket, 1 m
IL LTG DX AL1

Connection cable DMX M12 IP67 socket, 5 m
IL LTG DX AL5

T connector DMX M12 IP67 IN/OUT/luminaire
IL LTG DX YV

Extension cable DMX M12 IP67 1.0 m
IL LTG DX VL1

Extension cable DMX M12 IP67 2.0 m
IL LTG DX VL2

Extension cable DMX M12 IP67 5.0 m
IL LTG DX VL5

Load resistance DMX M12 IP67 connector
IL LTG DX AB R

Dietrich-Oppenberg-Haus,
Essen Germany
Photo: Boris Golz

Placa Disseny

Barcelona, Spain

REFERENCE

Realisation: 2012

Building owner: Stadt Barcelona

Architecture: MBM arquitectos

Light planning: artec3

Photo: Alvaro Garcia Valdeantos

Cast in-ground light line

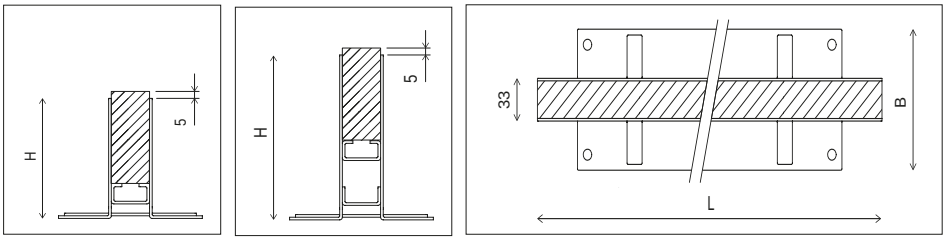
instalight 1060

Cast in-ground light line

The family of the instalight inground light lines in the filigree refined steel housing has a very special way of turning light into an element of architectural design. Choose from a range of different light colours and mechanical concepts to create the right light line for your project. The slender, elegant instalight 1060 is already lighting up countless paths and squares around the world.

> instalight 1060 LX TW

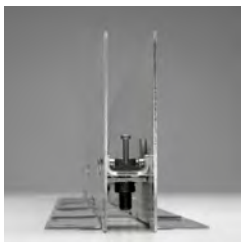
instalight 1060
Mounting frame



Article description	Overall size (mm)			Article number
	L	B	H	
Mounting frame for outdoor use 1000x125	1000	109	125	il 1060 F 1000x125
Mounting frame for indoor use 1000x90	1000	109	90	il 1060 F 1000x90
Mounting frame for outdoor use 500x125	500	109	125	il 1060 F 500x125
Mounting frame for indoor use 500x90	500	109	90	il 1060 F 500x90
Mounting frame for outdoor use 344x125	344	109	125	il 1060 F 344x125
Mounting frame for indoor use 344x90	344	109	90	il 1060 F 344x90
Special lengths in case of project on request				
Lifting tool il 1060 for subsequent removal of the luminaire from the the mounting frame/from the ACO-Sideline	173	160	7	il 1060 ZM 01

Concrete housing

Built-in stair-case housing



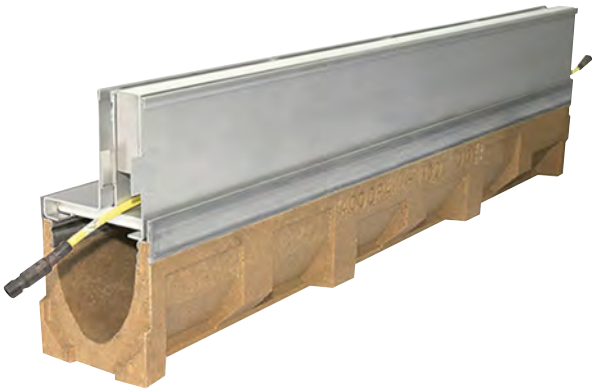
Height adjustable frame

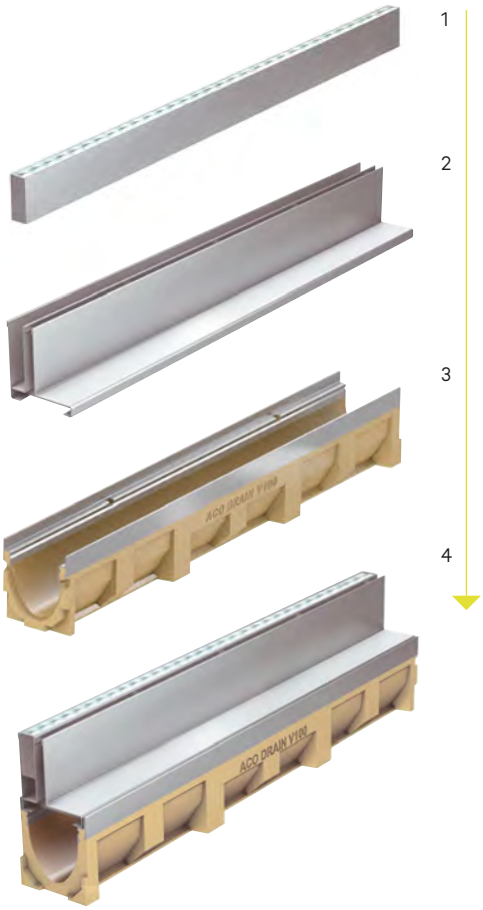
Single Flap (wing) housing for Mounting aside a wall

Further mounting frames for various applications on request.

ACO Sideline for instalight 1060

Slotted frame drainage

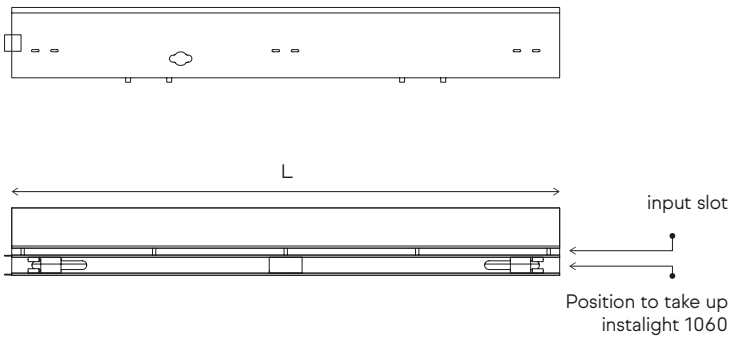


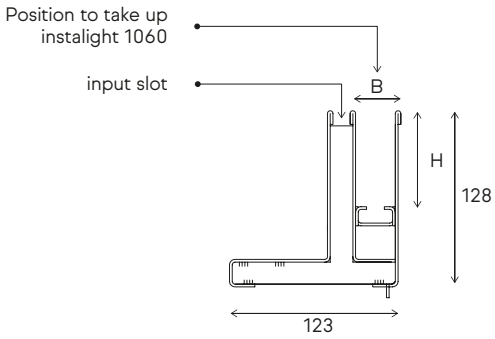


System components

1 instalight 1060 inground light line
2 ACO slotted frame drainage
3 ACO channel body
4 ACO Sideline

The ACO Sideline is the result of a development cooperation with ACO Tiefbau. Realized was a slotted frame drainage with integrated LED illumination as linear inground light line. Ideally suitable for architectural illumination of squares, paths, parks and gardens. Monochrome colours, CI-colours, RGB with colour change or dynamic light. As standard, Sideline integrates the instalight 1060.





instalight 1060 light inserts for integration into ACO Sideline by the client

Version	L (mm)	B (mm)	H (mm)
instalight 1060 LH	1000/344	29	70
instalight 1060 LN	1000/500/344	29	70
instalight 1060 LS	1000/500/344	29	70
instalight 1060 LX RGB	1000/500/344	29	70
instalight 1060 LX RGBW	1000/500/344	29	70

Product characteristics / Technical data

ACO Sideline combines two functions in one: Drainage and light. As standard, Sideline takes up the inground light line instalight 1060. In the variants LH, LN, LS, LX RGBW and LX TW. All product features and advantages of the inground light line instalight 1060 can be found on the product pages. ACO Sideline can be obtained from ACO Tiefbau Vertrieb GmbH.

instalight 1060 LH

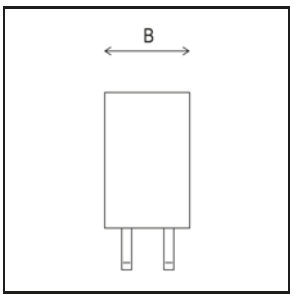
Cast in-ground light line 230 V

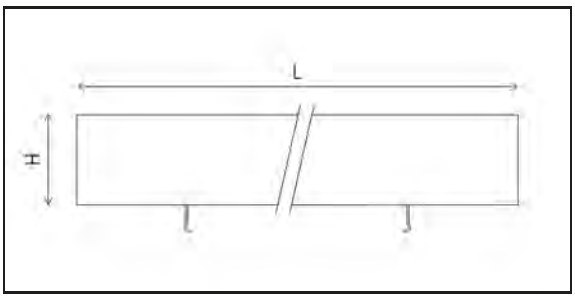
The in-ground light line, made of V4A stainless steel, is more than a simple orientation light. Thanks to the direct connection to the mains voltage and compatibility with standard dimmers, this luminaire stands out through its minimal space requirements and small amount of installation work.

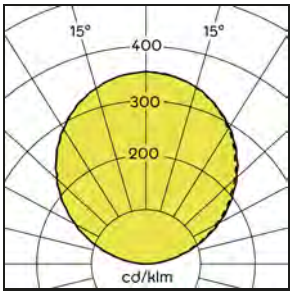
Main Features

> Homogeneous light-emitting surface for aesthetic lighting effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Extremely stable installation frame, can withstand wheeled vehicles
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> Minimum installation and planning effort due to direct access to mains voltage
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Snap-In-technology of the light inserts for fast assembly without tools
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request

Product Variations







120°

	P	Max. lumin. flux	Light colour	CRI	Length (L)	Weight
il 1060 LH 344 BU	3.3 W	12 lm	Blue		344 mm	1.4 kg
il 1060 LH 344 827	3.3 W	125 lm	2700 K	85	344 mm	1.4 kg
il 1060 LH 344 830	3.3 W	125 lm	3000 K	85	344 mm	1.4 kg
il 1060 LH 344 840	3.3 W	140 lm	4000 K	85	344 mm	1.4 kg
il 1060 LH 1000 BU	10 W	36 lm	Blue		1000 mm	4 kg
il 1060 LH 1000 827	10 W	375 lm	2700 K	85	1000 mm	4 kg
il 1060 LH 1000 830	10 W	375 lm	3000 K	85	1000 mm	4 kg
il 1060 LH 1000 840	10 W	420 lm	4000 K	85	1000 mm	4 kg

Specifications

Optics	Satined
Beam angle direct	120°
Ambient temperature	-20 ... +50 °C
Width (B)	29 mm
Height (H)	70 mm
Dimmable/Controllable	Yes
Housing colour	stainless steel
Rated voltage AC	230 V ~
Mains frequency	50 Hz
Power factor λ	0.57
Protection connector	IP67
Protection luminaire	IP68, 2 m / IP69 / IP69K

Protection class	II
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	Phoenix Quickon-One IP67
Cable length	2x 500 mm
Housing material	Stainless steel (V4A)
Cover material	Plastic
Glow-wire testing	650 °C
Weight	4 kg/m
Impact strength	IK10
Stat. pressure load	30 kN
Ability to be traversed by vehicles	yes

Accessories

Mounting frame 1000 x 165
IL 1060 F 1000 X 165

Mounting frame 1000 x 125
IL 1060 F 1000 X 125

Mounting frame 1000 x 90
IL 1060 F 1000 X 90

Mounting frame 500 x 165
IL 1060 F 500 X 165

Mounting frame 500 x 125
IL 1060 F 500 X 125

Mounting frame 500 x 90
IL 1060 F 500 X 90

Mounting frame 344 x 165
IL 1060 F 344 X 165

Mounting frame 344 x 125
IL 1060 F 344 X 125

Mounting frame 344 x 90
IL 1060 F 344 X 90

Lifting tool il1060
IL 1060 ZM 01

Connector Set IP67 230V
IL 1060 ZL 01

instalight 1060 LN

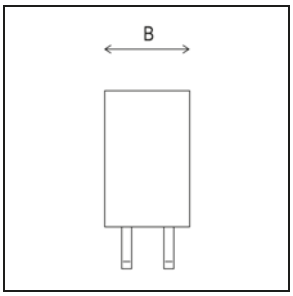
Cast in-ground light line

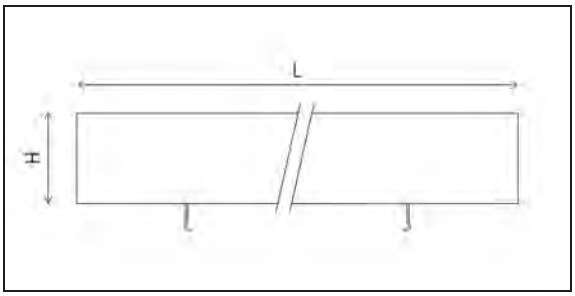
With its monochrome line and low power consumption, the V4A stainless steel in-ground light line can fulfil all kinds of requirements, anywhere in the world - on squares and paths, indoors and outdoors, above and below water.

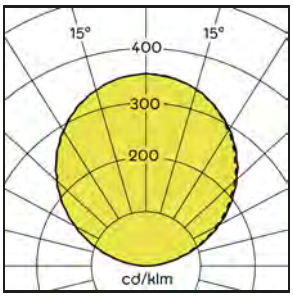
Main Features

> Homogeneous light-emitting surface for aesthetic lighting effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Extremely stable installation frame, can withstand wheeled vehicles
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Snap-In-technology of the light inserts for fast assembly without tools
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request

Product Variations







110°

	P	Max. lumin. flux	Light colour	Length (L)	Weight
il 1060 LN 344 BU	2.4 W	12 lm	Blue	344 mm	1.4 kg
il 1060 LN 344 830	2.4 W	104 lm	3000 K	344 mm	1.4 kg
il 1060 LN 344 840	2.4 W	104 lm	4000 K	344 mm	1.4 kg
il 1060 LN 344 827	2.4 W	104 lm	2700 K	344 mm	1.4 kg
il 1060 LN 500 BU	3.6 W	18 lm	Blue	500 mm	2 kg
il 1060 LN 500 827	3.6 W	156 lm	2700 K	500 mm	2 kg
il 1060 LN 500 840	3.6 W	156 lm	4000 K	500 mm	2 kg
il 1060 LN 500 830	3.6 W	156 lm	3000 K	500 mm	2 kg
il 1060 LN 1000 BU	7.2 W	24 lm	Blue	1000 mm	4 kg
il 1060 LN 1000 827	7.2 W	312 lm	2700 K	1000 mm	4 kg
il 1060 LN 1000 830	7.2 W	312 lm	3000 K	1000 mm	4 kg
il 1060 LN 1000 840	7.2 W	312 lm	4000 K	1000 mm	4 kg

Specifications

Protection class	III
Optics	Satined
Beam angle direct	110°
Ambient temperature	-20 ... +45 °C
Width (B)	29 mm
Height (H)	70 mm
Dimmable/Controllable	Yes
Interface	Depending on the ballast used
Housing colour	stainless steel
Rated voltage DC	DC 28 V SELV
Protection connector	IP67

Protection luminaire	IP68, 2 m / IP69 / IP69K
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	ITT Cannon IP67
Cable length	2x 500 mm
Housing material	Stainless steel (V4A)
Cover material	Plastic
Glow-wire testing	650 °C
Weight	4 kg/m
Impact strength	IK10
Stat. pressure load	30 kN
Ability to be traversed by vehicles	yes

Accessories

Mounting frame 1000 x 165
IL 1060 F 1000 X 165

Mounting frame 1000 x 125
IL 1060 F 1000 X 125

Mounting frame 1000 x 90
IL 1060 F 1000 X 90

Mounting frame 500 x 165
IL 1060 F 500 X 165

Mounting frame 500 x 125
IL 1060 F 500 X 125

Mounting frame 500 x 90
IL 1060 F 500 X 90

Mounting frame 344 x 165
IL 1060 F 344 X 165

Mounting frame 344 x 125
IL 1060 F 344 X 125

Mounting frame 344 x 90
IL 1060 F 344 X 90

Lifting tool il1060
IL 1060 ZM 01

Safety sleeve IP67
50900049

Adapter cable
58924050

End plug
58926010

End socket
58926011

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-110 W / 30 V
50930074

instalight 1060 LS

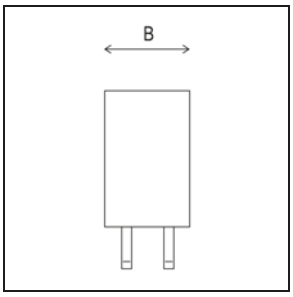
Cast in-ground light line

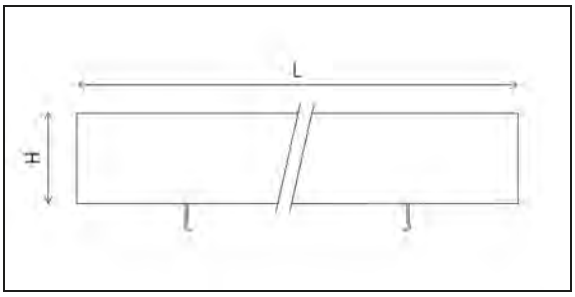
The powerful in-ground light line, made of V4A stainless steel, is more than a simple orientation light. With its monochrome white light, this luminaire can fulfil all kinds of requirements, anywhere in the world - on squares and paths, indoors and outdoors, above and below water.

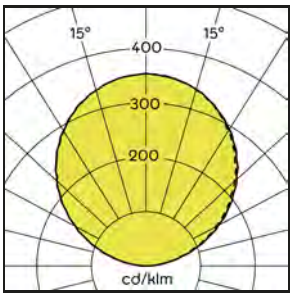
Main Features

> Homogeneous light-emitting surface for aesthetic lighting effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Extremely stable installation frame, can withstand wheeled vehicles
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Snap-In-technology of the light inserts for fast assembly without tools
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request

Product Variations







110°

	P	Max. lumin. flux	Light colour	Length (L)
il 1060 LS 344 830	5.4 W	300 lm	3000 K	344 mm
il 1060 LS 344 840	5.4 W	300 lm	4000 K	344 mm
il 1060 LS 344 827	5.4 W	300 lm	2700 K	344 mm
il 1060 LS 500 840	8 W	450 lm	4000 K	500 mm
il 1060 LS 500 827	8 W	450 lm	2700 K	500 mm
il 1060 LS 500 830	8 W	450 lm	3000 K	500 mm
il 1060 LS 1000 830	16 W	900 lm	3000 K	1000 mm
il 1060 LS 1000 827	16 W	900 lm	2700 K	1000 mm
il 1060 LS 1000 840	16 W	900 lm	4000 K	1000 mm

Specifications

Protection class	III
Optics	Satined
Beam angle direct	110°
Luminous efficiency	56 lm/W
Ambient temperature	-20 ... +40 °C
Width (B)	29 mm
Height (H)	70 mm
Dimmable/Controllable	Yes
Interface	Depending on the ballast used
Housing colour	stainless steel
Weight	4 kg/m
Rated voltage DC	28 V SELV

Protection luminaire	IP68, 2 m / IP69 / IP69K
Protection connector	IP67
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	ITT Cannon IP67
Cable length	2 x 500 mm
Housing material	Stainless steel (V4A)
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK10
Stat. pressure load	30 kN
Ability to be traversed by vehicles	yes

Accessories

Mounting frame 1000 x 165
IL 1060 F 1000 X 165

Mounting frame 1000 x 125
IL 1060 F 1000 X 125

Mounting frame 1000 x 90
IL 1060 F 1000 X 90

Mounting frame 500 x 165
IL 1060 F 500 X 165

Mounting frame 500 x 125
IL 1060 F 500 X 125

Mounting frame 500 x 90
IL 1060 F 500 X 90

Mounting frame 344 x 165
IL 1060 F 344 X 165

Mounting frame 344 x 125
IL 1060 F 344 X 125

Mounting frame 344 x 90
IL 1060 F 344 X 90

Lifting tool il1060
IL 1060 ZM 01

Safety sleeve IP67
50900049

Adapter cable
58924050

End plug
58926010

End socket
58926011

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-110 W / 30 V
50930074

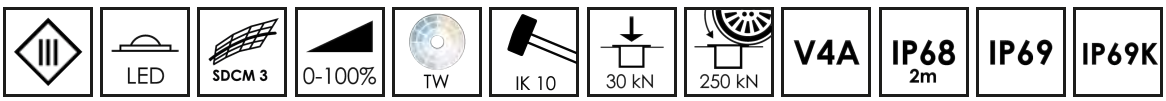
instalight 1060 LX TW

Cast in-ground light line

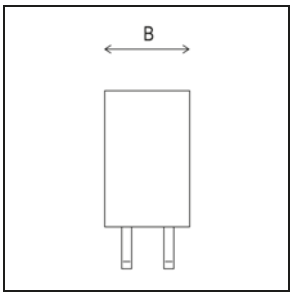
The intense in-ground light line, made of V4A stainless steel with a variable colour temperature, is much more than a simple orientation light. With its dynamic white light, this luminaire can fulfil all kinds of requirements, anywhere in the world - on squares and paths, indoors and outdoors, above and below water.

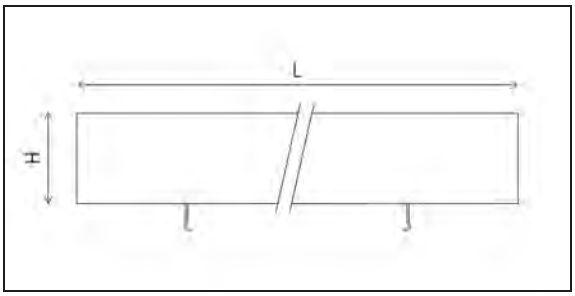
Main Features

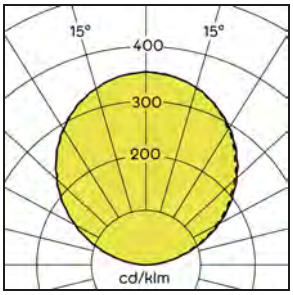
> Homogeneous light-emitting surface for aesthetic lighting effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Extremely stable installation frame, can withstand wheeled vehicles
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> V4A stainless-steel housing for durable operation in an external environment
> Tunable white for biodynamic lighting and colour dynamic white light in high quality
> A unique control algorithm guarantees constant brightness over the entire adjustment range
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Snap-In-technology of the light inserts for fast assembly without tools
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request



Product Variations







110°

	P	Max. lumin. flux	Length (L)	Weight
il 1060 LX 344 2765	6.3 W	226 lm	344 mm	1.4 kg
il 1060 LX 500 2765	9.6 W	339 lm	500 mm	2 kg
il 1060 LX 1000 2765	18.9 W	678 lm	1000 mm	4 kg

Specifications

Protection class	III
Optics	Satined
Beam angle direct	110°
Light colour	2700 ... 6500 K
Luminous efficiency	36 lm/W
Ambient temperature	-20 ... +45 °C
Width (B)	29 mm
Height (H)	70 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	stainless steel
Rated voltage DC	DC 28 V SELV
Protection luminaire	IP68, 2 m / IP69 / IP69K

Protection connector	IP67
Efficiency class	A+ (1000) / A++ (500/344)
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	ITT Cannon IP67
Cable length	2 x 500 mm
Housing material	Stainless steel (V4A)
Cover material	Plastic
Glow-wire testing	650 °C
Weight	4 kg/m
Impact strength	IK10
Stat. pressure load	30 kN
Ability to be traversed by vehicles	yes

Accessories

Mounting frame 1000 x 165
IL 1060 F 1000 X 165

Mounting frame 1000 x 125
IL 1060 F 1000 X 125

Mounting frame 1000 x 90
IL 1060 F 1000 X 90

Mounting frame 500 x 165
IL 1060 F 500 X 165

Mounting frame 500 x 125
IL 1060 F 500 X 125

Mounting frame 500 x 90
IL 1060 F 500 X 90

Mounting frame 344 x 165
IL 1060 F 344 X 165

Mounting frame 344 x 125
IL 1060 F 344 X 125

Mounting frame 344 x 90
IL 1060 F 344 X 90

Lifting tool il1060
IL 1060 ZM 01

Safety sleeve IP67
50900049

Adapter cable
58924050

End plug
58926010

End socket
58926011

Adapter
IL ZL IP20 001

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-110 W / 30 V
50930074

SNT ELI 0-57 W
58916030

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

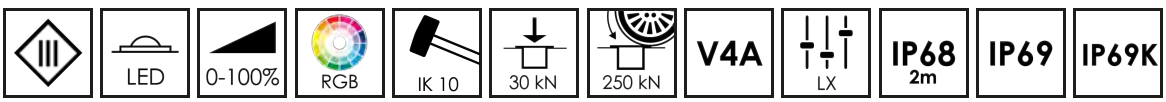
instalight 1060 LX RGB

Cast in-ground light line

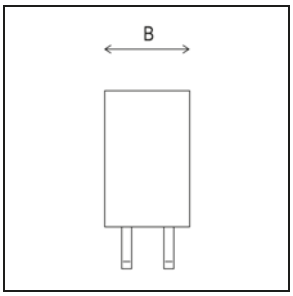
The in-ground light line, made of V4A stainless steel, is much more than a simple orientation light. From the clear, monochrome line guide through to multimedia light installations with hundreds of colour-controllable segments, this luminaire can fulfil all kinds of requirements, anywhere in the world - on squares and paths, indoors and outdoors, above and below water.

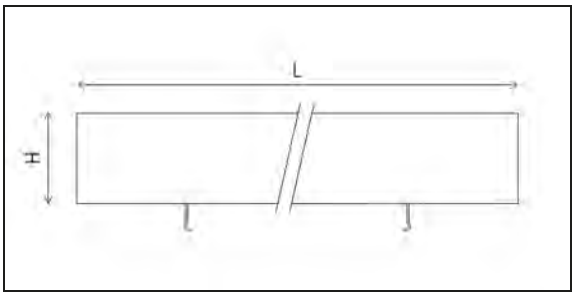
Main Features

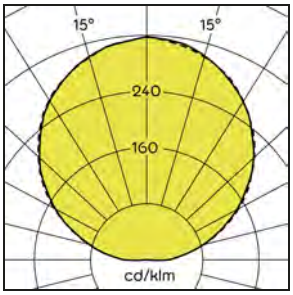
> Homogeneous light-emitting surface for aesthetic lighting effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Extremely stable installation frame, can withstand wheeled vehicles
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Snap-In-technology of the light inserts for fast assembly without tools
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request



Product Variations







110°

	P	Max. lumin. flux	Length (L)	Weight
il 1060 LX 344 RGB	5.4 W	40 lm	344 mm	1.4 kg
il 1060 LX 500 RGB	8.1 W	60 lm	500 mm	2 kg
il 1060 LX 1000 RGB	16.2 W	120 lm	1000 mm	4 kg

Specifications

Efficiency class	A
Protection class	III
Optics	Satined
Beam angle direct	110°
Light colour	RGB
Ambient temperature	-20 ... +45 °C
Width (B)	29 mm
Height (H)	70 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	stainless steel
Rated voltage DC	DC 28 V SELV

Protection luminaire	IP68, 2 m / IP69 / IP69K
Protection connector	IP67
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	ITT Cannon IP67
Cable length	2 x 500 mm
Housing material	Stainless steel (V4A)
Cover material	Plastic
Glow-wire testing	650 °C
Weight	4 kg/m
Impact strength	IK10
Stat. pressure load	30 kN
Ability to be traversed by vehicles	yes

Accessories

Mounting frame 1000 x 165
IL 1060 F 1000 X 165

Mounting frame 1000 x 125
IL 1060 F 1000 X 125

Mounting frame 1000 x 90
IL 1060 F 1000 X 90

Mounting frame 500 x 165
IL 1060 F 500 X 165

Mounting frame 500 x 125
IL 1060 F 500 X 125

Mounting frame 500 x 90
IL 1060 F 500 X 90

Mounting frame 344 x 165
IL 1060 F 344 X 165

Mounting frame 344 x 125
IL 1060 F 344 X 125

Mounting frame 344 x 90
IL 1060 F 344 X 90

Lifting tool il1060
IL 1060 ZM 01

Safety sleeve IP67
50900049

Adapter cable
58924050

End plug
58926010

End socket
58926011

Adapter
IL ZL IP20 001

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-110 W / 30 V
50930074

SNT ELI 0-57 W
58916030

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

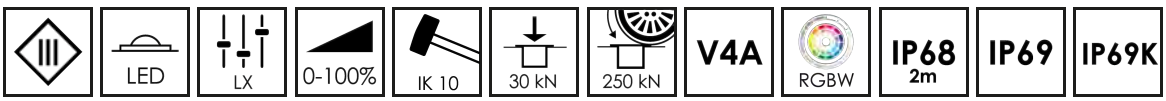
instalight 1060 LX RGBW

Cast in-ground light line

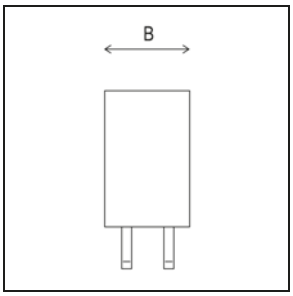
The in-ground light line, made of V4A stainless steel, is much more than a simple orientation light. From the clear, monochrome line guide through to multimedia light installations with hundreds of colour-controllable segments, this luminaire can fulfil all kinds of requirements, anywhere in the world - on squares and paths, indoors and outdoors, above and below water.

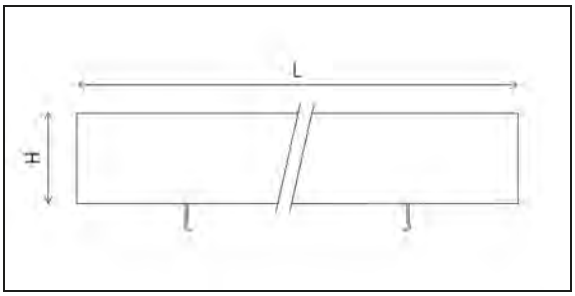
Main Features

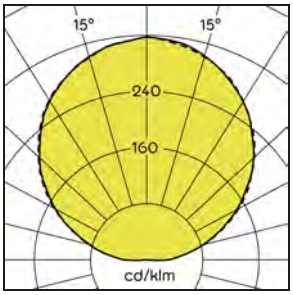
> Homogeneous light-emitting surface for aesthetic lighting effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Extremely stable installation frame, can withstand wheeled vehicles
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> V4A stainless-steel housing for durable operation in an external environment
> Brilliant white light, rich colours and pastel shades from one luminaire by combining RGB and white LED
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Snap-In-technology of the light inserts for fast assembly without tools
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request



Product Variations







110°

	P	Max. lumin. flux	Length (L)	Weight
il 1060 LX 344 RGBW	5.6 W	45 lm	344 mm	1.4 kg
il 1060 LX 500 RGBW	8.4 W	68 lm	500 mm	2 kg
il 1060 LX 1000 RGBW	16.8 W	135 lm	1000 mm	4 kg

Specifications

Protection class	III
Optics	Satined
Beam angle direct	110°
Light colour	RGBW
Ambient temperature	-20 ... +45 °C
Width (B)	29 mm
Height (H)	70 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	stainless steel
Rated voltage DC	28 V SELV
Protection luminaire	IP68, 2 m / IP69 / IP69K

Protection connector	IP67
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	ITT Cannon IP67
Cable length	2 x 500 mm
Housing material	Stainless steel (V4A)
Cover material	Plastic
Glow-wire testing	650 °C
Weight	4 kg/m
Impact strength	IK10
Stat. pressure load	30 kN
Ability to be traversed by vehicles	yes

Accessories

Mounting frame 1000 x 165
IL 1060 F 1000 X 165

Mounting frame 1000 x 125
IL 1060 F 1000 X 125

Mounting frame 1000 x 90
IL 1060 F 1000 X 90

Mounting frame 500 x 165
IL 1060 F 500 X 165

Mounting frame 500 x 125
IL 1060 F 500 X 125

Mounting frame 500 x 90
IL 1060 F 500 X 90

Mounting frame 344 x 165
IL 1060 F 344 X 165

Mounting frame 344 x 125
IL 1060 F 344 X 125

Mounting frame 344 x 90
IL 1060 F 344 X 90

Lifting tool il1060
IL 1060 ZM 01

Safety sleeve IP67
50900049

Adapter cable
58924050

End plug
58926010

End socket
58926011

Adapter
IL ZL IP20 001

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-110 W / 30 V
50930074

SNT ELI 0-57 W
58916030

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

Castle Square Varel

Varel, Germany

REFERENCE

Realisation: 2014

Building owner: City of Varel

Planning: Kilian + Frenz Landschaftsarchitekten

Photo: Oliver Christen Lichtplanung

Inground light point

instalight 3090

Encapsulated inground light point

instalight 3090 offers many design possibilities; whether monochrome white, coloured or controlled with RGB colour sequence. You can choose between the sturdy but elegant refined steel housing or the frameless version. instalight 3090 delineates, connects and helps to orientate or accentuate.

> instalight 3090

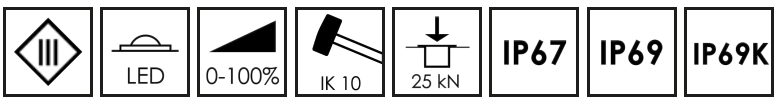
instalight 3090

Inground light point, encapsulated

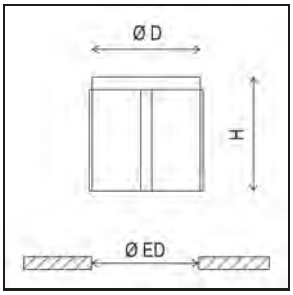
The light point is the best example of a compact, monochrome orientation light of the kind which can only be implemented with modern LED technology. Highly robust and equipped with a homogeneous non-slip light surface, this floor installation light point becomes an impressive element of modern, urban lighting concepts.

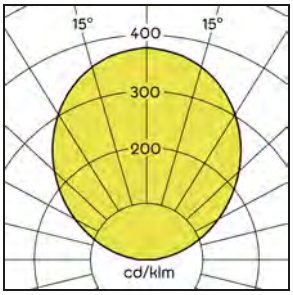
Main Features

> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)



Product Variations





60°

	Max. lumin. flux	Light colour	Connection mode
58951016	1 lm	Blue	Plug connector (input only)
58951026	1 lm	Blue	Plug connector (input / output)
5895xx1x	10 lm	3000 K	Plug connector (input only)
5895xx2x	10 lm	3000 K	Plug connector (input / output)

Specifications

Power consumption	0.6 W
Degree of protection	IP67, IP69, IP69K
Protection class	III
Optics	Satined
Beam angle direct	60°
Ambient temperature	-20 ... +45 °C
External diameter (AD)	60 mm
Height (H)	62 mm
Installation depth (ET)	110 mm
Installation diameter (ED)	60 mm
Cable length	Approx. 300 mm
Dimmable/Controllable	Yes

Interface	PWM
Housing colour	White
Weight	Approx. 0.2 kg
Rated voltage DC	28 V SELV
Efficiency class	A
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	60,000 h
Housing material	Plastic
Cover material	PU grouting
Impact strength	IK10
Stat. pressure load	25 kN
Ability to be traversed by vehicles	yes

Accessories

Safety sleeve IP67
50900049

End plug
58926010

Stainless steel housing
58925030

Ground stake for stainless steel housing
58925035

Supply Unit 0-57 W IP66
DCV 057 28 IP66 2

SNT ELI 0-110 W / 30 V
50930074

Supply unit 0-120 W / AM
58920027

End socket
58926011

Extension cable LX IP67 1.0 m
58924011

Extension cable LX IP67 2.0 m
58924012

Extension cable LX IP67 5.0 m
58924013

Adapter cable
58924050

instalight 3090 RGB

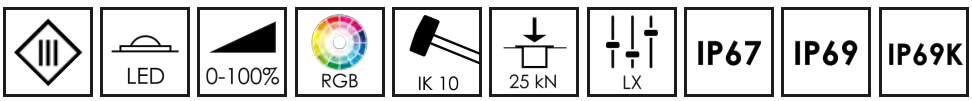
58950026

Inground light point, encapsulated

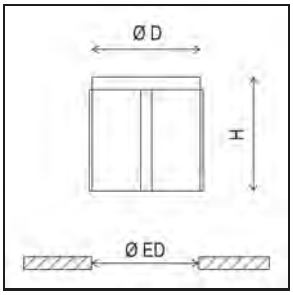
The RGB light point is the best example of a compact orientation light of the kind which can only be implemented with modern LED technology. Highly robust and equipped with a homogeneous non-slip light surface, this floor installation light point becomes an impressive element of modern, urban lighting concepts.

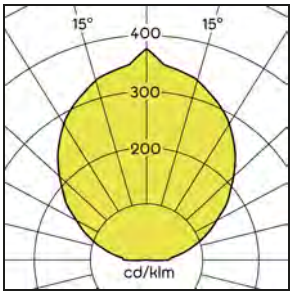
Main Features

> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Flush installation for perfect integration into the surroundings
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> High quality look due to construction without screws in the visible area
> Frameless housing ensures seamless transition to light-emitting surface
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Ready to connect with system plug for quick and reliable installation
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)



Product Variations





60°

Specifications

Power consumption	0.8 W
Degree of protection	IP67, IP69, IP69K
Protection class	III
Optics	Satined
Beam angle direct	60°
Max luminous flux direct	2 lm
Luminous flux direct (green)	2 lm
Luminous flux direct (red)	1 lm
Luminous flux direct (blue)	2 lm
Light colour	RGB
Ambient temperature	-20 ... +45 °C
External diameter (AD)	60 mm
Height (H)	62 mm
Installation depth (ET)	110 mm
Installation diameter (ED)	60 mm

Connection mode	Plug connector (input / output)
Cable length	Approx. 300 mm
Cable length (output)	Approx. 300 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	White
Weight	Approx. 0.2 kg
Rated voltage DC	28 V SELV
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	60,000 h
Housing material	Plastic
Cover material	Plastic
Impact strength	IK10
Stat. pressure load	25 kN
Ability to be traversed by vehicles	yes

Accessories

Safety sleeve IP67
50900049

End plug
58926010

Stainless steel housing
58925030

Ground stake for stainless steel housing
58925035

SNT ELI 0-110 W / 30 V
50930074

Supply Unit 0-57 W IP66
DCV 057 28 IP66 2

Supply unit 0-120 W / AM
58920027

End socket
58926011

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

Extension cable LX IP67 1.0 m
58924011

Extension cable LX IP67 2.0 m
58924012

Extension cable LX IP67 5.0 m
58924013

Adapter cable
58924050

Bridge at the Phänomenta in Lüdenscheid

Lüdenscheid, Germany

REFERENCE

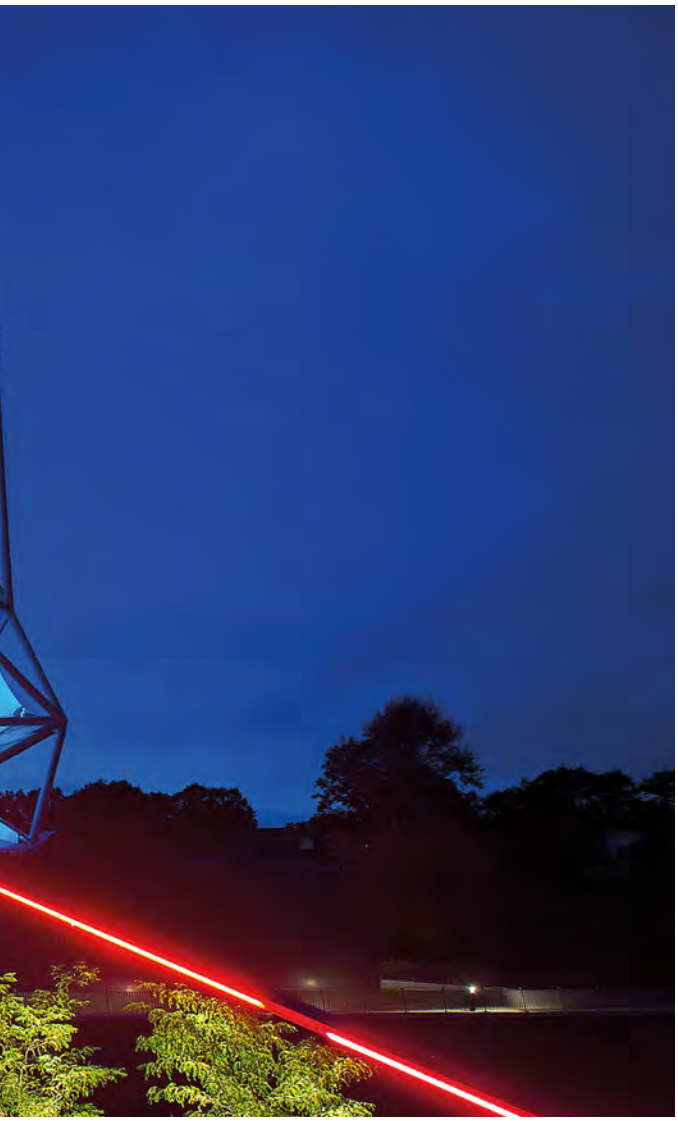
Realisation: 2016

Building owner: City of Lüdenscheid

Object planning: ARGE Objektplanung Brücke Lüdenscheid

Light planning: Conceptual design Speirs & Major, execution planning DIAL / Lüdenscheid

Photo: Rolf J. Rutzen



Pathlighting

instalight 4020

Light from handrail

The instalight 4020 is the continued further development of linear LED products for outdoor areas. Fully encapsulated - sturdy, waterproof, vandal-proof. Besides the classic mounting type for lighting out of the handrail, the module can also be used free in buildings.

> instalight 4020

instalight 4020 LH ASYM

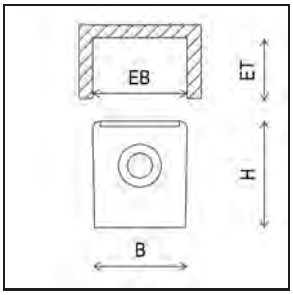
Asymmetrical light insert encapsulated 230 V

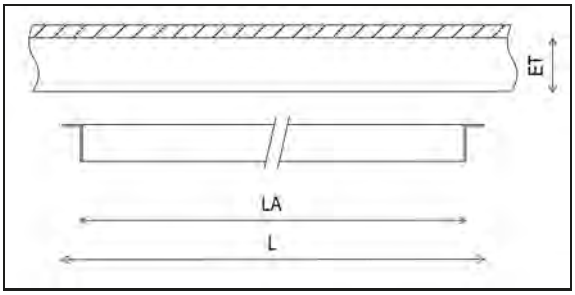
The universal light insert, made of V4A stainless steel with an asymmetrical light distribution, allows highly-efficient illumination of traffic areas. The completely encapsulated LED light element can be integrated almost invisibly into handrail. The LH variant is directly connected to the mains voltage and compatible with standard dimmers.

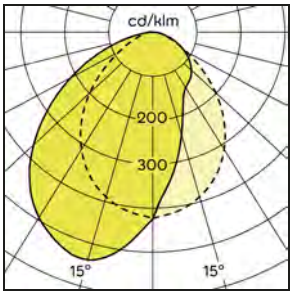
Main Features

> Asymmetrical beam characteristic for more consistency over a defined area
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Minimum installation and planning effort due to direct access to main voltage
> V4A stainless-steel housing for durable operation in an extreme environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Light inserts with the color temperature 4000 K are DB-listed
> Project-related special lengths on request

Product Variations







70° X 90°

	P	Max. lumin. flux	Light colour	Length (L)	Connection mode	Weight
il 4020 LH 0350 830X ASYM L	3.3 W	200 lm	3000 K	380 mm	Input cable left	0.56 kg
il 4020 LH 0350 827X ASYM L	3.3 W	200 lm	2700 K	380 mm	Input cable left	0.56 kg
il 4020 LH 0350 830X ASYM R	3.3 W	200 lm	3000 K	380 mm	Input cable right	0.56 kg
il 4020 LH 0350 827X ASYM R	3.3 W	200 lm	2700 K	380 mm	Input cable right	0.56 kg
il 4020 LH 0350 840X ASYM R	3.3 W	220 lm	4000 K	380 mm	Input cable right	0.56 kg
il 4020 LH 0350 840X ASYM L	3.3 W	220 lm	4000 K	380 mm	Input cable left	0.56 kg
il 4020 LH 0680 830X ASYM R	6.6 W	400 lm	3000 K	710 mm	Input cable right	1.08 kg
il 4020 LH 0680 827X ASYM R	6.6 W	400 lm	2700 K	710 mm	Input cable right	1.08 kg
il 4020 LH 0680 830X ASYM L	6.6 W	400 lm	3000 K	710 mm	Input cable left	1.08 kg
il 4020 LH 0680 827X ASYM L	6.6 W	400 lm	2700 K	710 mm	Input cable left	1.08 kg
il 4020 LH 0680 840X ASYM L	6.6 W	440 lm	4000 K	710 mm	Input cable left	1.08 kg
il 4020 LH 0680 840X ASYM R	6.6 W	440 lm	4000 K	710 mm	Input cable right	1.08 kg
il 4020 LH 1005 827X ASYM L	10.0 W	600 lm	2700 K	1035 mm	Input cable left	1.6 kg
il 4020 LH 1005 830X ASYM R	10.0 W	600 lm	3000 K	1035 mm	Input cable right	1.6 kg
il 4020 LH 1005 827X ASYM R	10.0 W	600 lm	2700 K	1035 mm	Input cable right	1.6 kg
il 4020 LH 1005 830X ASYM L	10.0 W	600 lm	3000 K	1035 mm	Input cable left	1.6 kg
il 4020 LH 1005 840X ASYM L	10.0 W	660 lm	4000 K	1035 mm	Input cable left	1.6 kg
il 4020 LH 1005 840X ASYM R	10.0 W	660 lm	4000 K	1035 mm	Input cable right	1.6 kg
il 4020 LH 1330 830X ASYM R	13.2 W	800 lm	3000 K	1360 mm	Input cable right	2.13 kg
il 4020 LH 1330 827X ASYM L	13.2 W	800 lm	2700 K	1360 mm	Input cable left	2.13 kg
il 4020 LH 1330 827X ASYM R	13.2 W	800 lm	2700 K	1360 mm	Input cable right	2.13 kg
il 4020 LH 1330 830X ASYM L	13.2 W	800 lm	3000 K	1360 mm	Input cable left	2.13 kg
il 4020 LH 1330 840X ASYM L	13.2 W	880 lm	4000 K	1360 mm	Input cable left	2.13 kg
il 4020 LH 1330 840X ASYM R	13.2 W	880 lm	4000 K	1360 mm	Input cable right	2.13 kg

Specifications

Light distribution	asymmetrical
Beam Characteristic	Wide Flood
Rated voltage AC	230 V~
Degree of protection	IP67, IP69, IP69K
Protection class	II
Optics	Clear
Beam angle direct	70° x 90°
Colour rendition Ra	85
Ambient temperature	-20 ... +50 °C
Width (B)	27 mm
Height (H)	30 mm
Installation depth (ET)	30 mm

Installation width (EB)	27 mm
Dimmable/Controllable	Yes
Housing colour	stainless steel
Mains frequency	50 Hz
Power factor 230V	0.52 ... 0.6
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Light outlet (LA)	L - 30 mm
Housing material	Stainless steel (V4A)
Cover material	PU grouting
Glow-wire testing	650 °C
Impact strength	IK10

Accessories

230 V connection set, 3 m cable conn. shrink hose

58928010

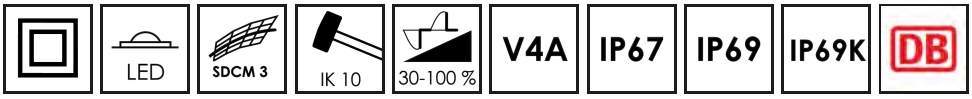
instalight 4020 LH

Encapsulated light insert 230 V

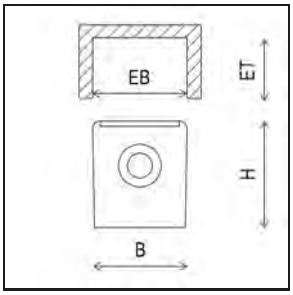
The universal light insert, made of V4A stainless steel, allows highly-efficient, contemporary illumination of traffic areas. The completely encapsulated LED light element can be integrated almost invisibly into handrail systems and supplies an even light distribution at a high light quality. In addition, this light insert stands out through a direct connection to the mains voltage and compatibility with standard dimmers.

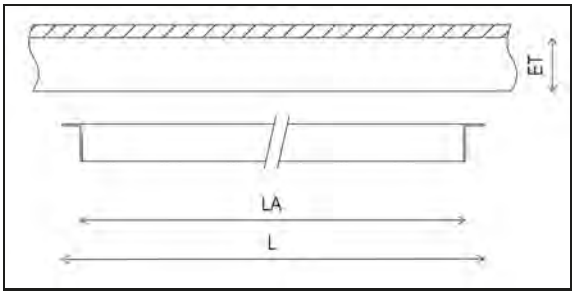
Main Features

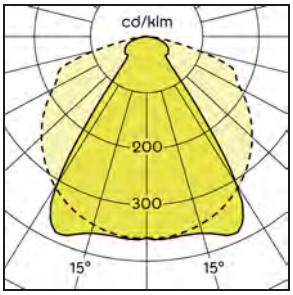
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Minimum installation and planning effort due to direct access to main voltage
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Light inserts with the color temperature 4000 K are DB-listed
> Project-related special lengths on request



Product Variations







69°

	P	Max. lumin. flux	Light colour	Length (L)	Length of light output (LA)	Weight
il 4020 LH 0350 830X C Hxxx	3.3 W	230 lm	3000 K	380 mm	350 mm	0.56 kg
il 4020 LH 0350 827X C Hxxx	3.3 W	230 lm	2700 K	380 mm	350 mm	0.56 kg
il 4020 LH 0350 840X C Hxxx	3.3 W	260 lm	4000 K	380 mm	350 mm	0.56 kg
il 4020 LH 0680 830X C Hxxx	6.6 W	470 lm	3000 K	710 mm	680 mm	1.08 kg
il 4020 LH 0680 827X C Hxxx	6.6 W	470 lm	2700 K	710 mm	680 mm	1.08 kg
il 4020 LH 0680 840X C Hxxx	6.6 W	520 lm	4000 K	710 mm	680 mm	1.08 kg
il 4020 LH 1005 827X C Hxxx	10 W	700 lm	2700 K	1035 mm	1005 mm	1.6 kg
il 4020 LH 1005 830X C Hxxx	10 W	700 lm	3000 K	1035 mm	1005 mm	1.6 kg
il 4020 LH 1005 840X C Hxxx	10 W	780 lm	4000 K	1035 mm	1005 mm	1.6 kg
il 4020 LH 1330 827X C Hxxx	13.2 W	940 lm	2700 K	1360 mm	1330 mm	2.13 kg
il 4020 LH 1330 830X C Hxxx	13.2 W	940 lm	3000 K	1360 mm	1330 mm	2.13 kg
il 4020 LH 1330 840X C Hxxx	13.2 W	1040 lm	4000 K	1360 mm	1330 mm	2.13 kg

Specifications

Optics	Clear
Beam angle direct	69°
Ambient temperature	-20 ... +50 °C
Width (B)	27 mm
Height (H)	30 mm
Dimmable/Controllable	Yes
Housing colour	stainless steel
Rated voltage AC	230 V ~
Mains frequency	50 Hz
Power factor λ	0.57
Input	3.3 ... 13.2 W
Degree of protection	IP67 / IP69 / IP69K
Efficiency class	A+

Protection class	II
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Installation depth (ET)	30 mm
Fitting width (EB)	27 mm
Light outlet (LA)	L - 30 mm
Connection mode	Crimp connector
Cable length	See order code
Housing material	Stainless steel (V4A)
Cover material	PU grouting
Glow-wire testing	650 °C
Weight	0.56 ... 2.13 kg
Impact strength	IK 10

Accessories

230 V connection set, 3 m cable conn. shrink hose

58928010

instalight 4020 LH ASYM

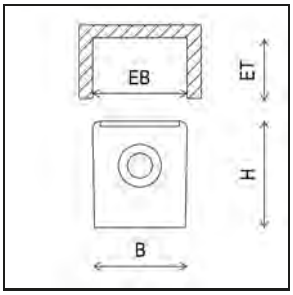
Asymmetrical light insert encapsulated 230 V

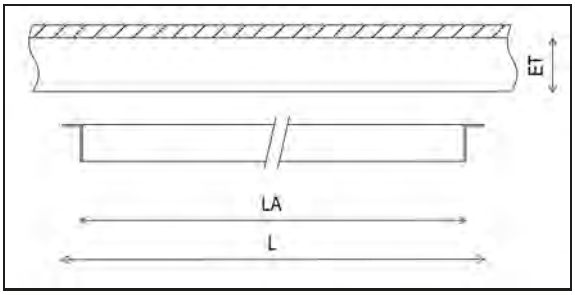
The universal light insert, made of V4A stainless steel with an asymmetrical light distribution, allows highly-efficient illumination of traffic areas. The completely encapsulated LED light element can be integrated almost invisibly into handrail. The LH variant is directly connected to the mains voltage and compatible with standard dimmers.

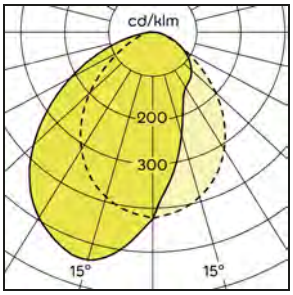
Main Features

> Asymmetrical beam characteristic for more consistency over a defined area
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Minimum installation and planning effort due to direct access to main voltage
> V4A stainless-steel housing for durable operation in an extreme environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Light inserts with the color temperature 4000 K are DB-listed
> Project-related special lengths on request

Product Variations







70° X 90°

	P	Max. lumin. flux	Light colour	Length (L)	Connection mode	Weight
il 4020 LH 0350 830X ASYM L	3.3 W	200 lm	3000 K	380 mm	Input cable left	0.56 kg
il 4020 LH 0350 827X ASYM L	3.3 W	200 lm	2700 K	380 mm	Input cable left	0.56 kg
il 4020 LH 0350 830X ASYM R	3.3 W	200 lm	3000 K	380 mm	Input cable right	0.56 kg
il 4020 LH 0350 827X ASYM R	3.3 W	200 lm	2700 K	380 mm	Input cable right	0.56 kg
il 4020 LH 0350 840X ASYM R	3.3 W	220 lm	4000 K	380 mm	Input cable right	0.56 kg
il 4020 LH 0350 840X ASYM L	3.3 W	220 lm	4000 K	380 mm	Input cable left	0.56 kg
il 4020 LH 0680 830X ASYM R	6.6 W	400 lm	3000 K	710 mm	Input cable right	1.08 kg
il 4020 LH 0680 827X ASYM R	6.6 W	400 lm	2700 K	710 mm	Input cable right	1.08 kg
il 4020 LH 0680 830X ASYM L	6.6 W	400 lm	3000 K	710 mm	Input cable left	1.08 kg
il 4020 LH 0680 827X ASYM L	6.6 W	400 lm	2700 K	710 mm	Input cable left	1.08 kg
il 4020 LH 0680 840X ASYM L	6.6 W	440 lm	4000 K	710 mm	Input cable left	1.08 kg
il 4020 LH 0680 840X ASYM R	6.6 W	440 lm	4000 K	710 mm	Input cable right	1.08 kg
il 4020 LH 1005 827X ASYM L	10.0 W	600 lm	2700 K	1035 mm	Input cable left	1.6 kg
il 4020 LH 1005 830X ASYM R	10.0 W	600 lm	3000 K	1035 mm	Input cable right	1.6 kg
il 4020 LH 1005 827X ASYM R	10.0 W	600 lm	2700 K	1035 mm	Input cable right	1.6 kg
il 4020 LH 1005 830X ASYM L	10.0 W	600 lm	3000 K	1035 mm	Input cable left	1.6 kg
il 4020 LH 1005 840X ASYM L	10.0 W	660 lm	4000 K	1035 mm	Input cable left	1.6 kg
il 4020 LH 1005 840X ASYM R	10.0 W	660 lm	4000 K	1035 mm	Input cable right	1.6 kg
il 4020 LH 1330 830X ASYM R	13.2 W	800 lm	3000 K	1360 mm	Input cable right	2.13 kg
il 4020 LH 1330 827X ASYM L	13.2 W	800 lm	2700 K	1360 mm	Input cable left	2.13 kg
il 4020 LH 1330 827X ASYM R	13.2 W	800 lm	2700 K	1360 mm	Input cable right	2.13 kg
il 4020 LH 1330 830X ASYM L	13.2 W	800 lm	3000 K	1360 mm	Input cable left	2.13 kg
il 4020 LH 1330 840X ASYM L	13.2 W	880 lm	4000 K	1360 mm	Input cable left	2.13 kg
il 4020 LH 1330 840X ASYM R	13.2 W	880 lm	4000 K	1360 mm	Input cable right	2.13 kg

Specifications

Light distribution	asymmetrical
Beam Characteristic	Wide Flood
Rated voltage AC	230 V~
Degree of protection	IP67, IP69, IP69K
Protection class	II
Optics	Clear
Beam angle direct	70° x 90°
Colour rendition Ra	85
Ambient temperature	-20 ... +50 °C
Width (B)	27 mm
Height (H)	30 mm
Installation depth (ET)	30 mm

Installation width (EB)	27 mm
Dimmable/Controllable	Yes
Housing colour	stainless steel
Mains frequency	50 Hz
Power factor 230V	0.52 ... 0.6
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Light outlet (LA)	L - 30 mm
Housing material	Stainless steel (V4A)
Cover material	PU grouting
Glow-wire testing	650 °C
Impact strength	IK10

Accessories

230 V connection set, 3 m cable conn. shrink hose

58928010

instalight 4020 LN

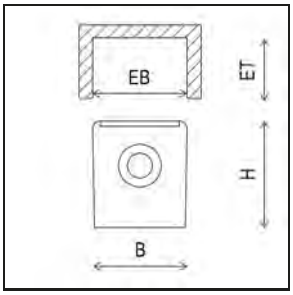
Encapsulated light insert

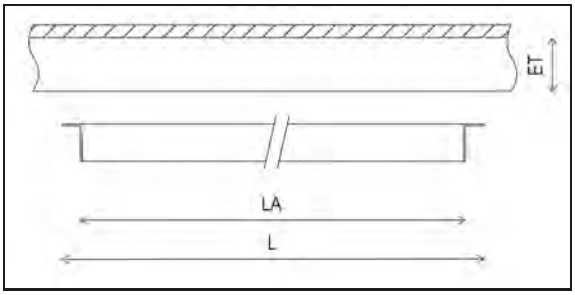
The universal light insert, made of V4A stainless steel, allows highly-efficient, contemporary illumination of traffic areas. The completely encapsulated LED light element can be integrated almost invisibly into handrail systems and supplies an even light distribution at a high light quality.

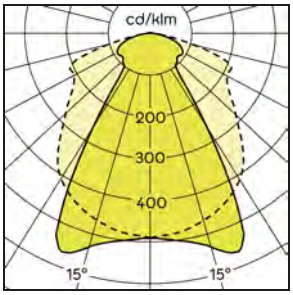
Main Features

> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request

Product Variations







61° X 103°

	P	Max. lumin. flux	Light colour	Length (L)	Length of light output (LA)	Weight
il 4020 LN 0350 827X C Hxxx	2.4 W	190 lm	2700 K	380 mm	350 mm	0.56 kg
il 4020 LN 0350 830X C Hxxx	2.4 W	190 lm	3000 K	380 mm	350 mm	0.56 kg
il 4020 LN 0350 840X C Hxxx	2.4 W	190 lm	4000 K	380 mm	350 mm	0.56 kg
il 4020 LN 0680 830X C Hxxx	4.8 W	380 lm	3000 K	710 mm	680 mm	1.08 kg
il 4020 LN 0680 827X C Hxxx	4.8 W	380 lm	2700 K	710 mm	680 mm	1.08 kg
il 4020 LN 0680 840X C Hxxx	4.8 W	380 lm	4000 K	710 mm	680 mm	1.08 kg
il 4020 LN 1005 827X C Hxxx	7.2 W	570 lm	2700 K	1035 mm	1005 mm	1.6 kg
il 4020 LN 1005 840X C Hxxx	7.2 W	570 lm	4000 K	1035 mm	1005 mm	1.6 kg
il 4020 LN 1005 830X C Hxxx	7.2 W	570 lm	3000 K	1035 mm	1005 mm	1.6 kg
il 4020 LN 1330 830X C Hxxx	9.6 W	760 lm	3000 K	1360 mm	1330 mm	2.13 kg
il 4020 LN 1330 840X C Hxxx	9.6 W	760 lm	4000 K	1360 mm	1330 mm	2.13 kg
il 4020 LN 1330 827X C Hxxx	9.6 W	760 lm	2700 K	1360 mm	1330 mm	2.13 kg

Specifications

Optics	Clear
Beam angle direct	61° x 103°
Luminous efficiency	79 lm/W
Ambient temperature	-25 ... +45 °C
Width (B)	27 mm
Height (H)	30 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used
Housing colour	stainless steel
Rated voltage DC	28 V SELV
Input	7.2 W/m
Degree of protection	IP 67, IP69, IP69K

Efficiency class	A+
Protection class	III
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Installation depth (ET)	30 mm
Fitting width (EB)	27 mm
Light outlet (LA)	L - 30 mm
Connection mode	Crimp connector
Housing material	Stainless steel
Cover material	PU grouting
Glow-wire testing	650 °C
Weight	1.6 kg/m
Impact strength	IK10

Accessories

Connector Set IP67 28V
58928011

SNT ELI 0-90W IP66
DCV 090 30 IP66 2

Supply Unit 0-57 W IP66
DCV 057 28 IP66 2

SNT ELI 0-110 W / 30 V
50930074

Supply unit 0-120 W / AM
58920027

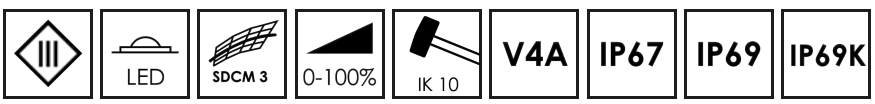
instalight 4020 LS ASYM

Asymmetrical light insert encapsulated

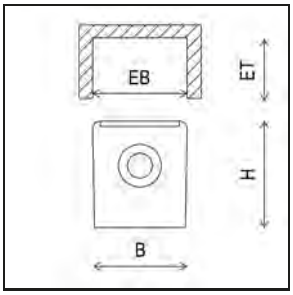
The universal light insert, made of V4A stainless steel with an asymmetrical light distribution, allows highly-efficient illumination of traffic areas. The completely encapsulated LED light element can be integrated almost invisibly into handrail.

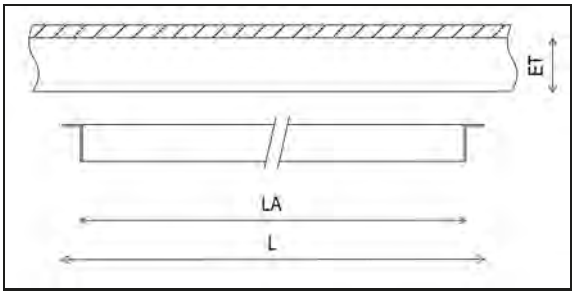
Main Features

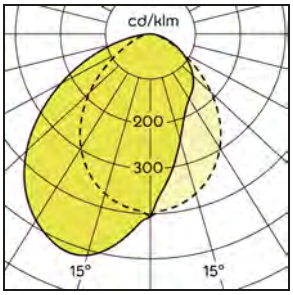
> Asymmetrical beam characteristic for more consistency over a defined area
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> V4A stainless-steel housing for durable operation in an extreme environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request



Product Variations







70° X 90°

	P	Max. lumin. flux	Light colour	Length (L)	Connection mode	Weight
il 4020 LS 0350 827X ASYM L	5.4 W	540 lm	2700 K	380 mm	Input cable left	0.56 kg
il 4020 LS 0350 827X ASYM R	5.4 W	540 lm	2700 K	380 mm	Input cable right	0.56 kg
il 4020 LS 0350 840X ASYM L	5.4 W	540 lm	4000 K	380 mm	Input cable left	0.56 kg
il 4020 LS 0350 840X ASYM R	5.4 W	540 lm	4000 K	380 mm	Input cable right	0.56 kg
il 4020 LS 0350 830X ASYM R	5.4 W	540 lm	3000 K	380 mm	Input cable right	0.56 kg
il 4020 LS 0350 830X ASYM L	5.4 W	540 lm	3000 K	380 mm	Input cable left	0.56 kg
il 4020 LS 0680 840X ASYM R	10.8 W	1080 lm	4000 K	710 mm	Input cable right	1.08 kg
il 4020 LS 0680 840X ASYM L	10.8 W	1080 lm	4000 K	710 mm	Input cable left	1.08 kg
il 4020 LS 0680 827X ASYM L	10.8 W	1080 lm	2700 K	710 mm	Input cable left	1.08 kg
il 4020 LS 0680 827X ASYM R	10.8 W	1080 lm	2700 K	710 mm	Input cable right	1.08 kg
il 4020 LS 0680 830X ASYM L	10.8 W	1080 lm	3000 K	710 mm	Input cable left	1.08 kg
il 4020 LS 0680 830X ASYM R	10.8 W	1080 lm	3000 K	710 mm	Input cable right	1.08 kg
il 4020 LS 1005 840X ASYM R	16 W	1620 lm	4000 K	1035 mm	Input cable right	1.6 kg
il 4020 LS 1005 840X ASYM L	16 W	1620 lm	4000 K	1035 mm	Input cable left	1.6 kg
il 4020 LS 1005 827X ASYM L	16 W	1620 lm	2700 K	1035 mm	Input cable left	1.6 kg
il 4020 LS 1005 827X ASYM R	16 W	1620 lm	2700 K	1035 mm	Input cable right	1.6 kg
il 4020 LS 1005 830X ASYM R	16 W	1620 lm	3000 K	1035 mm	Input cable right	1.6 kg
il 4020 LS 1005 830X ASYM L	16 W	1620 lm	3000 K	1035 mm	Input cable left	1.6 kg
il 4020 LS 1330 840X ASYM L	21.4 W	2160 lm	4000 K	1360 mm	Input cable left	2.13 kg
il 4020 LS 1330 830X ASYM L	21.4 W	2160 lm	3000 K	1360 mm	Input cable left	2.13 kg
il 4020 LS 1330 830X ASYM R	21.4 W	2160 lm	3000 K	1360 mm	Input cable right	2.13 kg
il 4020 LS 1330 840X ASYM R	21.4 W	2160 lm	4000 K	1360 mm	Input cable right	2.13 kg
il 4020 LS 1330 827X ASYM L	21.4 W	2160 lm	2700 K	1360 mm	Input cable left	2.13 kg
il 4020 LS 1330 827X ASYM R	21.4 W	2160 lm	2700 K	1360 mm	Input cable right	2.13 kg

Specifications

Light distribution	asymmetrical
Beam Characteristic	Wide Flood
Rated voltage DC	28 V SELV
Degree of protection	IP67, IP69, IP69K
Protection class	III
Optics	Clear
Beam angle direct	70° x 90°
Colour rendition Ra	85
Ambient temperature	-25 ... +45 °C
Width (B)	27 mm
Height (H)	30 mm

Installation depth (ET)	30 mm
Installation width (EB)	27 mm
Dimmable/Controllable	Yes
Interface	Depending on the ballast used
Housing colour	stainless steel
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Light outlet (LA)	L - 30 mm
Housing material	Stainless steel (V4A)
Cover material	PU grouting
Glow-wire testing	650 °C
Impact strength	IK10

Accessories

Connector Set IP67 28V
58928011

Supply Unit 0-57 W IP66
DCV 057 28 IP66 2

Supply unit 0-120 W / AM
58920027

SNT ELI 0-90W IP66
DCV 090 30 IP66 2

SNT ELI 0-110 W / 30 V
50930074

instalight 4020 LS

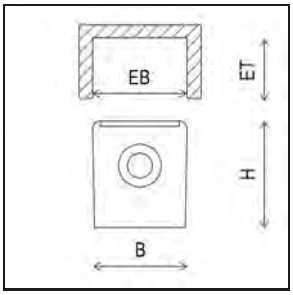
Encapsulated light insert

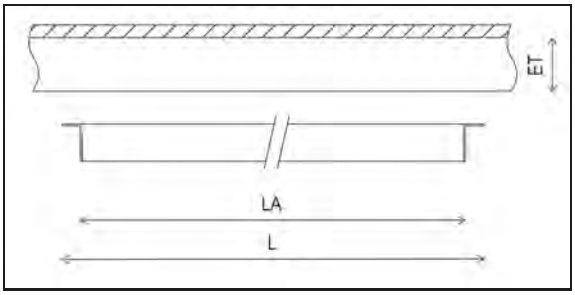
The powerful universal light insert, made of V4A stainless steel, allows highly-efficient, contemporary illumination of traffic areas. The completely encapsulated LED light element can be integrated almost invisibly into handrail systems and supplies an even light distribution at a high light quality.

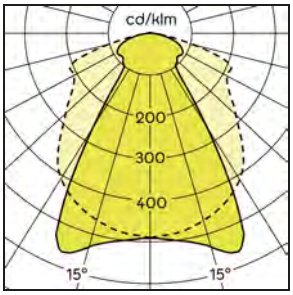
Main Features

> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request

Product Variations







61° X 103°

	P	Max. lumin. flux	Light colour	Length (L)	Length of light output (LA)	Weight
il 4020 LS 0350 840X C Hxxx	5.4 W	540 lm	4000 K	380 mm	350 mm	0.56 kg
il 4020 LS 0350 827X C Hxxx	5.4 W	540 lm	2700 K	380 mm	350 mm	0.56 kg
il 4020 LS 0350 830X C Hxxx	5.4 W	540 lm	3000 K	380 mm	350 mm	0.56 kg
il 4020 LS 0680 840X C Hxxx	10.8 W	1080 lm	4000 K	710 mm	680 mm	1.08 kg
il 4020 LS 0680 827X C Hxxx	10.8 W	1080 lm	2700 K	710 mm	680 mm	1.08 kg
il 4020 LS 0680 830X C Hxxx	10.8 W	1080 lm	3000 K	710 mm	680 mm	1.08 kg
il 4020 LS 1005 840X C Hxxx	16 W	1620 lm	4000 K	1035 mm	1005 mm	1.6 kg
il 4020 LS 1005 827X C Hxxx	16 W	1620 lm	2700 K	1035 mm	1005 mm	1.6 kg
il 4020 LS 1005 830X C Hxxx	16 W	1620 lm	3000 K	1035 mm	1005 mm	1.6 kg
il 4020 LS 1330 830X C Hxxx	21.4 W	2160 lm	3000 K	1360 mm	1330 mm	2.13 kg
il 4020 LS 1330 827X C Hxxx	21.4 W	2160 lm	2700 K	1360 mm	1330 mm	2.13 kg
il 4020 LS 1330 840X C Hxxx	21.4 W	2160 lm	4000 K	1360 mm	1330 mm	2.13 kg

Specifications

Degree of protection	IP67, IP69, IP69K
Protection class	III
Optics	Clear
Beam angle direct	61° x 103°
Colour rendition Ra	85
Ambient temperature	-25 ... +45 °C
Width (B)	27 mm
Height (H)	30 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used
Housing colour	stainless steel

Rated voltage DC	28 V SELV
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Installation depth (ET)	30 mm
Fitting width (EB)	27 mm
Light outlet (LA)	L - 30 mm
Connection mode	Circular connector / Shrink tubing
Housing material	Stainless steel (V4A)
Cover material	PU grouting
Glow-wire testing	650 °C
Weight	1.6 kg/m
Impact strength	IK10

Accessories

Connector Set IP67 28V
58928011

SNT ELI 0-90W IP66
DCV 090 30 IP66 2

Supply Unit 0-57 W IP66
DCV 057 28 IP66 2

Supply unit 0-120 W / AM
58920027

SNT ELI 0-110 W / 30 V
50930074

instalight 4020 DB

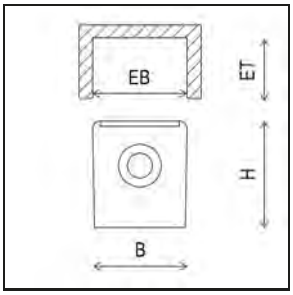
Encapsulated light insert

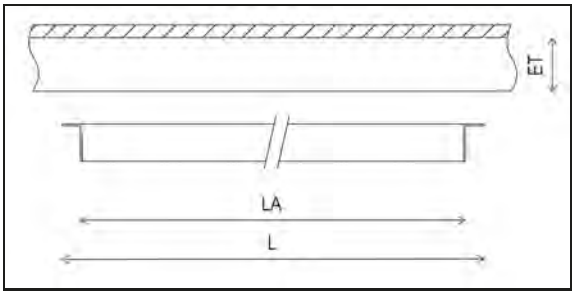
The powerful universal light insert, made of V4A stainless steel, allows highly-efficient, contemporary illumination of traffic areas. The completely encapsulated LED light element can be integrated almost invisibly into handrail systems and supplies an even light distribution at a high light quality.

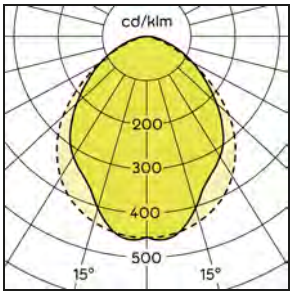
Main Features

> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> V4A stainless-steel housing for durable operation in an external environment
> Maintenance-free and safe from vandalism thanks to impact-resistant full grouting
> Listed for use at the Deutsche Bahn AG
> IP69: According to ISO 20653 (standard including cleaning with high-pressure hot vapour cleaner)
> IP69K: According to EN DIN 40050-9 (standard including cleaning with high-pressure hot vapour cleaner)
> Project-related special lengths on request

Product Variations







70° X 120°

	P	Max. lumin. flux	Length (L)	Weight
il 4020 DB 0380 NWH K	4.9 W	320 lm	380 mm	0.61 kg
il 4020 DB 0710 NWH K	9.9 W	670 lm	710 mm	1.14 kg
il 4020 DB 1035 NWH K	14.9 W	1000 lm	1035 mm	1.7 kg
il 4020 DB 1360 NWH K	19.8 W	1350 lm	1360 mm	2.08 kg

Specifications

DB-listed	Yes
Degree of protection	IP67, IP69, IP69K
Efficiency class	A
Protection class	III
Optics	Clear
Beam angle direct	70° x 120°
Light colour	4000 K
Ambient temperature	-25 ... +45 °C
Width (B)	27 mm
Height (H)	30 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used

Housing colour	stainless steel
Rated voltage DC	28 V SELV
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	60,000 h
Installation depth (ET)	30 mm
Fitting width (EB)	27 mm
Light outlet (LA)	L - 30 mm
Connection mode	Plug connector
Housing material	Stainless steel
Cover material	PU grouting
Weight	1.6 kg/m
Impact strength	IK10

Accessories

Groove cover 100 mm
IL 4020 P 100 27

Groove cover 70 mm
IL 4020 P 070 27

Sealing plug IP67
IL 4020 AS1 IP67

SNT ELI 0-90W IP66
DCV 090 30 IP66 2

Supply Unit 0-57 W IP66
DCV 057 28 IP66 2

Adapter cable IP67
IL 4020 LK 3000

Adapter cable IP67
IL 4020 LK 5000

Adapter cable IP67
IL 4020 LK 10 000

Extension cable il 4020 DB 0,2m
IL 4020 ZL 201 01

Extension cable il 4020 DB 0,5m
IL 4020 ZL 501 01

Extension cable il 4020 DB 0,61m
IL 4020 ZL 611 01

Extension cable il 4020 DB 1,0 m
IL 4020 ZL 102 01

Extension cable il 4020 DB 1,5 m
IL 4020 ZL 152 01

Extension cable il 4020 DB 0,2m
IL 4020 ZL 202 01

Extension cable il 4020 DB 0,2m
IL 4020 ZL 252 01

Völkerschlachtdenkmal, Leipzig
Germany
Photo: Boris Golz

Central bus station Bochum

Bochum, Germany

REFERENCE

Realisation: 2018

Building owner: City of Bochum, Germany

Architecture: Dipl.-Ing. Heinrich Böll

Lighting design: KOBER LICHTPLANER

Photo: Boris Golz

Light line system indoor/outdoor

instalight 4010

Facade illumination in perfection.

The delicate light line allows visually flawless contouring of facades and architectural lines. Reduced to a minimum of material the instalight 4010 in its slim refined steel profile with 3 different optics on request supports the architectural building character at night but, during daylight, recedes almost invisibly into the background. Controlled with instalight Vario or instalight Control, whether monochrom, Tuneable white, RGB or RGBW, instalight 4010 is the perfect linear system for the facade.

> instalight 4010

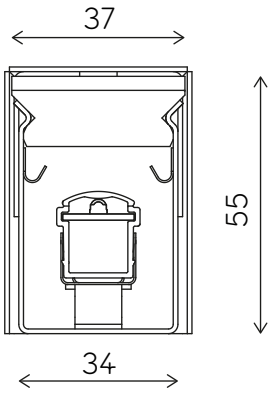
> instalight 4010 DB

instalight 4010
System diagram

instalight 4010 is a high-quality system of corrosion-resistant refined steel and UV-resistant acrylic covers with high-grade optical characteristics.

Mounting is possible in horizontal and vertical position whereat it reaches degree of protection IP64. All LED inserts out of the LEDLUX linear programme can be integrated mechanically without tools.

> instalight 4010

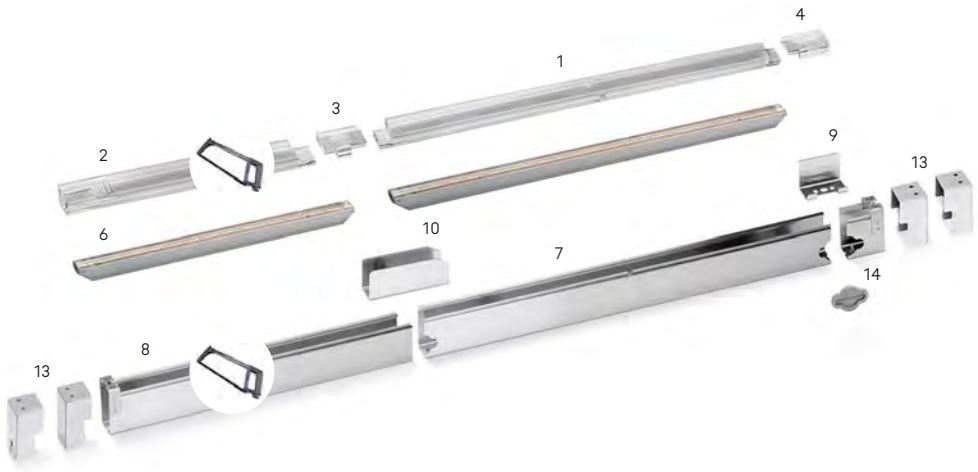


> clear optics

> Micro-Line optics

> translucent optics

Refined steel supporting rail system



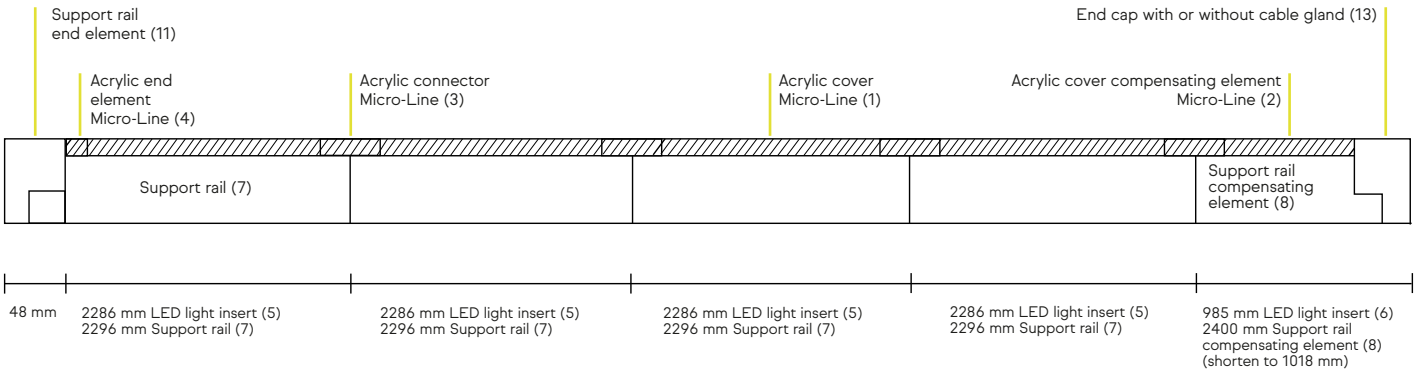
To be shortened individually by means of a variable compensating element.

System components

1 Acrylic cover
2 Acrylic cover compensating element
3 Acrylic connector
4 Acrylic end element
5 LED light insert LEDLUX linear
6 LED light insert LEDLUX linear, short
7 Support rail, different standard lengths
8 Support rail compensating element
9 Support rail connector
10 Compensating element connector
11 Support rail end element, right
12 Support rail end element, left
13 End cap with or without cable gland
14 Rubber grommet for cable gland
15 Retaining bracket for LED light insert
16 Holding-down clamp for cable

Example

Calculation for 10250 mm instalight 4010 with LEDLUX linear and Micro-Line optics



instalight 4010

System components

Acrylic cover

› in different lengths
› for Micro-Line, translucent or clear

Version	Length (mm)	Article-No.
Translucent for LEDLUX linear	2273	58926480
Translucent for LEDLUX linear	639	58926481
Micro-Line for LEDLUX linear	2273	58926470
Micro-Line for LEDLUX linear	639	58926471
Clear for LEDLUX linear	2273	58926490
Clear for LEDLUX linear	639	58926491

Acrylic connector

› for Micro-Line, translucent or clear

Version	Length (mm)	Article-No.
Translucent for LEDLUX linear	45	58926087
Micro-Line for LEDLUX linear	45	58926077
Clear for LEDLUX linear	45	58926097

Acrylic end element

› for Micro-Line, translucent or clear

Translucent for LEDLUX linear	52	58926088
Micro-Line for LEDLUX linear	52	58926078
Clear for LEDLUX linear	52	58926098

Acrylic cover compensating element

› to be shortened individually
› for Micro-Line, translucent or clear

Version	Length (mm)	Article-No.
Translucent for LEDLUX linear	2373	58926482
Translucent for LEDLUX linear	573,5	58926086
Micro-Line for LEDLUX linear	2373	58926472
Micro-Line for LEDLUX linear	573,5	58926076
Clear for LEDLUX linear	2373	58926492
Clear for LEDLUX linear	573,5	58926096

LED light insert LEDLUX linear

› in different lengths
› Monochrome or RGB
› in the light insert types LX, LN, LH, LS, RGB, RGBW and TW

Version	
LEDLUX linear LH	see order information
LEDLUX linear LN	see order information
LEDLUX linear LS	see order information
LEDLUX linear LX TW (Tunable White)	see order information
LEDLUX linear RGB	see order information
LEDLUX linear RGBW	see order information

Support rail for LEDLUX with accessories

› vertical/horizontal, of refined steel
› different standard lengths
› with holding-down clamp for cable

For LED light insert LEDLUX linear LH, LN, LS, TW, RGB and RGBW

Direction	Length (mm)	Article-No.
horizontal	2296	58926440
horizontal	662	58926441
vertical	2296	58926430
vertical	662	58926431

Support rail connector

› on demand, to be used to close or open the cable gland

Rubber grommet

› for cable gland support rail

Support rail compensating element

› vertical/horizontal

Support rail compensating element

› Refined steel, to be shortened individually up tp 150 mm

Compensation element connector end cap

› with cable gland

Rubber grommet

› for cable gland support rail

For LED light insert LEDLUX linear LH, LN, LS, TW, RGB and RGBW

Direction	Version	Length (mm)	Article-No.
horizontal/ vertical	with cable gland	603	58926056
horizontal/ vertical	without cable gland	603	58926055

Support rail compensating element

› vertical/horizontal

Support rail compensating element

› Refined steel, to be shortened individually up tp 150 mm

Compensating element connector Please order end cap seperately

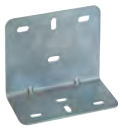
For light insert LEDLUX linear LH, LN, LS, TW, RGB and RGBW

Direction	Length (mm)	Article-No.
horizontal	2400	58926451
vertical	2400	58926450

End cap for Support rail compensating element
2400 mm

For light insert LEDLUX linear LH, LN, LS, TW, RGB and RGBW

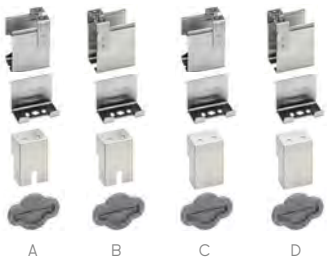
Direction	Article-No.
with cable gland	58926063
without cable gland	58926064



Roof fastening

› Mounting angle for LED support rails

Dimensions L x W x H (mm)	Article-No.
125 x 65 x 100	58926062



Support rail end element set

Support rail end element
› left or right

Support rail connector
› on demand, to be used to close or open the cable gland

End cap
› with or without cable gland

Rubber grommet for cable gland support rail

LED light insert LEDLUX linear LH, LN, LS, TW, RGB and RGBW

Direction	Version	Length (mm)	Article-No.
A left	with cable gland	48	58926053
B right	with cable gland	48	58926054
C left	without cable gland	48	58926051
D right	without cable gland	48	58926052

instalight 4010
Product characteristics

InstaLighting

LED PREMIUM TECHNOLOGIE

MADE IN GERMANY

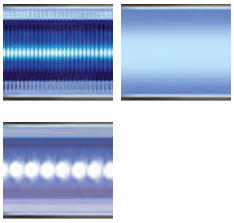
Quality

- Corrosion-resistant refined steel support rails and components
- UV-resistent acrylic covers
- acrylic covers with good optical characteristics (transmittance)

Cost savings

Economic operation

- Longest possible service life for LED and profilated system
- Minimal maintenance work for the system
- Optimal control possibilities
- Integration into all building installation systems
- Low energy consumption
- Short mounting time
- Reduction of mounting costs by tool-less mounting of the acrylic cover and the LEDLUX light inserts



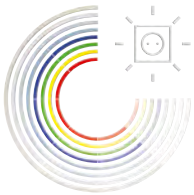
Luminous effect

- Cover Micro Line, narrow light diffusion
- Cover translucent, broad light diffusion
- Cover clear

Variability

- For use in horizontal and vertical construction
- For front light output
- Small section allows „inconspicuous“ mounting in existing openings

> Freedom in colour design and intensity:
choose one of the light insert types out of the LEDLUX system

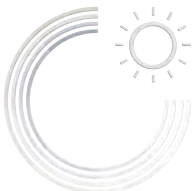


LEDLUX LH

- To be connected to 230 V direct
- To be equipped either with single-colour white LED or monochrome in the colours red, green, blue or yellow
- Integrated power supply unit, protective isolation

LEDLUX LN

- Low-voltage luminaire for ambient lighting or lighting tasks with medium luminous intensity
- To be equipped either with single-colour white LED or monochrome in the colours red, green, blue or yellow



LEDLUX LS

- For lighting tasks with intensive and high-quality white light
- Energy-efficient, maintenance-free and space-saving
- Up to 84 lm/W

LEDLUX LX TW

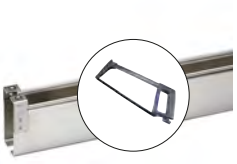
- Tunable White Technology for precisely adjustable colour temperature
- Dimmable

LEDLUX LX RGB

- Complete colour range in RGB
- Mixed colours, Corporate Colour

LEDLUX LX RGBW

- Combination of RGB- and white light LED for highly saturated colours and brilliant white light
- Separate control of RGB and share of white light



Fitting accuracy

- The support rail compensating element can be shortened and fitted precisely at the place of mounting
- The LED light inserts can be ordered in different lengths
- The LED light inserts for the compensating element are fitted precisely by InstaLighting for the relevant project

Securing against movement

- Retaining collar as protection against sliding of the acrylic cover in case of vertical mounting
- Defined material expansion of the acrylic

Holding-down clamp for cable

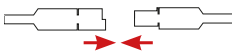
- Retains lateral cables in position
- Entertainment of up to 4 cables Ölflex Robust 210.3 x 1 mm²
- No slipping of the cables over the LED optics

Cable gland

- Support rail connector with different functions
- The entrainment of up to 4 cables (for the supply of up to 4 LED light inserts) in the support rail is possible

Tool-less mounting

- The LEDLUX light inserts can be snapped into pre-mounted profilated retaining clamps in the il 4010 profile
- The acrylic cover is to be snapped into the V-groove of the support rails
- Reduction of mounting time



e.g. with plug connector IP67

Easy to install

- Mounting of the profilated system requires only minimal adjustment
- Parts in the set, incl. screws, nuts, etc. Fastening tools for fastening on site is to be provided by the customer
- Connection of the LED light inserts to the mains power supply plug-in system (only NV)
- Cable ends also available with wire-end sleeves, Cable lengths in 1 m 2 m or 5 m. Project-related solutions on request

Through-wiring of LEDLUX light inserts

- Reduction of the number of feed-in points by chaining of light inserts (3 or 2)
- Dimensioning can be effected by InstaLighting

Project design / offer

InstaLighting offers help in project design and preparation of a quotation for your project.

Functional safety

Comfortable light and luminaire management

Single-sourced control. Fail-safe. For a good, trouble-free inventment into the future.

Everything is possible. For small, single-room control solutions up to large control solutions including several rooms with bus systems like KNX. With commonly tuned devices and systems, controls and luminaires InstaLighting as daughter company of Insta, Gira and Jung provides for comfortable light management and thus offers the customer a sound investment into the future. In one customer project e.g. the following sensors and actuators for a comfortable control can be used:

- Time controls
- Wireless controls via RF
- Integration of DMX, DALI, eNet, KNX
- Sensor for Twilight, rain, wind, movement detection
- From simple ON/OFF switches through to operation panels and mobile devices like smart phones, etc.

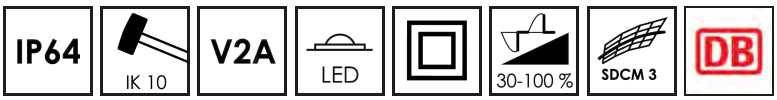
instalight 4010 LH

Light line system indoor/outdoor 230 V

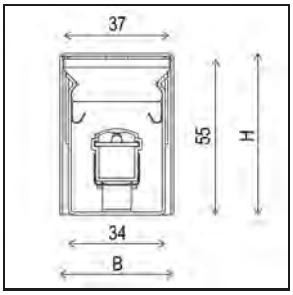
The light line system serves as an ideal tool for effective building accentuation. Reduced to a minimum of material in mechanical terms, the LED light line supports the architectural building character but, when switched off, recedes almost invisibly into the background. In addition, the light insert stands out through a direct connection to the mains voltage and compatibility with standard dimmers.

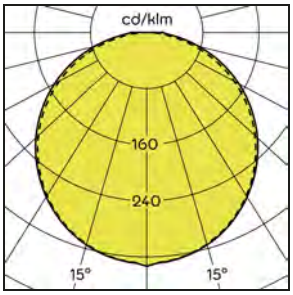
Main Features

> Modular component system guarantees maximum design flexibility and scalability in the object
> Exchangeable acrylic covers for variable light effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Revisable and upgradeable LED technology
> Various light inserts ensure flexibility in the application
> V2A stainless-steel housing for durable operation in an extreme environment
> Light inserts with the color temperature 4000 K are DB-listed

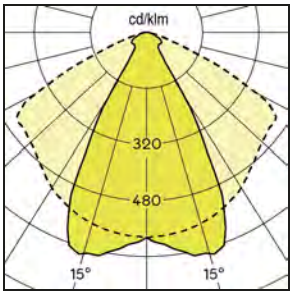


Product Variations

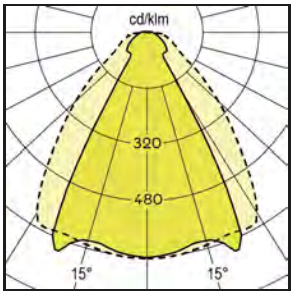




120°



60°, CLEAR



60°, MICRO LINE

	Optics	Optics dir.	Max. lumin. flux
il 4010 LH CL	Clear	60°	670 lm
il 4010 LH ML	Micro Line	60°	560 lm
il 4010 LH TL	Satined	120°	425 lm

Specifications

Rated voltage AC	230 V	**Height (H)**	57 mm
Power consumption	10 W/m	**Dimmable/Controllable**	Yes
Protection class	II	**Weight**	2.2 kg/m
Light colour	2700 K / 3000 K / 4000 K	**Material**	Stainless steel
Width (B)	40 mm	**Impact strength**	IK10

instalight 4010 LN/LS

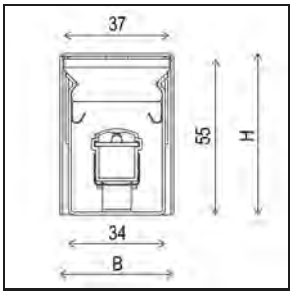
Light line system indoor/outdoor

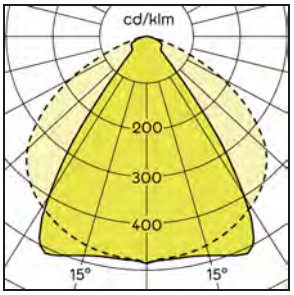
The light line system serves as an ideal tool for effective building accentuation. Reduced to a minimum of material in mechanical terms, the LED light line supports the architectural building character but, when switched off, recedes almost invisibly into the background.

Main Features

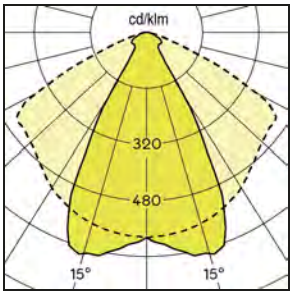
> Modular component system guarantees maximum design flexibility and scalability in the object
> Exchangeable acrylic covers for variable light effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Revisable and upgradeable LED technology
> Various light inserts ensure flexibility in the application
> V2A stainless-steel housing for durable operation in an extreme environment
> Light inserts instalight 4010 LS with the color temperature 4000 K are DB-listed

Product Variations

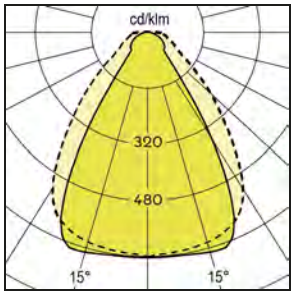




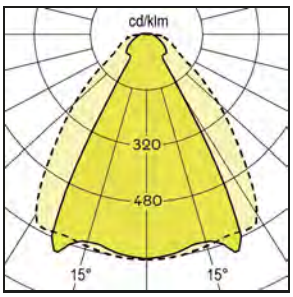
CLEAR, 1380 LM/M



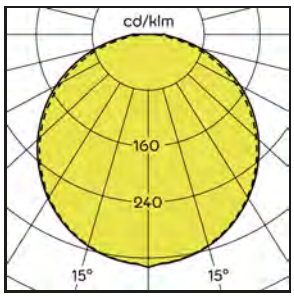
CLEAR, 490 LM/M



MICRO LINE, 1130 LM/M



MICRO LINE, 410 LM/M



SATINED, 120°

	P	Optics	Optics dir.	Max. lumin. flux
il 4010 LN CL	7.2 W/m	Clear	60°	490 lm
il 4010 LN ML	7.2 W/m	Micro Line	60°	410 lm
il 4010 LN TL	7.2 W/m	Satined	120°	310 lm
il 4010 LS CL	16 W/m	Clear	60°	1380 lm
il 4010 LS ML	16 W/m	Micro Line	60°	1130 lm
il 4010 LS TL	16 W/m	Satined	120°	870 lm

Specifications

Rated voltage DC	28 V SELV
Protection class	III
Light colour	2700 K / 3000 K / 4000 K
Colour rendition Ra	85
Width (B)	40 mm

Height (H)	57 mm
Dimmable/Controllable	Yes
Interface	Depending on the ballast used
Weight	2.2 kg/m
Material	Stainless steel
Impact strength	IK10

Accessories

SNT ELI 0-110 W / 30 V
50930074

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-90W IP66
DCV 090 30 IP66 2

Supply Unit 0-57 W IP66
DCV 057 28 IP66 2

instalight 4010 LX

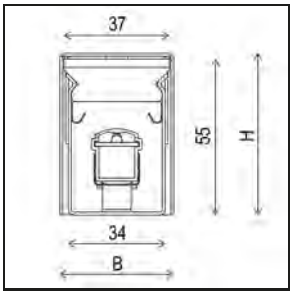
Light line system indoor/outdoor RGB, RGBW, TW

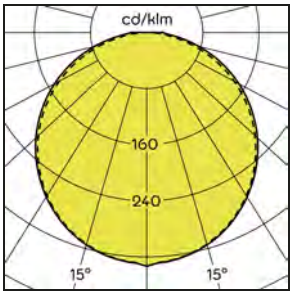
The light line system serves as an ideal tool for effective building accentuation. Reduced to a minimum of material in mechanical terms, the LED light line supports the architectural building character but, when switched off, recedes almost invisibly into the background.

Main Features

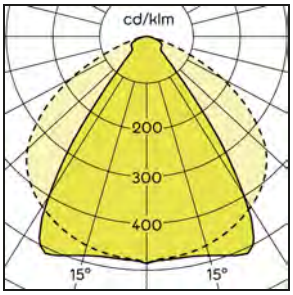
> Modular component system guarantees maximum design flexibility and scalability in the object
> Exchangeable acrylic covers for variable light effect
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Revisable and upgradeable LED technology
> Various light inserts ensure flexibility in the application
> V2A stainless-steel housing for durable operation in an extreme environment

Product Variations

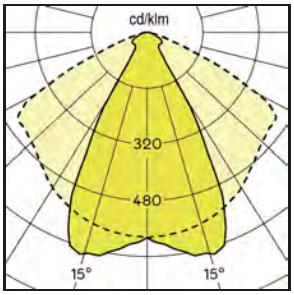




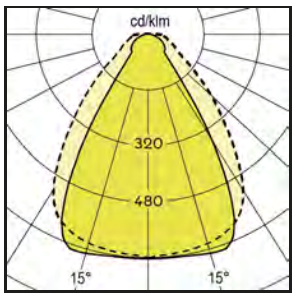
120°



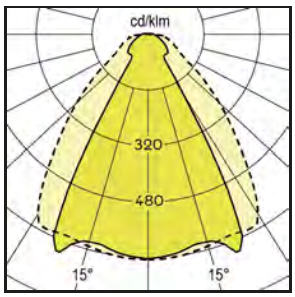
CLEAR, 1015 LM/M



CLEAR, RGB



MICRO LINE, 845 LM/M



MICRO LINE, RGB

	P	Optics	Optics dir.	Max. lumin. flux	Light colour
il 4010 LX RGB CL	16 W/m	Clear	60°	102 lm	RGB
il 4010 LX RGB ML	16 W/m	Micro Line	60°	72 lm	RGB
il 4010 LX RGB TL	16 W/m	Satined	120°	64 lm	RGB
il 4010 LX RGBW CL	16.2 W/m	Clear	60°	208 lm	RGBW
il 4010 LX RGBW ML	16.2 W/m	Micro Line	60°	173 lm	RGBW
il 4010 LX RGBW TL	16.2 W/m	Satined	120°	132 lm	RGBW
il 4010 LX TW CL	18.9 W/m	Clear	60°	1015 lm	2700 ... 6500 K
il 4010 LX TW ML	18.9 W/m	Micro Line	60°	845 lm	2700 ... 6500 K
il 4010 LX TW TL	18.9 W/m	Satined	120°	645 lm	2700 ... 6500 K

Specifications

Rated voltage DC	28 V SELV
Protection class	III
Width (B)	40 mm
Height (H)	57 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX

Weight	2.2 kg/m
Rated voltage	Depending on light use
Degree of protection	IP 64
Dimensions	40 x 57 mm (WxH), variable length
Material	Stainless steel
Impact strength	IK10

Accessories

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

SNT ELI 0-110 W / 30 V
50930074

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

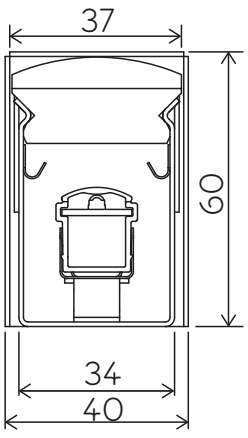
instalight 4010 DB
System diagram

The delicate light line allows visually flawless contouring of facades and architectural lines. Mechanically reduced to a minimum of material, instalight 4010 DB in the slim refined steel profile with ±5° optics supports the architectural character of a building at night, recedes to the background nearly invisibly during daytime.

Dimmed with instalight Vario or instalight Control, instalight 4010 DB is the perfect linear system for the facade.

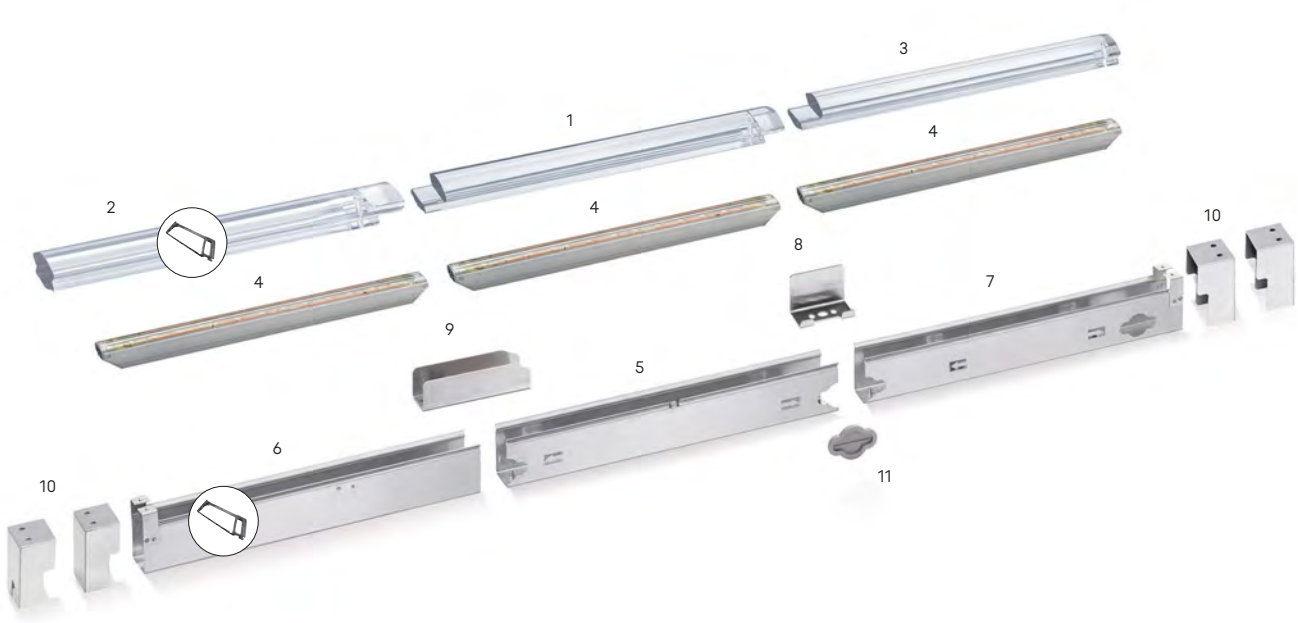
instalight 4010 DB is made of non-corrosive stainless steel and UV resistant acrylic covers and has high-grade optical characteristics. Mounting is possible in horizontal and vertical position whereat it reaches degree of protection IP66.

> instalight 4010 DB



> clear optics

Refined steel supporting rail system



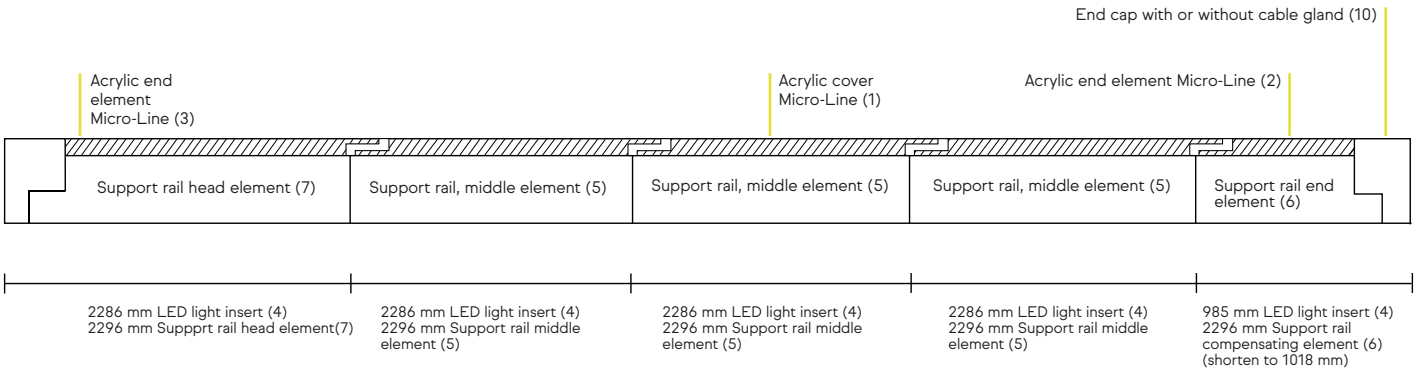
To be shortened individually by means of a variable compensating element.

System components

1 Acrylic cover
2 Acrylic cover compensating element
3 Acrylic end element
4 LED light insert LEDLUX linear
5 Support rail, middle element
6 Support rail compensating element / end element
7 Support rail head element
8 Support rail connector
9 Compensating element connector
10 End cap with or without cable gland
11 Rubber grommet for cable gland
12 Retaining bracket for LED light insert
13 Holding-down clamp for cable

Example

Calculation for 10250 mm instalight 4010 DB with LEDLUX linear and Micro-Line optics



instalight 4010 DB

System components

DB listed

Head element

› Acrylic optics clear
› Radiation angle ±5°

Version	Length (mm)	Article-No.
clear +/-5° for LEDLUX linear LS DB	2296	88900131

Middle element

› Acrylic optics clear
› Radiation angle ±5°

Version	Length (mm)	Article-No.
clear +/-5° for LEDLUX linear LS DB	2296	88900132

Compensating/end element

› Acrylic optics clear
› Radiation angle ±5°

Version	Length (mm)	Article-No.
clear +/-5° for LEDLUX linear LS DB	2400	88900133

LED light insert LEDLUX linear

› in different lengths
› Monochrome
› Light insert type LS
› DB-version Φ_v (rated) 875 lm/m

Version		
LEDLUX linear LS DB	4000 K DB	see Order Information

Support rail middle element

› vertical/horizontal, of refined steel
› with holding-down clamp for cable

For LED light insert LEDLUX linear LS DB 2286 mm

Direction	Length (mm)	Article-No.
horizontal / vertical	2296	78900073

Support rail connector
› on demand, to be used to close or open the cable gland

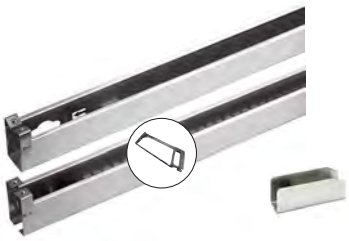
Support rail connector + rubber grommet (set) for cable gland support rail (50 x 32 x 35 mm) 79090012

Rubber grommet
› for cable gland support rail

Support rail head element
› vertical/horizontal, of refined steel
Support rail connector
› on demand, to be used to close or open the cable gland
Rubber grommet
› for cable gland support rail
End cap
› please order separately

For LED light insert LEDLUX linear LS DB 2286 mm

Direction	Length (mm)	Article-No.
horizontal / vertical	2296	78900072
Support rail connector + rubber grommet (set) for cable gland support rail (50 x 32 x 35 mm)		79090012



Support rail compensating/ end element

› vertical/horizontal
Support rail compensating element
› Refined steel, to be shortened individually, up to 150 mm
Compensating element connector
› Please order end cap separately

For LED light insert LEDLUX linear LS DB

Direction	Length (mm)	ArtIcle-No.
horizontal / vertical	2400	78900074
Compensating element connector		79090027

End cap for Support rail compensating element
2400 mm + head element

› Length 40 mm
Width 33 mm
Height 60 mm

For LED light insert LEDLUX linear LS DB

Direction	Article-No.
with cable gland	79090025
without cable gland	79090024

Supply unit 0-90 W IP 66

› Protection class II
› Length 254 mm
Width 180 mm
Height 90 mm

Version	Article-No.
Supply unit for up to 4.5 m instalight 4010 DB	DCV 090 30 IP66 2

Supply unit 0-57 W IP 66

› Protection class II
› Length 320 mm
Width 100 mm
Height 81 mm

Version	Article-No.
Supply unit for up to 3 m instalight 4010 DB	DCV 057 28 IP66 2

Repair kid

› Length 220 mm
Width 157 mm
Height 84 mm

Version	Article-No.
for supply unit DCV 090 30 IP66 2	R DCV 090 30 IP66 2

Repair kid

› Lenght 190 mm
Width 80 mm
Hight 50 mm

Version	Article-No.
for supply unit DCV 057 28 IP66 2	R DCV 057 28 IP66 2

instalight 4010 DB

Product charateristics

listed

InstaLighting

LED PREMIUM TECHNOLOGIE

MADE IN GERMANY

Quality

› Corrosion-resistant refined steel support rails and components
› UV-resistent acrylic covers
› acrylic covers with good optical characteristics (transmittance)

Cost savings

Economic operation

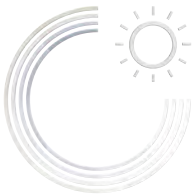
› Longest possible service life for LED and prfilated system
› Minimal maintenance work for the system
› Optimal control possibilities
› Integration into all building installation systems
› Low energy consumption
› Short mounting time
› Reduction of mounting costs by tool-less mounting of the acrylic cover and the LEDLUX light inserts

Luminous effect

› Cover clear, ±5°

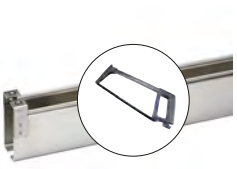
Variability

› For use in horizontal and vertical construtions
› Small section allows „inconspicuous“ mounting in existing openings



LEDLUX LS DB

› For lighting tasks with intensive and high-quality white light
› Energy-efficient, maintenance-free and space-saving
› Up to 46 lm/W



Fitting accuracy

› The support rail compensating element can be shortened and fitted precisely at the place of mounting
› The LED light inserts can be ordered in different lengths
› The LED light inserts for the compensating element are fitted precisely by InstaLighting for the relevant project

Securing against movement

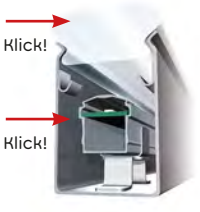
› Retaining collar as protection against sliding of the acrylic cover in case of vertical mounting
› Defined material expansion of the acrylic
› Securing rope connects support rail and optics

Holding-down clamp for cable

› Retains lateral cables in position
› Entrainment of up to 4 cables Ölflex Robust 210, 3 x 1mm
› No slipping of the cables over the LED optics

Cable gland

› Support rail connector with different functions
› The entrainment of up to 4 cables (for the supply of up to 4 LED light inserts) in the support rail is possible



Tool-less mounting

› The LEDLUX light inserts can be snap ped into pre-mounted profilated retaining clamps in the il 4010 profile
› The acrylic cover is to be snapped into the V-groove of the support rails
› Reduction of mounting time

Easy to install

› Mounting of the profilated system requires only minimal adjustment
› Parts in the set, incl. screws, nuts, etc. Fastening tools for fastening on site is to be provided by the customer
› Cable ends also available with wire-end sleeves, Cable lengths in 1 m, 2 m or 5 m. Pro ject-related solutions on request

Through-wiring of LEDLUX light inserts

› Reduction of the number of feed-in points by chaining of light inserts (2) possible
› Dimensioning can be effected by InstaLighting

Project design/offer

InstaLighting offers help in project design and preparation of a quotation for your project.

Functional safety

Comfortable light and luminaire management

Single-sourced control. Fail-safe. For a good, trouble-free inventment into the future.

Everything is possible. For small, single-room control solutions up to large control solutions including several rooms with bus systems like KNX. With commonly tuned devices and systems, controls and luminaires InstaLighting as daughter company of Insta, Gira and Jung provides for comfortable light management and thus offers the customer a sound investment into the future. In one customer project e.g. the following sensors and actuators for a comfortable control can be used:

› Time controls
› Wireless controls via RF
› Integration of DMX, DALI, eNet, KNX
› Sensors for Twilight, rain, wind, movement detection
› From simple ON/OFF switches through to modernoperation panels and mobile devices like iPhone, etc.

instalight 4010 DB

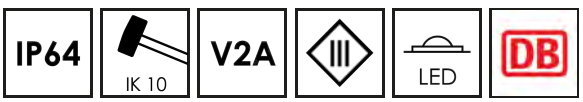
VV-IL 4010 LS DB

Light line system indoor/outdoor DB listed

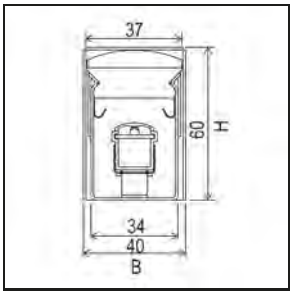
The light line system with narrow optics serves as an ideal tool for targeted building accentuation. Reduced to a minimum of material in mechanical terms, the LED light line supports the architectural building character but, when switched off, recedes almost invisibly into the background.

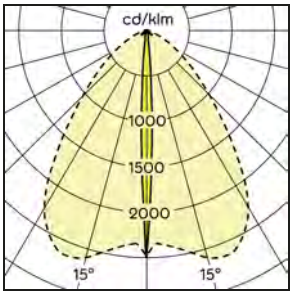
Main Features

> Modular component system guarantees maximum design flexibility and scalability in the object
> Minimally visible housing parts make the luminaire inconspicuous in daylight
> Weatherproof and UV-resistant materials guarantee color stability for the entire service life
> Revisable and upgradeable LED technology
> V2A stainless-steel housing for durable operation in an extreme environment
> Listed for use at the Deutsche Bahn AG
> Narrow, symmetrical light distribution for targeted accent light



Product Variations





+/- 5°

Specifications

DB-listed	Yes
Power consumption	19 W/m
Degree of protection	IP64
Efficiency class	A+
Protection class	III
Optics	Clear
Beam angle direct	+/- 5°
Max luminous flux direct	875 lm
Luminous flux direct (white)	875 lm/m
Light colour	4000 K
Luminous efficiency	46 lm/W
Ambient temperature	-20 °C ... +45 °C

Width (B)	40 mm
Height (H)	60 mm
Dimmable/Controllable	Yes
Interface	Depending on the ballast used
Weight	2.2 kg/m
Rated voltage	DC 28...30 V=
Storage/transport temperature	-25 ... +60 °C
Service life (L90/B50)	50,000 h
L x W x H	(Variable length) x 40 x 60 mm
Housing material	Stainless steel (V4A)
Cover material	Acrylic glass
Impact strength	IK10

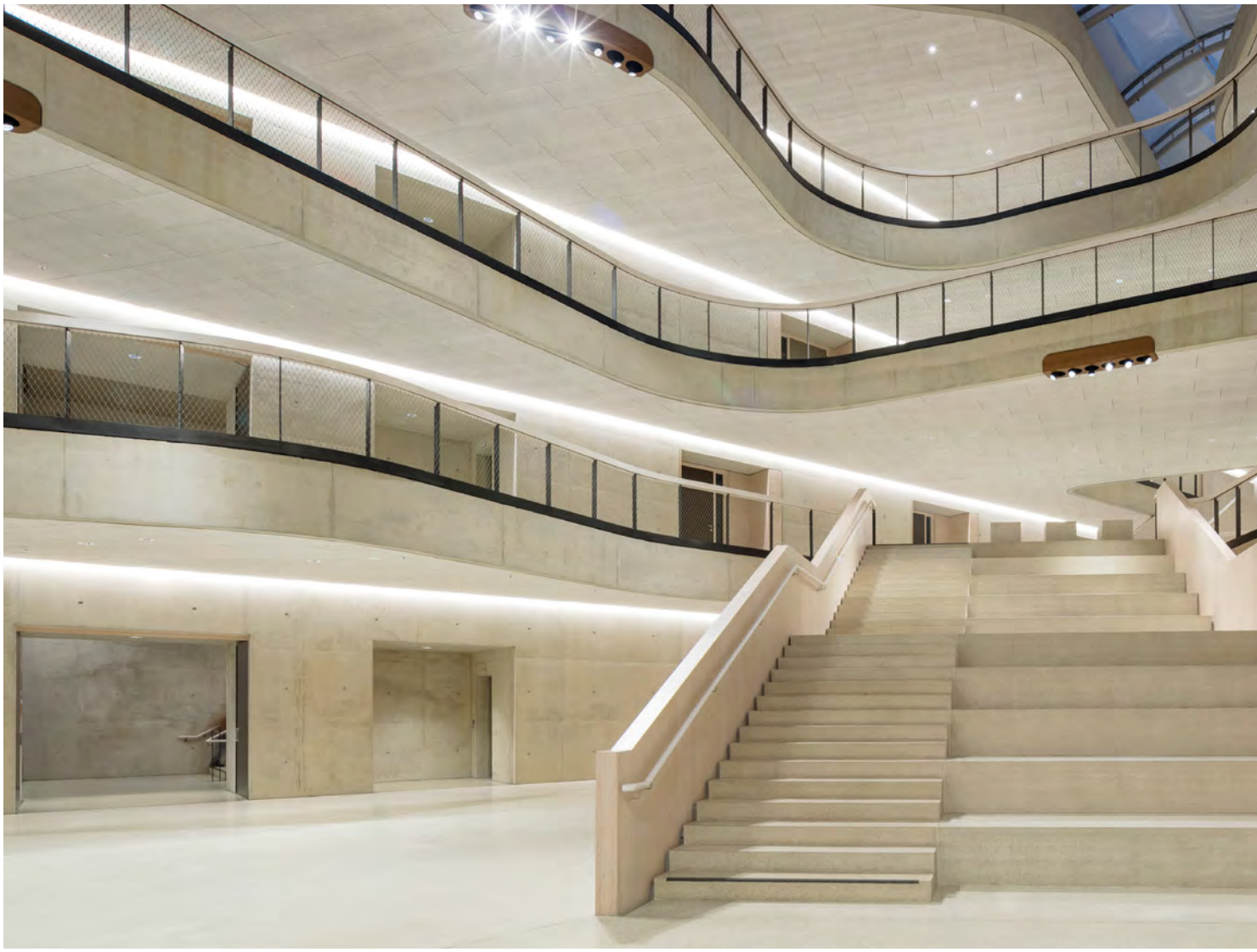
Accessories

SNT ELI 0-90W IP66

DCV 090 30 IP66 2

Supply Unit 0-57 W IP66

DCV 057 28 IP66 2



Archbishop‘s vocational college in Cologne

Cologne, Germany

REFERENCE

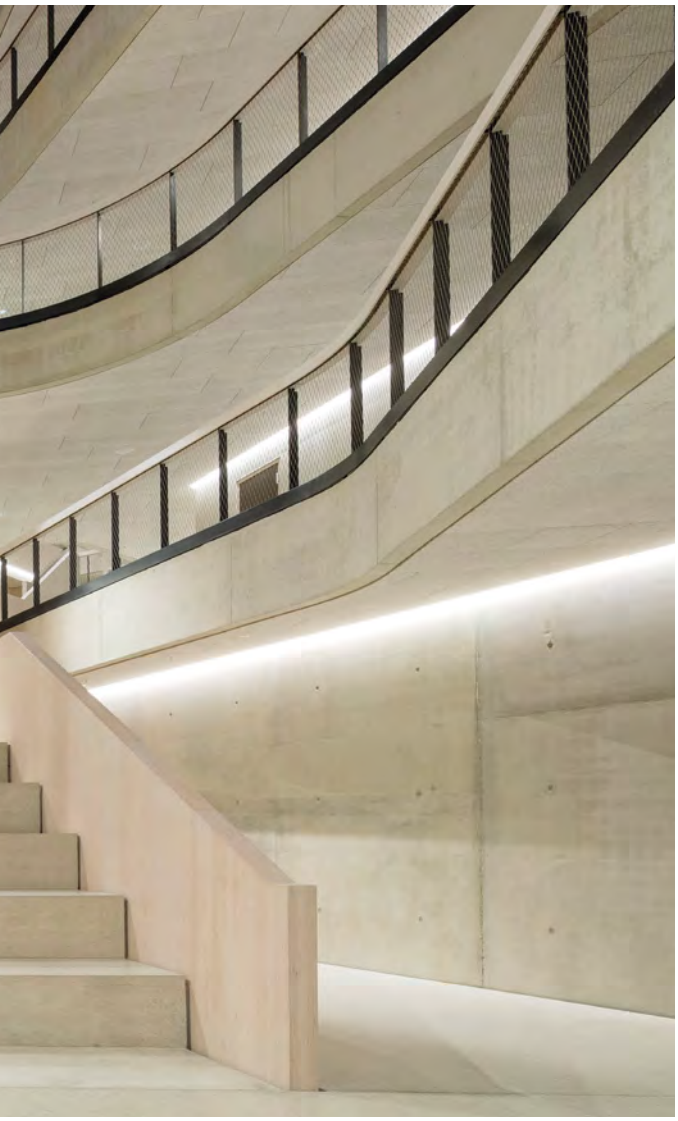
Realisation: 2016

Building owner: Erzbistum Köln

Interior design: 3pass

Lighting design: Licht Kunst Licht

Photo: Constantin Meyer Fotografie



Light insert for indoor and outdoor use

LEDLUX

Maximum flexibility.

LEDLUX is a modular and flexible system allowing to combine different shapes and types of LED lighting in one object, e.g. linear and surface applications. LEDLUX offers highest flexibility and modularity. The vast modular system has the right answer for every luminous design task: flat and linear luminaire housings for outdoor and indoor applications, wide- and narrow-beam optics, brilliant white light, saturated colours, lighting suitable for cameras thanks to flicker-free dimming or controllable colour temperature with high Ra. From simple applications, like display illumination through to integration in complex building installations, e.g. in bus systems like KNX.

The system LEDLUX is constantly refined.
We are pleased to advise you to find the suitable solution for your project.

> LEDLUX linear

> LEDLUX plane

Intelligently linked
LEDLUX Control

For perfect integration into the architecture, intelligent control of the lighting is indispensable. The wide range of possibilities of the LED is only really exhausted in this way: well-measured changes in brightness via colour setting in the white range through to colour dynamics artistically staged in the whole RGB colour range.

In combination with instalight Vario the LEDLUX system offers these possibilities by intelligent links to all common control systems like KNX, DALI, DMX, LEDTRIX and 1-10V technology.

> More information about instalight Vario and instalight Control can be found in the chapter „Controls“

instalight Vario

instalight Vario is the optimal control system for small and medium-sized systems with manageable complexity. With instalight Vario, commissioning is very easy by means of an easily understandable and intuitively operable App. Tedious programming was yesterday – today is instalight Vario.

instalight Control

A pool of intelligently scaled hardware components makes instalight Control an effective control tool for complex lighting projects.

LEDLUX LED light inserts

LEDLUX linear

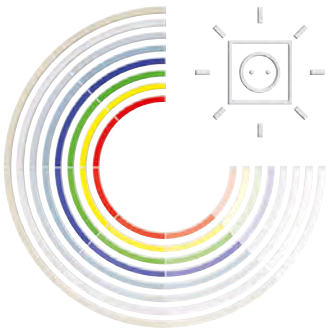
Linear, highly variable LED lighting system for indoor and outdoor applications, as ready-for-connection solution for invisible integration into various fields of architecture.

LEDLUX LX – RGB

Ready-for-connection LED surface system for indoor applications for flexible applications e.g. as wall or ceiling luminaire or for special-effect illumination. All LED modules of the LEDLUX plane system can be extended optically, electrically and mechanically in any form and number by means of the connector set.

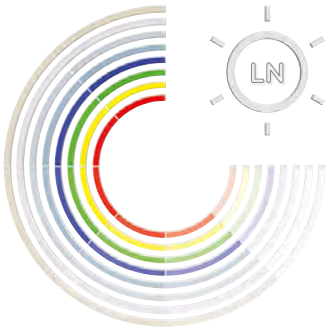
linear and plane
LEDLUX variants

	LEDLUX linear	LEDLUX plane
LEDLUX LH › Dimmable with standard dimmers › To be connected to 230 V direct › Optionally equipped in the light colours 2700 K, 3000 K, 4000 K and blue. Other light colours on request › Integrated power supply unit, protective isolation	●	
LEDLUX LN › Low-voltage luminaire for ambient lighting or lighting tasks with medium light intensity › Optionally equipped in the light colours 2700 K, 3000 K, 4000 K and blue. Other light colours on request	●	
LEDLUX LS › For lighting tasks with intensive and high-quality white light › Energy-efficient, maintenance-free and space-saving › Up to 113 lm/W › Optionally equipped in the light colours 2700 K, 3000 K, 4000 K and blue. Other light colours on request.	●	●
LEDLUX LX TW › Tunable White Technology for precisely adjustable colour temperature in a range from 2700 K to 6500 K › Dimmable, optionally controllable with analogue LED control	●	●
LEDLUX LX RGB › Complete colour range in RGB › Mixed colours, Corporate Colour	●	●
LEDLUX LX RGBW › Combination of RGB- and white light LED for highly saturated colours and brilliant white light › Separate control of RGB and share of white light	●	●



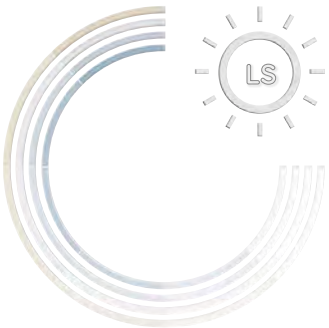
LEDLUX LH

The integrated ballast technology makes LEDLUX LH an inexpensive alternative when it comes to large-scale projects. By direct connection to 230 V external power supply units are made redundant and thus the installation is straightforward and costs are kept at a minimum.



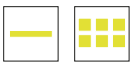
LEDLUX LN

A maximum luminous flux is not always required. Optimised especially for the demands of orientation and ambience lighting, LEDLUX LN wins over with a balanced system capacity, medium luminous flux and numerous light colours from which to choose from.



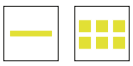
LEDLUX LS

The LS variant stands out with its high luminous flux, efficiency and a good colour rendition. With its high luminous flux, LEDLUX LS is also very well suited for general lighting. Energy-efficient, maintenance-free and space-saving.



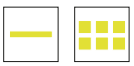
LEDLUX LX – TW (Tunable White)

When looking for the right white, when rooms and moods are expected to go through transitions, then the adjustment of light colours is a prerequiste – from a comforting warm white over neutral white to an inspiring daylight white - InstaLighting enables a professional and ergonomic use of Tunable White. The high quality demands when selecting the LED units and the InstaLighting Tunable White Control, designed for this purpose, have but one purpose: the precise (and from each other independent) variations and reproduction of light colour and light intensity. Whether as static light scenes with smooth transitions or the use of individual lighting sequences geared to the users needs, InstaLighting LEDLUX LX provides the perfect light. Easy and reliable.



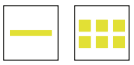
LEDLUX LX – RGB

Giving architecture an atmosphere can be created rapidly and flexibly through dynamic colourful accent lighting. Any colours of the RGB colour range can be displayed easily. From simple colour changes through to multimedia applications.



LEDLUX LX – RGBW

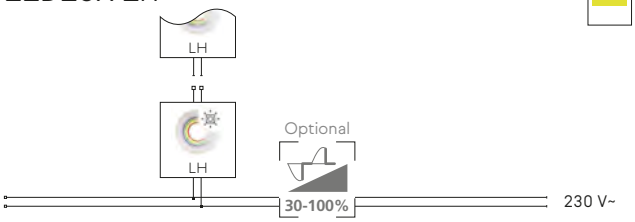
Is first stop when it comes to all lighting situations where saturated colours and “pure” white light are required.
Apart from displaying all colours of the RGB colour range, white light can be precisely proportioned or the high-quality white can be adjusted.



LEDLUX LED light inserts

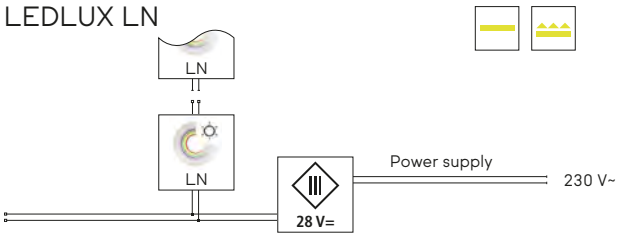
LEDLUX – at a glance

LEDLUX LH



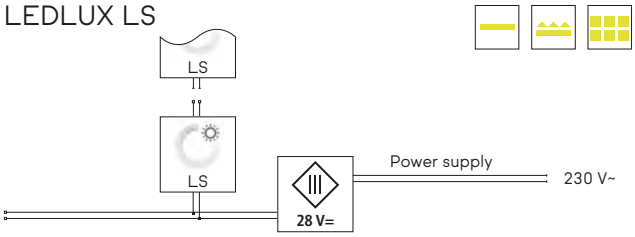
To be connected to 230 V direct and dimmable with standard dimmers. No external power supply units are needed. This saves mounting time and space. Ideally suitable for outdoor applications. Firm light colours: 2700 K, 3000 K, 4000 K and blue.

LEDLUX LN



Ideally suitable for white general lighting and accentuating lighting with single-coloured light. Available in 2700 K, 3000 K, 4000 K and blue.

LEDLUX LS

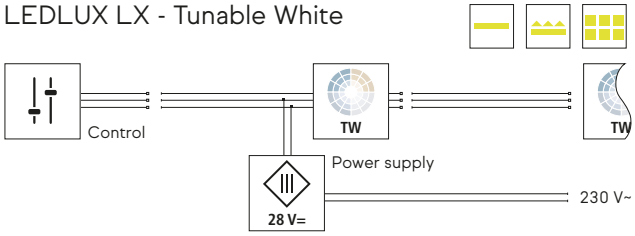


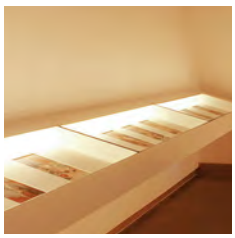
Whenever much light is needed, the highly luminous LEDLUX LS comes into play. It solves manifold tasks of general lighting with brilliant white light in the light colours 3000 K to 6500 K.

Advantages

- Long service life, nearly maintenance free and suitable for places where access is difficult
- Particularly efficient, since no service work or lamp exchange is required
- High degree of efficiency and thus low energy consumption
- Low heat generation
- No UV or infrared radiation
- Various light colours available (depending on the variant RGB, RGBW, Tunable White, white light)
- Mechanical strength
- Compact illumination in smallest space due to miniaturised shape
- Dimmable/controllable with suitable ballasts (depending on the variant)

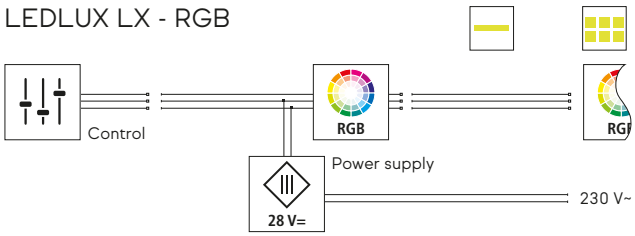
LEDLUX LX - Tunable White





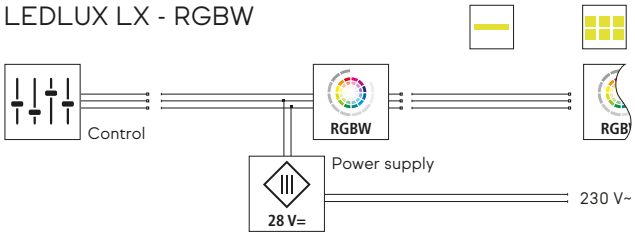
Two functions in one. The white light can be varied e.g. between 2700K and 6500 K. In addition, the brightness can be dimmed from 0-100% (dimming function). Ideal for ceilings, e.g. in museums.

LEDLUX LX - RGB



For this application colour, colour sequence, colour mixtures, e.g. a Corporate Colour is desired. Controllable, programmable with colour dynamics. Ideally suitable for orientation and accentuating lighting. Light to impress you.

LEDLUX LX - RGBW



The RGBW variant has got an RGB chip and a separate LED for white light. So in addition to highly saturated RGB colours also pastel colours can be displayed. The four-channel control makes it furthermore possible to use the white LED for lighting purposes.

Applications

- Illumination of furniture and automobiles
- Illumination of heat or UV-sensitive objects like e.g. textiles or food
- Illumination of signs, exhibits, advertising surfaces, displays and show-cases
- Highlighting of information, orientation systems or emergency lighting
- Illumination and accentuation of building facades, staircases, paths (e.g. in handrails), showrooms or large luminous advertising systems
- Special-effect illumination of displays, shop windows or at the point of sale

LEDLUX linear
Components & data

Degrees of protection for LEDLUX linear

Connection types for LEDLUX linear

Cable IP 64
with Cannon plug /
socket

Cable IP 20
with Molex plug /
socket

Cable IP 64
with open
wire end sleeve

Available colours for LEDLUX linear

Housing colour black

Housing colour white

Available optics for LEDLUX linear

Clear

Satin

Fresnel

LEDLUX linear
Accessories

Accessories	Article description	Overall size (mm) L	B	H	Article number
	AL profile	3150	29	50	88900495
	AL end cap	2	29.5	50	88900577
	AL diffusor	3050	25	3	88900591
	Clamp flex made of stainless steel (3x/m) swivelling	–	–	–	78900806
	Clamp made of stainless steel (3x/m) flat	–	–	–	81081700
	Clamp made of stainless steel (3x/m) high	–	–	–	81081710
	Safety sleeve IP67	24	24	27	50900049

Accessories	Article description	Overall size (mm) L	B	H	Article number
	Supply unit 0–120 W / AM	254	180	90	58920027
	LEDLUX LX SNT-shunt A LEDLUX LX SNT-shunt M Extension cable LX IP20	100 100 500	– – –	– – –	il ZL IP20 002 il ZL IP20 003 il ZLE IP20 001
	Extension cable LX IP20 1 m Extension cable LX IP20 3 m Extension cable LX IP20 5 m	1000 3000 5000	– – –	– – –	il ZLE IP20 002 il ZLE IP20 003 il ZLE IP20 004
	LED extension cable 1 m, outside LED extension cable 2 m, outside LED extension cable 5 m, outside	1000 2000 5000	– – –	– – –	58924011 58924012 58924013
	SNT ELI 0–20 W	103	66	30	58913000
	SNT ELI 0–57 W	270	33	23	58916030
	SNT ELI 0–110 W	221	69	40	50930074
	SNT ELI 0–120 W	205	106	51	58916023
	SNT ELI 0–9 W LEDLUX SNT connection	– 300	– –	– –	58910003 il ZLA IP20 004
	Connector set IP67 230 V for LEDLUX linear LH	3000	–	–	58928010
	Dimming box for SNT ELI 57 W, 110 W, 120 W for dimming all LN and LS luminaires Dimmable via DALI or 1-10 V	153	30	21	28105100
	Sealing plug for SNT ELI 120 W IP66 and light point output cable				58926010
	Sealing socket for SNT ELI 120 W IP66 and light point output cable				58926011

LEDLUX linear
Order code

	Here choose the **system**, for example:	Here choose the **light colour**, for example:	Here choose the **housing / optics**, for example:	Here choose the **degree of protection**, for example:	Here choose the **length of the LED profile**, for example:
LL	LX	RGBW	LWHS120	IP64	2286

System

LX
Light colour controllable via LEDTRIX interface

LN
Single-colour, dimmable via PWM, low-voltage

LS
Single-colour high luminosity, dimmable vua PWM, low-voltage

LH
Single-colour, high-voltage 230 V~

Light colour

827X
2700 K (LH / LS / LN)

830X
3000 K (LH / LS / LN)

840X
4000 K (LH / LS / LN)

2765
2700...6500 K, Tunable White (LX)

RGBX
RGB controllable (LX)

RGBW
RGBW controllable (LX)

Housing / optics

LWHC070
LEDLUX linear clear 70°, housing colour white

LWHS120
LEDLUX linear satined 120°, housing colour white

LWHG070
LEDLUX linear fresnel 70°, housing colour white

LBLC070
LEDLUX linear clear 70°, housing colour black

LBLS120
LEDLUX linear satined 120°, housing colour black

LBLG070
LEDLUX linear fresnel 70°, housing colour white

Degree of protection

IP 64

IP 20 (LX / LN / LS only)

Length of the LED profile (mm)

	LX (1)*	LX (2)**	LN	LH	LS
0253	•	•	•	–	•
0334	•	•	•	•	•
0416	•	–	•	•	•
0497	•	•	•	–	•
0578	•	–	•	–	•
0660	•	•	•	•	•
0741	•	–	•	•	•
0822	•	•	•	•	•
0904	•	–	•	–	•
0985	•	•	•	•	•
1066	•	–	•	•	•
1148	•	•	•	•	•
1229	•	–	•	•	•
1310	•	•	•	•	•
1392	•	–	•	•	•
1473	•	•	•	•	•
1554	•	–	•	•	•
1636	•	•	•	•	•
1717	•	–	•	•	•
1798	•	•	•	•	•
1880	•	–	•	•	•
1961	•	•	•	•	•
2042	•	–	•	•	•
2124	•	•	•	•	•
2205	•	–	•	•	•
2286	•	•	•	•	•

* LX (1) = light colour RGB or RGBW
** LX (2) = light colour 2765 (TW)

How do I order LEDLUX linear? With this order code you can configure and order the LEDLUX linear variant you need for your individual project. To this effect, choose from the 11 modular components of the LEDLUX order code which are relevant for your project, and thus you can generate your specific order code for your LEDLUX linear module.

Here choose the **colour of the end cap**, for example:	Here choose the **input cable**, for example:	Here choose the **colour of the end cap**, for example:	Here choose the **output cable**, for example:	Here choose the **coding**, for example:	Here choose the **LED control**, for example:
W	K102	W	K102	A	L

Colour of the end cap

Input (=housing colour)

W
white end cap

S
black end cap

Input cable

Type of connection

F
Flat cable
(only LX / LN / LS, only IP20)

M
Molex plug connector
(only LX / LN / LS, only IP20)

C
Wire end sleeves
(LX / LN / LS / LH, only IP64)

C
Rubber plug connector
(only LX / LN / LS, only IP64)

Length

750
75 mm (only LX / LN / LS, only connection type M / F)

301
300 mm (only LX / LN / LS, only connection type M / F)

102
1000 mm

202
2000 mm

502
2000 mm

Colour of the end cap

Output (=housing colour)

W
white end cap

S
black end cap

Output cable

Configuration see „input cable“

additionally:
XXXX = no output cable

Encoding

X
no encoding
(only LN / LS / LH)

A
A-A...A
(only LX, colour control per complete line)

B
B-B...B
(only LX, colour control per segment)

C
A-A...B
(only LX, colour control per light insert)

D
Special encoding
(only LX, customer-specific control)

LED control

R
linear
(special demands on flicker-free operation)

W
SBAM (Standard)

X
Special requirement

> Example:

LL	LX	RGBW	LWHS120	IP64	2286	W	K102	W	K102	A	L

LEDLUX LH linear

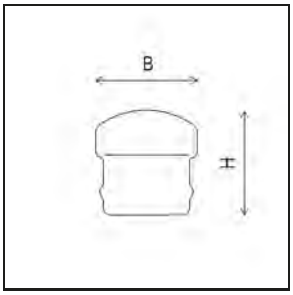
Light insert 230 V

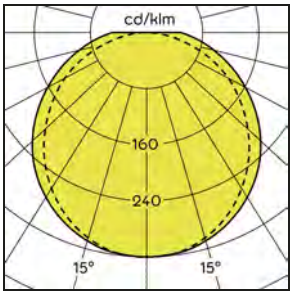
The linear light insert supplies high-quality, medium-intensity white light and can be integrated into the architecture in a modular fashion. In so doing, the light element stands out through its even light distribution and high light quality. In addition, this light insert stands out through a direct connection to the mains voltage and compatibility with standard dimmers.

Main Features

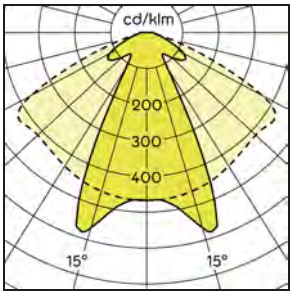
> Modular component system guarantees maximum design flexibility and scalability in the object
> More than 250,000 product variants provide the right light for every idea
> Minimum installation and planning effort due to direct access to main voltage
> Weatherproof housing for use outdoors
> Various abstract characteristics make focused illumination possible
> Light inserts with the color temperature 4000 K are DB-listed

Product Variations

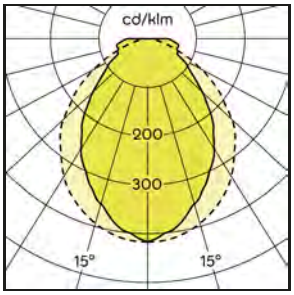




122°



52°



78°

	Optics	Optics dir.	Max. lumin. flux	Light colour
LL LH 827X (...) C070 (...)	Clear	52°	780 lm	2700 K
LL LH 830X (...) C070 (...)	Clear	52°	780 lm	3000 K
LL LH 840X (...) C070 (...)	Clear	52°	870 lm	4000 K
LL LH 827X (...) G070 (...)	Fresnel	78°	770 lm	2700 K
LL LH 830X (...) G070 (...)	Fresnel	78°	770 lm	3000 K
LL LH 840X (...) G070 (...)	Fresnel	78°	840 lm	4000 K
LL LH 830X (...) S120 (...)	Satined	122°	690 lm	3000 K
LL LH 827X (...) S120 (...)	Satined	122°	690 lm	2700 K
LL LH 840X (...) S120 (...)	Satined	122°	780 lm	4000 K

Specifications

Power consumption	10 W/m
Ambient temperature	-20 ... +45 °C
Length (L)	334 ... 2286 mm
Width (B)	20 mm
Height (H)	21 mm
Dimmable/Controllable	Yes
Weight	ca. 0.22 kg/m
Rated voltage	AC 230 V ~
Mains frequency	50 Hz
Power factor 230V	0.57

Degree of protection	IP64
Efficiency class	A+
Protection class	II
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	See order code
Cable length	See order code
Housing material	Plastic
Cover material	Plastic
Glow-wire testing	850 °C
Impact strength	IK06

Accessories

Flat clamp

81081700

High clamp

81081710

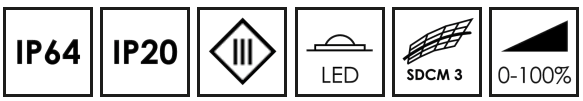
LEDLUX LN linear

Light insert

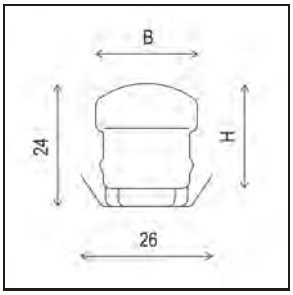
The linear light insert supplies high-quality, medium-intensity white light and can be integrated into the architecture in a modular fashion. In so doing, the light element stands out through its even light distribution and high light quality.

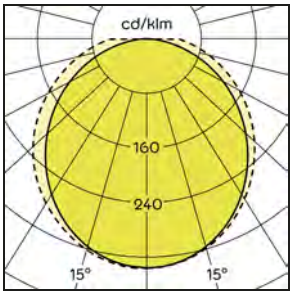
Main Features

> Modular component system guarantees maximum design flexibility and scalability in the object
> More than 250,000 product variants provide the right light for every idea
> Weatherproof housing for use outdoors
> Various abstract characteristics make focused illumination possible
> Dimmable via PWM

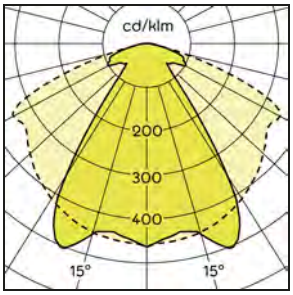


Product Variations

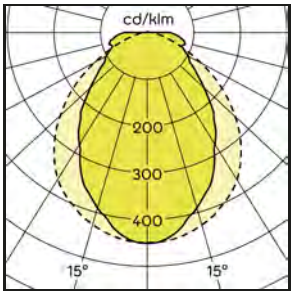




120°



70°, CLEAR



70°, FRESNEL

	Optics	Optics dir.	Max. lumin. flux	Light colour
LL LN 830X (...) C070 (...)	Clear	70°	630 lm	3000 K
LL LN 840X (...) C070 (...)	Clear	70°	630 lm	4000 K
LL LN 827X (...) C070 (...)	Clear	70°	630 lm	2700 K
LL LN 840X (...) G070 (...)	Fresnel	70°	610 lm	4000 K
LL LN 830X (...) G070 (...)	Fresnel	70°	610 lm	3000 K
LL LN 827X (...) G070 (...)	Fresnel	70°	610 lm	2700 K
LL LN 840X (...) S120 (...)	Satined	120°	575 lm	4000 K
LL LN 830X (...) S120 (...)	Satined	120°	575 lm	3000 K
LL LN 827X (...) S120 (...)	Satined	120°	575 lm	2700 K

Specifications

Power consumption	7.2 W/m
Efficiency class	A+
Protection class	III
Ambient temperature	-20 ... +45 °C
Length (L)	253 ... 2286 mm
Width (B)	20 mm
Height (H)	21 mm
Dimmable/Controllable	Yes
Interface	Depending on the ballast used
Weight	Approx. 0.2 kg/m

Rated voltage DC	28 V SELV
Degree of protection	IP20/IP64 (see order code)
Storage/transport temperature	-20 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	See order code
Cable length	See order code
Housing material	Plastic
Cover material	Plastic
Glow-wire testing	850 °C
Impact strength	IK06

Accessories

Safety sleeve IP67
50900049

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

SNT ELI 0-110 W / 30 V
50930074

Flat clamp
81081700

High clamp
81081710

DMX-PWM converter
59701090

instalight Vario basic device
V2 GR 001

instalight Vario interface module PWM
V2 FM PW 001

Dimmbox
28105100

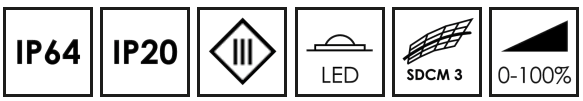
LEDLUX LS linear

Light insert

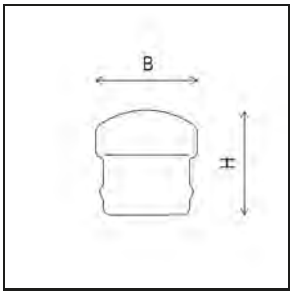
The linear light insert supplies high-quality, medium-intensity white light and can be integrated into the architecture in a modular fashion. In so doing, the light element stands out through its even light distribution and high light quality.

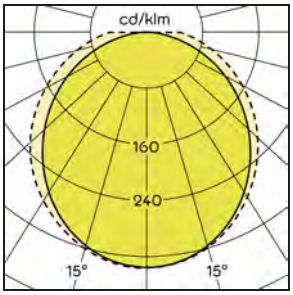
Main Features

> Modular component system guarantees maximum design flexibility and scalability in the object
> More than 250,000 product variants provide the right light for every idea
> Weatherproof housing for use outdoors
> Various abstract characteristics make focused illumination possible
> Dimmable via PWM

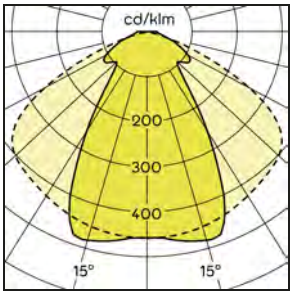


Product Variations

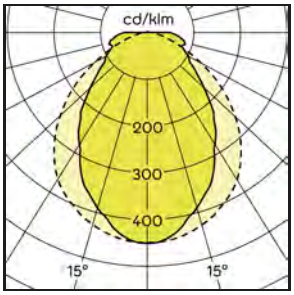




120°



70°, CLEAR



70°, FRESNEL

	Optics	Optics dir.	Max. lumin. flux	Light colour
LL LS 827X (...) C070 (...)	Clear	70°	1800 lm	2700 K
LL LS 830X (...) C070 (...)	Clear	70°	1800 lm	3000 K
LL LS 840X (...) C070 (...)	Clear	70°	1800 lm	4000 K
LL LS 840X (...) G070 (...)	Fresnel	70°	1740 lm	4000 K
LL LS 827X (...) G070 (...)	Fresnel	70°	1740 lm	2700 K
LL LS 830X (...) G070 (...)	Fresnel	70°	1740 lm	3000 K
LL LS 830X (...) S120 (...)	Satined	120°	1650 lm	3000 K
LL LS 840X (...) S120 (...)	Satined	120°	1650 lm	4000 K
LL LS 827X (...) S120 (...)	Satined	120°	1650 lm	2700 K

Specifications

Power consumption	16 W/m
Efficiency class	A+
Protection class	III
Colour rendition Ra	85
Ambient temperature	-20 ... +45 °C
Length (L)	334 ... 2286 mm
Width (B)	20 mm
Height (H)	21 mm
Dimmable/Controllable	Yes
Interface	Depending on the ballast used

Weight	Approx. 0.2 kg/m
Rated voltage DC	28 V SELV
Degree of protection	IP20/IP64 (see order code)
Storage/transport temperature	-20 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	See order code
Cable length	See order code
Housing material	Plastic
Cover material	Plastic
Glow-wire testing	850 °C
Impact strength	IK06

Accessories

Safety sleeve IP67
50900049

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

SNT ELI 0-110 W / 30 V
50930074

Flat clamp
81081700

High clamp
81081710

DMX-PWM converter
59701090

instalight Vario basic device
V2 GR 001

instalight Vario interface module PWM
V2 FM PW 001

Dimmbox
28105100

LEDLUX LX TW linear

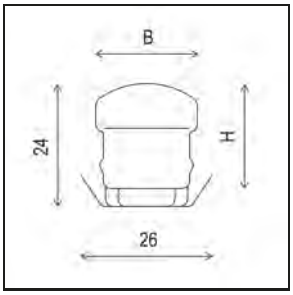
Light insert

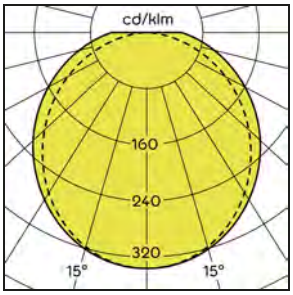
The linear light insert stands out through its intense, dynamic white light and can be integrated into the architecture in a modular fashion. In so doing, the light element stands out through a variable colour temperature, even light distribution and high light quality.

Main Features

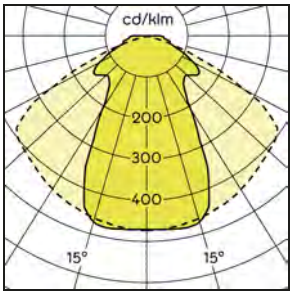
> Modular component system guarantees maximum design flexibility and scalability in the object
> More than 250,000 product variants provide the right light for every idea
> Tunable white for biodynamic lighting and colour dynamic white light in high quality
> A unique control algorithm guarantees constant brightness over the entire adjustment range
> Lighting suitable for cameras thanks to flicker-free dimming
> Weatherproof housing for use outdoors
> Various abstract characteristics make focused illumination possible

Product Variations

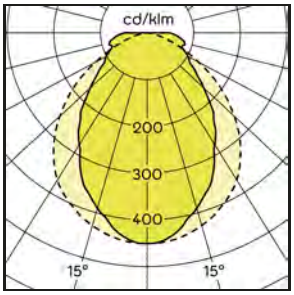




120°



70°, CLEAR



70°, FRESNEL

	Optics	Optics dir.	Max. lumin. flux
LL LX 2765 (...) C070 (...)	Clear	70°	1320 lm
LL LX 2765 (...) G070 (...)	Fresnel	70°	1270 lm
LL LX 2765 (...) S120 (...)	Satined	120°	1200 lm

Specifications

Power consumption	18.9 W/m
Efficiency class	A
Protection class	III
Light colour	2700 ... 6500 K
Ambient temperature	-20 ... +45 °C
Length (L)	253 ... 2286 mm
Width (B)	20 mm
Height (H)	21 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX

Weight	Approx. 0.2 kg/m
Rated voltage DC	28 V SELV
Degree of protection	IP20 / IP64
Storage/transport temperature	-25 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	See order code
Cable length	See order code
Housing material	Plastic
Cover material	Plastic
Glow-wire testing	850 °C
Impact strength	IK06

Accessories

Safety sleeve IP67
50900049

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

SNT ELI 0-110 W / 30 V
50930074

Flat clamp
81081700

High clamp
81081710

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

Connector Set IP67 28V
58928011

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

LEDLUX LX RGB linear

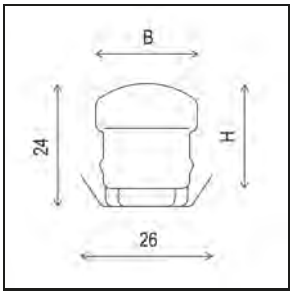
Light insert

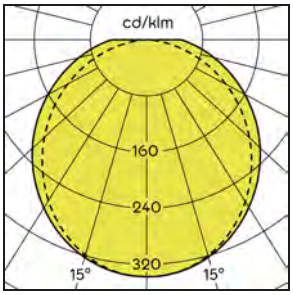
The linear RGB light insert stands out through its dynamic light and can be integrated into the architecture in a modular fashion. In so doing, the light element fascinates through its precisely controllable coloured light and particularly even light distribution.

Main Features

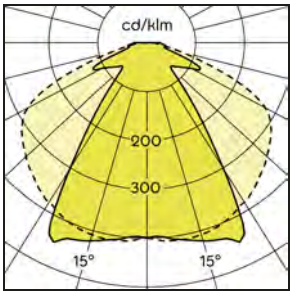
> Modular component system guarantees maximum design flexibility and scalability in the object
> More than 250,000 product variants provide the right light for every idea
> Weatherproof housing for use outdoors
> Various abstract characteristics make focused illumination possible

Product Variations

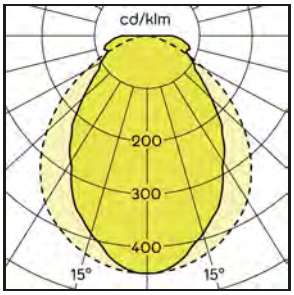




120°



70°, CLEAR



70°, FRESNEL

	Optics	Optics dir.
LL LX RGBX (...) C070 (...)	Clear	70°
LL LX RGBX (...) G070 (...)	Fresnel	70°
LL LX RGBX (...) S120 (...)	Satined	120°

Specifications

Power consumption	16 W/m
Light colour	RGB
Ambient temperature	-20 ... +45 °C
Length (L)	253 ... 2286 mm
Width (B)	20 mm
Height (H)	21 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX
Weight	Approx. 0.2 kg/m
Rated voltage DC	28 V SELV

Degree of protection	IP20/IP64 (see order code)
Protection class	III
Storage/transport temperature	-20 ... +60 °C
Service life (L80/B10)	(@ 25 °C) 60,000 h
Connection mode	See order code
Cable length	See order code
Housing material	Plastic
Cover material	Plastic
Glow-wire testing	850 °C
Impact strength	IK06

Accessories

Safety sleeve IP67
50900049

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

SNT ELI 0-110 W / 30 V
50930074

Flat clamp
81081700

High clamp
81081710

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

LEDLUX LX RGBW linear

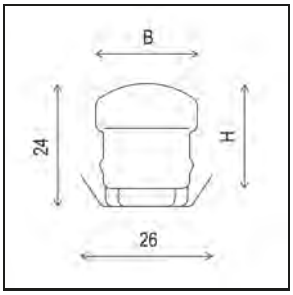
Light insert

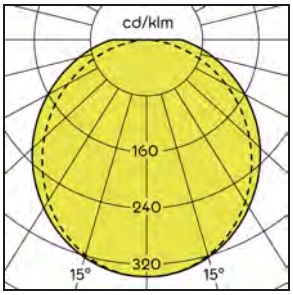
The linear RGBW light insert stands out through its dynamic light and can be integrated into the architecture in a modular fashion. In so doing, the light element fascinates through its precisely controllable coloured light, even light distribution and high-quality white light.

Main Features

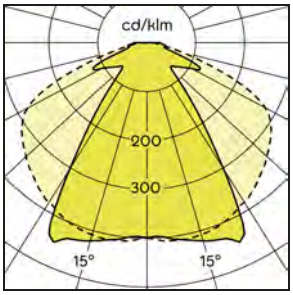
> Modular component system guarantees maximum design flexibility and scalability in the object
> More than 250,000 product variants provide the right light for every idea
> Brilliant white light, rich colours and pastel shades from one luminaire by combining RGB and white LED
> Weatherproof housing for use outdoors
> Various abstract characteristics make focused illumination possible

Product Variations

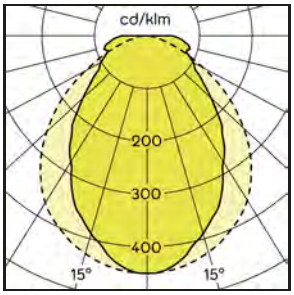




120°



70°, CLEAR



70°, FRESNEL

	Optics	Optics dir.	Max. lumin. flux
LL LX RGBW (...) C070 (...)	Clear	70°	270 lm
LL LX RGBW (...) G070 (...)	Fresnel	70°	270 lm
LL LX RGBW (...) S120 (...)	Satined	120°	246 lm

Specifications

Power consumption	16.2 W/m
Protection class	III
Light colour	RGBW
Ambient temperature	-20 ... +45 °C
Length (L)	253 ... 2286 mm
Width (B)	20 mm
Height (H)	21 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX
Weight	Approx. 0.2 kg/m

Rated voltage DC	28 V SELV
Degree of protection	IP20 / IP64 (see order code)
Storage/transport temperature	-20 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	See order code
Cable length	See order code
Housing material	Plastic
Cover material	Plastic
Glow-wire testing	850 °C
Impact strength	IK06

Accessories

Safety sleeve IP67
50900049

Supply unit 0-120 W / AM
58920027

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-110 W / 30 V
50930074

SNT ELI 0-9 W Molex plug 3-pole
58910003

Flat clamp
81081700

High clamp
81081710

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

LEDLUX plane
Components & accessories

Connection types for LEDLUX plane

Cable IP20 with Molex plug / socket

Available module sizes LEDLUX plane

Grid dimensions 200 (PQ200)

Grid dimensions 100 (PR100)

Accessories	Article description	Overall size (mm) L	W	H	Article number
	LEDLUX LX SNT-shunt A	100	–	–	il ZL IP20 002
	LEDLUX LX SNT-shunt M	100	–	–	il ZL IP20 003
	Extension cable	500	–	–	il ZLE IP20 001
	Extension cable LX IP20 1 m	1000	–	–	il ZLE IP20 002
	Extension cable LX IP20 3 m	3000	–	–	il ZLE IP20 003
	Extension cable LX IP20 5 m	5000	–	–	il ZLE IP20 004
	SNT ELI 0–20 W	103	66	30	58913000
	SNT ELI 0–57 W	270	33	23	58916030
	SNT ELI 0–110 W	221	69	40	50930074
	SNT ELI 0–120 W	205	106	51	58916023
	SNT ELI 0–9 W	–	–	–	58910003
	LEDLUX SNT connection	300	–	–	il ZLA IP20 004
	Set of connectors for LEDLUX plane (20 pcs)	20	20	5	58927000

LEDLUX plane
Order code

	Here choose the **system**, for example:	Here choose the **light colour**, for example:	Choose the **geometry**, for example:	Here choose the **encoding**, for example:
LL	LX	2765	PQ200	A

System

LX
Light colour controllable via LEDTRIX interface

LS
Single-colour high luminosity, dimmable via PWM, low-voltage

Light colour

RGBW
RGBW controllable (LX)

RGBX
RGB controllable (LX)

830X
3000 K (LS / LN)

840X
4000 K (LS / LN)

2765
2700...6500 K,
Tunable White (LX)

Geometry

PQ200
Plane, square, grid dimensions 200 x 200 mm

PR100
Plane, rectangular, grid dimensions 200 x 100 mm (not RGBW)

Encoding

X
no encoding (only LN / LS)

A
Control 3 - channel (only LX, controllable as one segment)

B
Control 12 - channel (only LX, controllable in four partial segments)

C
Control via micro-switch can be chosen (only LX)

D
Special encoding (ony LX, 3 - channel for instalight Control)

How do I order LEDLUX plane? With this order code you can configure and order the LEDLUX plane variant you need for your individual project. To this effect, choose from the four modular components of the LEDLUX order code which are relevant for your project, and thus you can generate your specific order code for your LEDLUX plane module.

> Example:

LL — LX — 2765 — PQ200 — A

LEDLUX LS plane

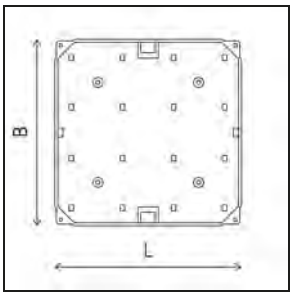
Light insert

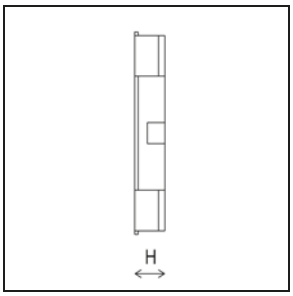
The flat light insert supplies intense white light and can be integrated into the architecture in a modular fashion. In so doing, the light element stands out through a flat construction height and high light quality.

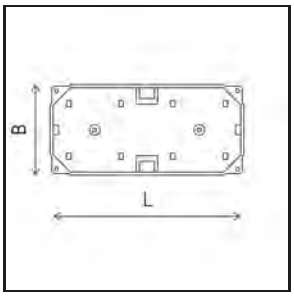
Main Features

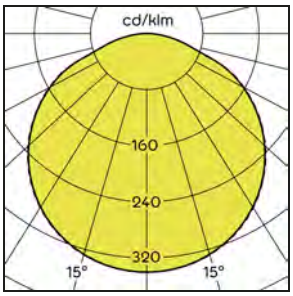
> Modular component system guarantees maximum design flexibility and scalability in the object
> Background illumination of surfaces thanks to small mounting dimensions
> Dimmable via PWM

Product Variations









120°

	P	Max. lumin. flux	Light colour	Width (B)	Weight
LL LS 830X PR100 (...)	3.6 W	375 lm	3000 K	87 mm	0.1 kg
LL LS 840X PR100 (...)	3.6 W	375 lm	4000 K	87 mm	0.1 kg
LL LS 830X PQ200 (...)	7 W	750 lm	3000 K	187 mm	0.2 kg
LL LS 840X PQ200 (...)	7 W	750 lm	4000 K	187 mm	0.2 kg

Specifications

Efficiency class	A++
Protection class	III
Optics	None
Beam angle direct	120°
Ambient temperature	-20 ... +45 °C
Length (L)	187 mm
Height (H)	13 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used

Housing colour	White
Rated voltage DC	28 V SELV
Storage/transport temperature	-20 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	Plug connector
Cable length	125 mm
Housing material	Plastic
Cover material	None
Glow-wire testing	850 °C
Weight	200 g (PQ200) / 100 g (PR100)

Accessories

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

SNT ELI 0-110 W / 30 V
50930074

DMX-PWM converter
59701090

instalight Vario basic device
V2 GR 001

instalight Vario interface module PWM
V2 FM PW 001

Dimmbox
28105100

LEDLUX LX TW plane

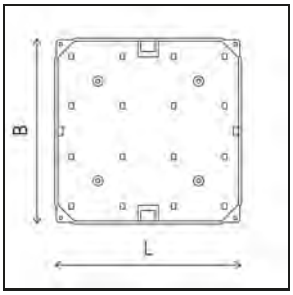
Light insert

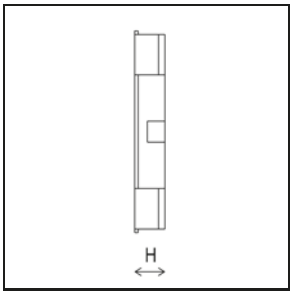
The flat light insert stands out through its intense, dynamic white light and can be integrated into the architecture in a modular fashion. In so doing, the light element stands out through its variable colour temperature, flat construction height and high light quality.

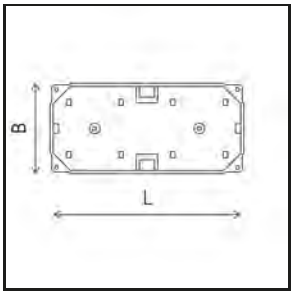
Main Features

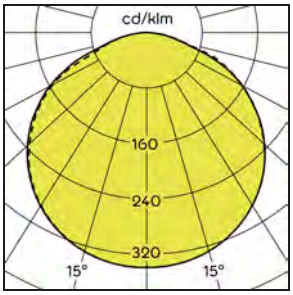
> Modular component system guarantees maximum design flexibility and scalability in the object
> Tunable white for biodynamic lighting and colour dynamic white light in high quality
> A unique control algorithm guarantees constant brightness over the entire adjustment range
> Lighting suitable for cameras thanks to flicker-free dimming
> Background illumination of surfaces thanks to small mounting dimensions

Product Variations









120°

	P	Max. lumin. flux	Width (B)	Weight
LL LX 2765 PR100 (...)	4 W	330 lm	87 mm	0.1 kg
LL LX 2765 PQ200 (...)	7.5 W	660 lm	187 mm	0.2 kg

Specifications

Efficiency class	A+
Protection class	III
Optics	None
Beam angle direct	120°
Light colour	2700 ... 6500 K
Ambient temperature	-20 ... +45 °C
Length (L)	187 mm
Height (H)	13 mm
Dimmable/Controllable	Yes

Interface	LEDTRIX
Housing colour	White
Rated voltage DC	28 V SELV
Storage/transport temperature	-20 ... +60 °C
Service life	60,000 h
Connection mode	Plug connector
Cable length	125 mm
Housing material	Plastic
Cover material	None
Glow-wire testing	850 °C

Accessories

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

SNT ELI 0-110 W / 30 V
50930074

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

LEDLUX LX RGB plane

VV-LL LX RGBX PQ200 (...)

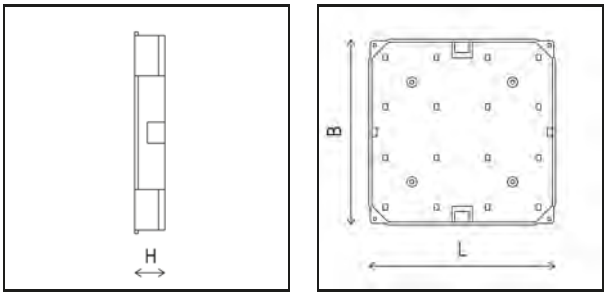
Light insert

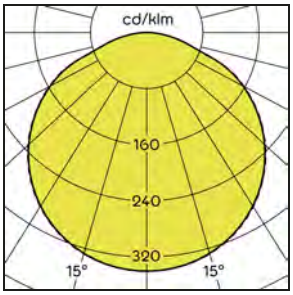
The flat RGB light insert stands out through its dynamic light and can be integrated into the architecture in a modular fashion. In so doing, the light element fascinates through its precisely controllable coloured light and flat construction height.

Main Features

> Modular component system guarantees maximum design flexibility and scalability in the object
> Background illumination of surfaces thanks to small mounting dimensions

Product Variations





120°

Specifications

Power consumption	8.3 W
Protection class	III
Optics	None
Beam angle direct	120°
Max luminous flux direct	82 lm
Luminous flux direct (green)	82 lm
Luminous flux direct (red)	36 lm
Luminous flux direct (blue)	16 lm
Light colour	RGB
Length (L)	187 mm
Width (B)	187 mm
Height (H)	12 mm

Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	White
Weight	0.2 kg
Rated voltage DC	28 V SELV
Storage/transport temperature	-20 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	Plug connector
Cable length	125 mm
Housing material	Plastic
Cover material	None
Glow-wire testing	850 °C

Accessories

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

instalight Control LEDTRIX Master
50913000

instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

SNT ELI 0-110 W / 30 V
50930074

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

LEDLUX LX RGBW plane

VV-LL LX RGBW PQ200 (...)

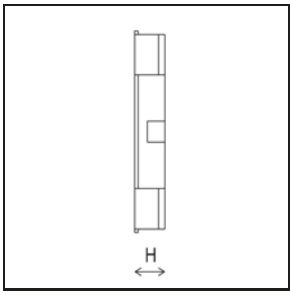
Light insert

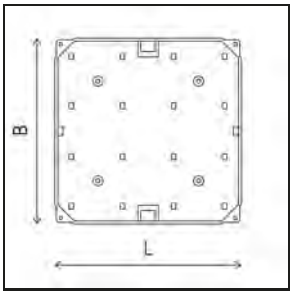
The flat RGBW light insert stands out through its dynamic light and can be integrated into the architecture in a modular fashion. In so doing, the light element fascinates through its precisely controllable coloured light, flat construction height and high-quality white light.

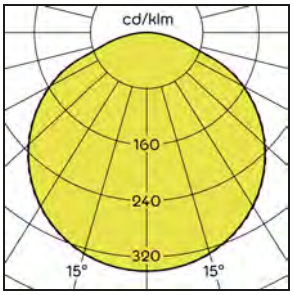
Main Features

> Modular component system guarantees maximum design flexibility and scalability in the object
> Brilliant white light, rich colours and pastel shades from one luminaire by combining RGB and white LED
> Background illumination of surfaces thanks to small mounting dimensions

Product Variations







120°

Specifications

Power consumption	7.3 W
Protection class	III
Optics	None
Beam angle direct	120°
Max luminous flux direct	534 lm
Luminous flux direct (green)	40 lm
Luminous flux direct (red)	24 lm
Luminous flux direct (white)	534 lm
Luminous flux direct (blue)	8 lm
Light colour	RGBW
Ambient temperature	-20 ... +45 °C
Length (L)	187 mm
Width (B)	187 mm

Height (H)	12 mm
Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	White
Weight	0.2 kg
Rated voltage DC	28 V SELV
Storage/transport temperature	-20 ... +60 °C
Service life (L80/B10)	60,000 h
Connection mode	Plug connector
Cable length	125 mm
Housing material	Plastic
Cover material	None
Glow-wire testing	850 °C

Accessories

SNT ELI 0-120 W
58916023

SNT ELI 0-57 W
58916030

SNT ELI 0-9 W Molex plug 3-pole
58910003

instalight Control LEDTRIX Master
50913000

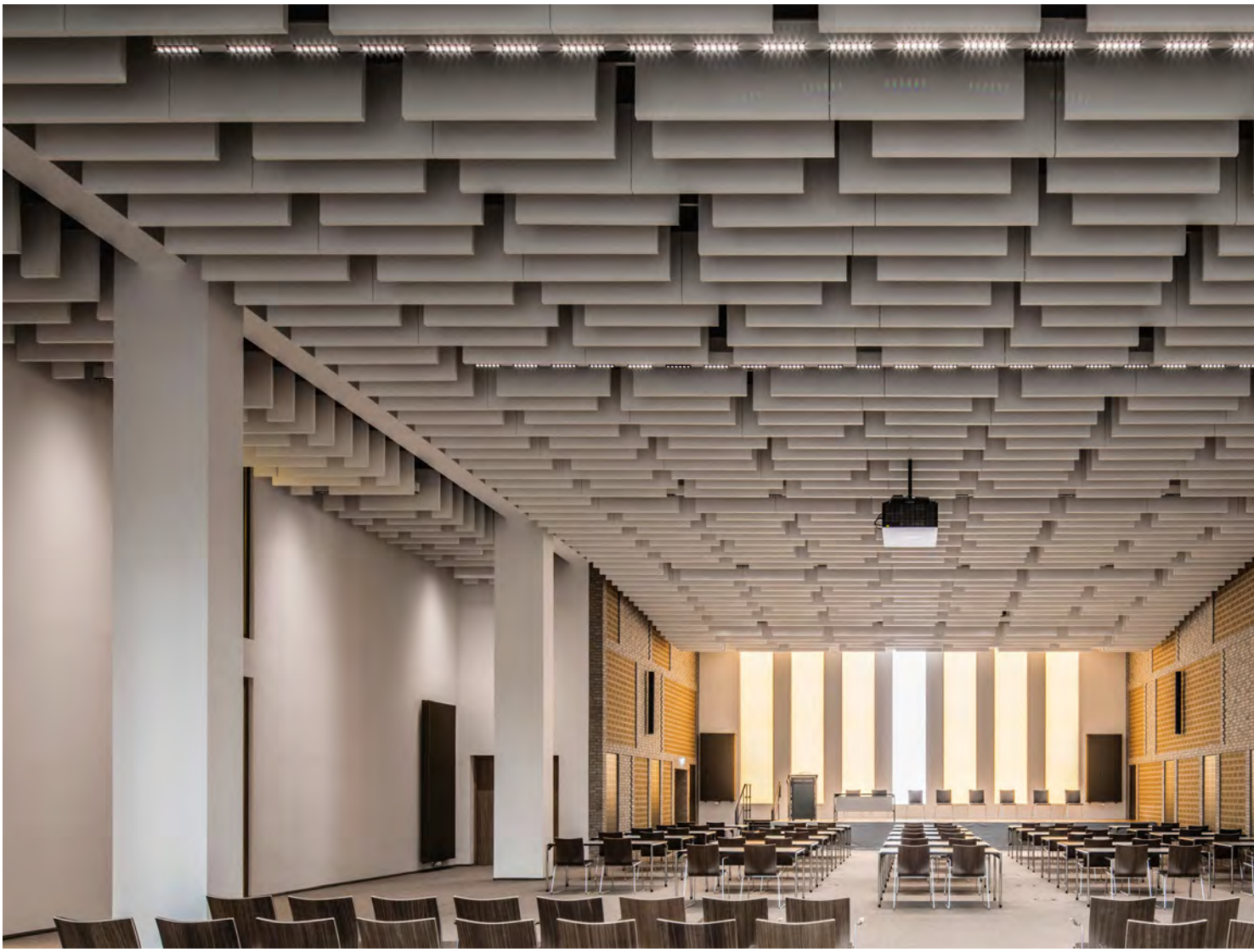
instalight Vario basic device
V2 GR 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

SNT ELI 0-110 W / 30 V
50930074

DMX-LEDTRIX Gateway 2 channel, built-in
51688014

Dornbracht LifeSpa, Iserlohn
Germany
Photo: Fotostudio Tölle



Kassenärztliche Vereinigung Hamburg

Hamburg

REFERENCE

Building owner: Kassenärztliche Vereinigung Hamburg

Architects (project management): SAHB Schindel Architekten Hamburg Berlin

Light planning (executive planning): PZWO GmbH & Co. KG Oldenburg

Photo: Boris Golz

Luminaires for interior rooms

instalight 4033 NoLimit

Inspire. Create. Perform

NoLimit is an innovative linear LED system, which allows architects, planners and building owners to take control of implementing their own lighting designs. The luminaires offers a vast array of options to spark ideas and captivate your imagination. Anything can inspire you.

NoLimit has everything you need to realise ambitious lighting solutions. The basic modules of the kit offer almost limitless combination options.

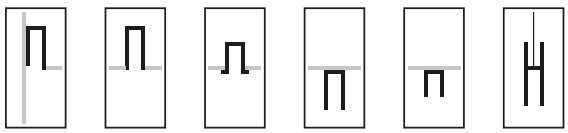
With NoLimit, the planner is free to implement his ideas, bringing individual works to life – inspiration thus becomes creation.

> Light insert
High Power optics

The modular principle
Simple & modular

The profiles

NoLimit consists of six profiles in which you can realise all kinds of lighting tasks. Large profiles offer three locking positions, small profiles two. The entire line system has a uniform appearance and anyone planning with NoLimit can achieve a consistent design within the structure.



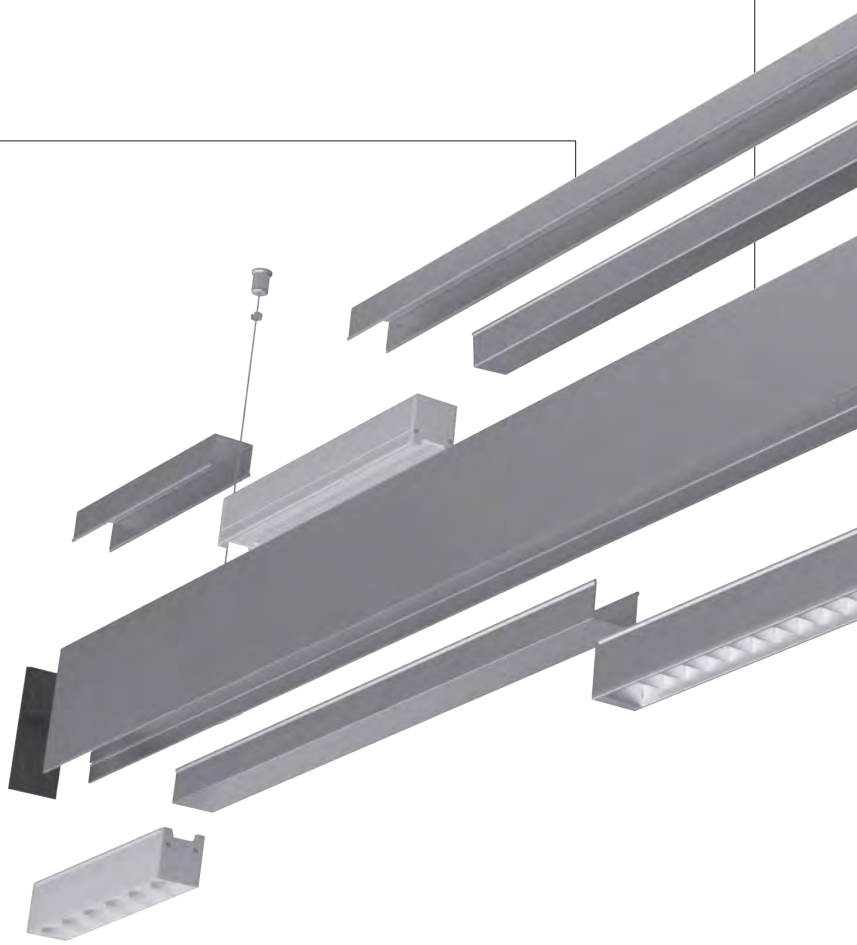
1 2 3 4 5 6

1. Light cove around a corner
2. Ceiling recess profile, frameless
3. Ceiling recess profile with frame
4. Surface mount profile, large
5. Surface mount profile, small
6. Pendant profile

The operating unit

Due to NoLimit's vast portfolio, the suitable electrical power supply has to be chosen: Voltage-controlled for applications in the low power range and current-controlled for mid and high power.

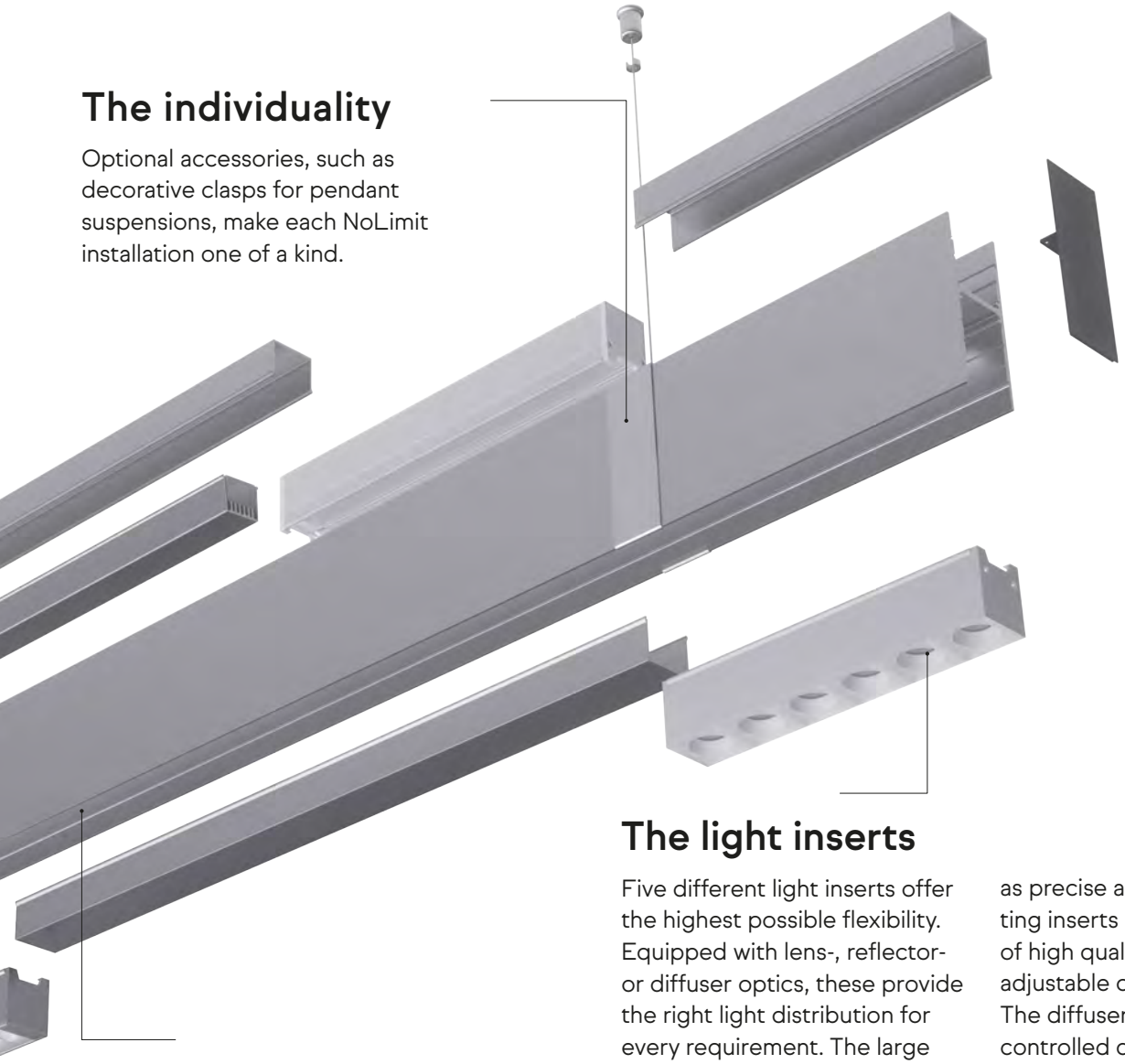
The operating devices can be installed within the profiles or mounted externally.



The basis of NoLimit is a modular kit, which is made up of clearly defined components: profiles, light inserts and operating devices. All parts are designed to work together and are conceived for simple configuration. NoLimit is an open system which grows and which continually adapts to new requirements.

The individuality

Optional accessories, such as decorative clasps for pendant suspensions, make each NoLimit installation one of a kind.



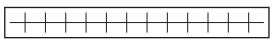
The accessories

The accessories complement NoLimit's lighting performance. The range includes all profile covers, as well as all the necessary contact elements for Low Power (3-pole), Mid Power Linear (4-pole) and High Power (4-pole). It also includes simple plug-in extension cables of various lengths as well as a short-circuit connector for the current-controlled Mid Power Linear and High Power modules.

The light inserts

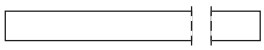
Five different light inserts offer the highest possible flexibility. Equipped with lens-, reflector- or diffuser optics, these provide the right light distribution for every requirement. The large selection of beam angles and a body that can be either fixed or swivelled and rotated enable efficient general lighting as well as precise accentuation. All lighting inserts provide white light of high quality and optionally adjustable colour temperature. The diffuser version can also be controlled dynamically in terms of coloured light and is therefore ideal for orientation lighting and creative illumination concepts.

High Power Optics

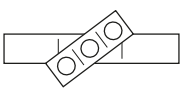


High Power Reflector

High Power Accent



Low or Mid Power Linear

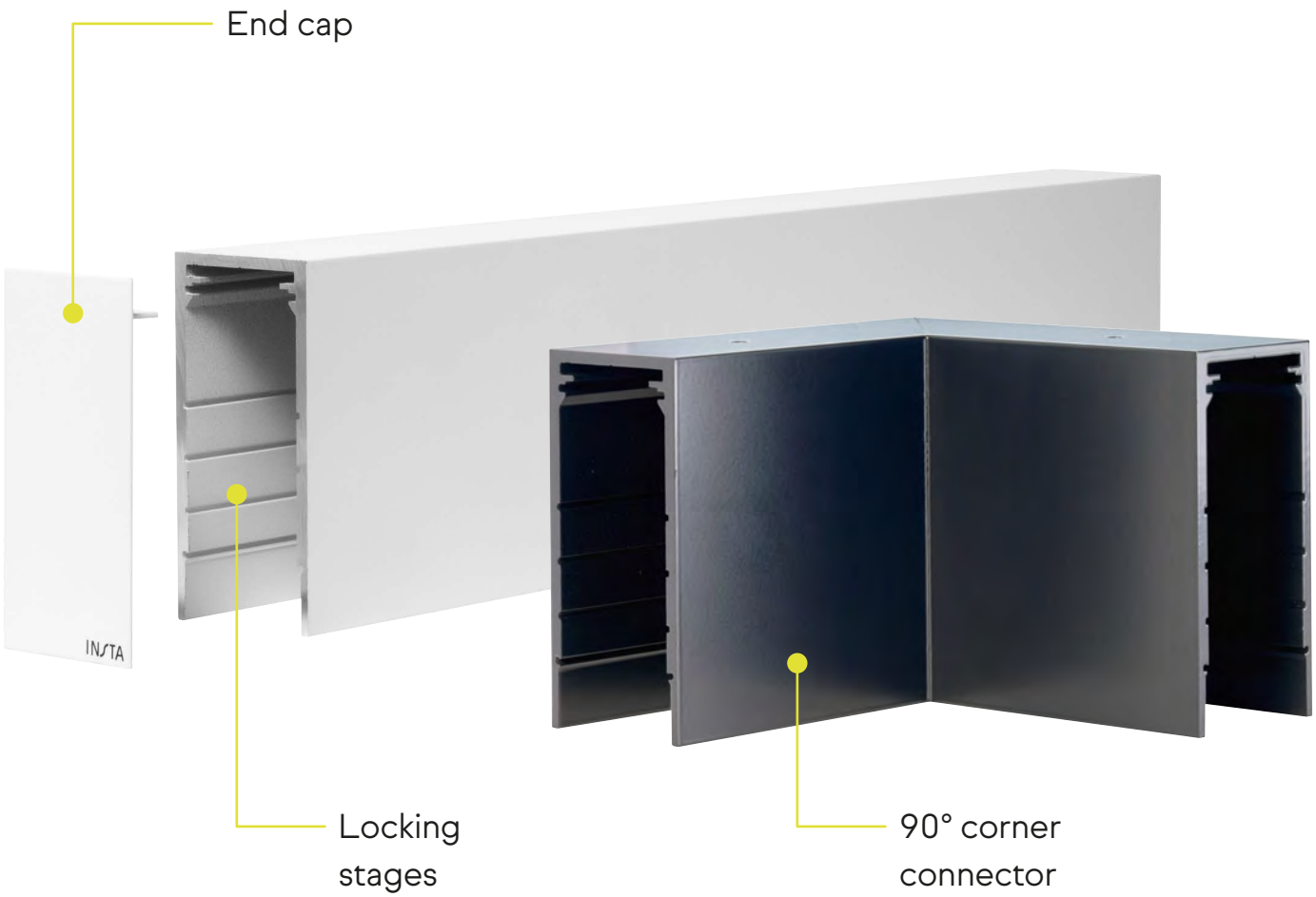


Spot

RGBW

TW

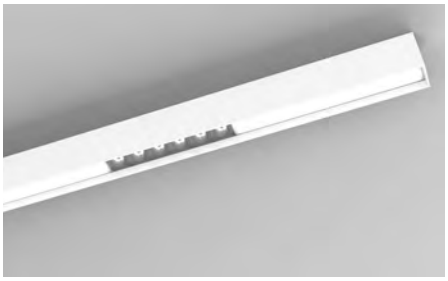
The profiles
Precise & compact



The profiles are available in two powder coatings as standard: black (RAL 9011 silk matt) and white (RAL 9016 silk matt). Six different profile geometries are available for installation, surface mounting, recessed or pendant, offering you maximum flexibility. On request also permitted beyond the standard lengths of 2.3m, NoLimit can be made to measure for a seamless finish. Light inserts and operating units are integrated into the profiles without need of tools using a standardised fastening system. This “snap-in” method ensures flexibility including the opportunity for subsequent modifications later on should they be needed.

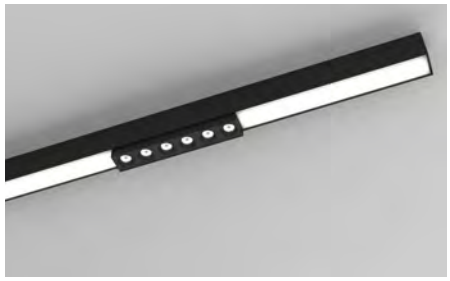
Slender aesthetics & varied combination options

Create an interaction between housings and surfaces which you can either use to contrast or complement your surroundings. The consistent black and white line routing offers you huge potential possibilities in which to transform your space. The modular kit system means that all elements can be combined, whether recessed or raised. Here you can see how different lighting inserts can be simply brought together to create your perfect lighting.



Profile in RAL 9016 combination with the High Power Optics and High Power Linear light inserts

Profile in RAL 9016 in combination with the High Power Optics light insert and a profile cover in RAL 9011



Profile in RAL 9011 in combination with the High Power Linear and High Power Optics light inserts in RAL 9011

Excellent High Power Reflector light insert in combination with High Power Linear light insert

Recessed High Power Reflector light insert in frameless ceiling installation profile

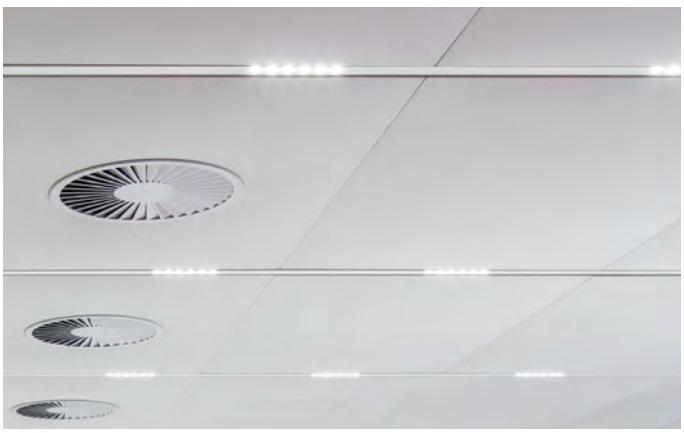
High Power Reflector light insert as pendant luminaire in combination with High Power Linear light inserts for indirect ceiling lighting

Slender & efficient

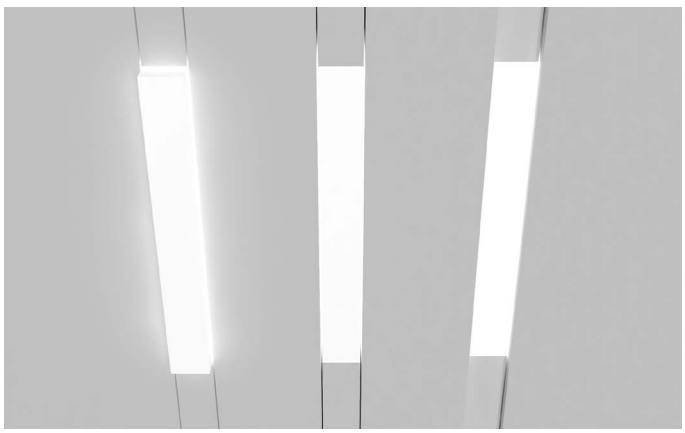
With a width of only about 4 cm and a standard length of 2.30 m, these profiles set completely new standards in dimensioning lightline systems. They allow for a precise and seamless feed along walls and ceilings.

Variable lighting effects

Adjustable lighting levels within the profiles adds another feature to the design. The light inserts are fitted within the profiles, and can there be locked into either a flush-mounted, recessed or protruded position.



Gap-free line routing

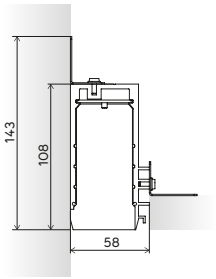


Light inserts in three locking positions: protruding, ceiling-flush, recessed

The profiles

Light cove around a corner

For perfect transitions.
Offers three locking stages: recessed, flush, protruding.

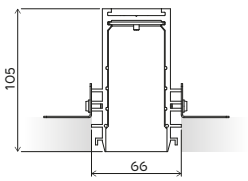


Article description	Article number
☐ **Light cove around a corner** RAL 9016 2.30 m	il 4033_MK_VT_WH
■ **Light cove around a corner** RAL 9011 2.30 m	il 4033_MK_VT_BL

Accessories	Article number
☐ **Front cap set** Frameless ceiling recess profile and light cove around a corner RAL 9016 2 x front cap + fastening material	il 4033_EP_SK_WH
■ **Front cap set** Frameless ceiling recess profile and light cove around a corner RAL 9011 2 x front cap + fastening material	il 4033_EP_SK_BL
Straight profile connector set 2 x connection pin + 1 x profile connector + fastening material	il 4033_LPV
Fastening bracket set Frameless ceiling recess profile and light cove around a corner 2 x fastening brackets + fastening material	il 4033_EPVT_BW
Protection cover plastic 2.30 m	il 4033_ZM_M_001
Cable bracket set 10 x cable bracket	il 4033_ZM_K_001
☐ **90° corner connector** 150 x 150 mm, RAL 9016	il 4033_EW90_VT_WH
■ **90° corner connector** 150 x 150 mm, RAL 9011	il 4033_EW90_VT_BL

Ceiling recess profile, frameless

Smooth and variable solution.
For ceilings 12.5 – 25 mm. Offers three locking stages: recessed, flush, protruding.

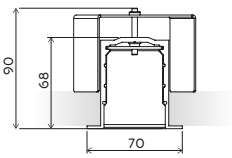


Article description	Article number
☐ **Frameless ceiling recess profile** RAL 9016 2.30 m	il 4033_MK_EP_WH
■ **Frameless ceiling recess profile** RAL 9011 2.30 m	il 4033_MK_EP_BL

Accessories	Article number
☐ **Front cap set** Frameless ceiling recess profile and light cove around a corner RAL 9016 2 x front cap + fastening material	il 4033_EP_SK_WH
■ **Front cap set** Frameless ceiling recess profile and light cove around a corner RAL 9011 2 x front cap + fastening material	il 4033_EP_SK_BL
Straight profile connector set 2 x connection pin + 1 x profile connector + fastening material	il 4033_LPV
Fastening bracket set Frameless ceiling recess profile and light cove around a corner, 2 x fastening bracket + fastening material	il 4033_EPVT_BW
Protection cover plastic 2.30 m	il 4033_ZM_M_001
Cable bracket set 10 x cable bracket	il 4033_ZM_K_001
☐ **90° corner connector** 150 x 150 mm, RAL 9016	il 4033_EW90_EP_WH
■ **90° corner connector** 150 x 150 mm, RAL 9011	il 4033_EW90_EP_BL

Ceiling recess profile with frame

Sets a visible accent.
Offers two locking stages: flush, protruding.

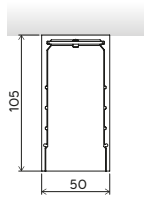


Article description	Article number
☐ **Ceiling recess profile with frame** RAL 9016 2.30 m	il 4033_MK_EB_R_WH
■ **Ceiling recess profile with frame** RAL 9011 2.30 m	il 4033_MK_EB_R_BL

Accessories	Article number
☐ **Front cap set** Ceiling recess profile with frame RAL 9016 2 x front cap + fastening material	il 4033_EB_SK_R_WH
■ **Front cap set** Ceiling recess profile with frame RAL 9011 2 x front cap + fastening material	il 4033_EB_SK_R_BL
Straight profile connector set 2 x connection pin + 1 x profile connector + fastening material	il 4033_LPV
Swivel clamp set Ceiling recess profile with frame, 2 x swivel clamp + fastening material	il 4033_EB_R_SB
Swivel clamp for ceiling 1 mm bis 12.50 mm	il 4033_EB_R_SB 1–12.5
Cable bracket set 10 x cable bracket	il 4033_ZM_K_001
☐ **90° corner connector** 150 x 150 mm, RAL 9016	il 4033_EW90_EB_R_WH
■ **90° corner connector** 150 x 150 mm, RAL 9011	il 4033_EW90_EB_R_BL

Surface mount profile, large

A strong format.
Offers three locking stages: recessed, flush, protruding.

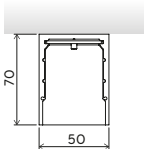


Article description	Article number
☐ **Surface mount profile**, large RAL 9016 2.30 m	il 4033_MK_AB_H_WH
■ **Surface mount profile**, large RAL 9011 2.30 m	il 4033_MK_AB_H_BL

Accessories	Article number
☐ **Front cap set** Surface mount profile, large RAL 9016 2 x front cap + fastening material	il 4033_AB_SK_H_WH
■ **Front cap set** Surface mount profile, large RAL 9011 2 x front cap + fastening material	il 4033_AB_SK_H_BL
Straight profile connector set 2 x connection pin + 1 x profile connector + fastening material	il 4033_LPV
Cable bracket set 10 x cable bracket	il 4033_ZM_K_001
☐ **90° corner connector** 150 x 150 mm, RAL 9016	il 4033_EW90_AB_H_WH
■ **90° corner connector** 150 x 150 mm, RAL 9011	il 4033_EW90_AB_H_BL

Surface mount profile, small

A subtle look.
Offers two locking stages: flush, protruding.

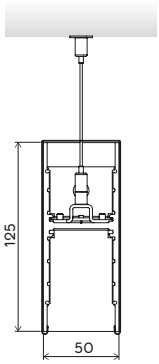


Article description	Article number
☐ **Surface mount profile, small** RAL 9016 2.30 m	il 4033_MK_AB_F_WH
■ **Surface mount profile, small** RAL 9011 2.30 m	il 4033_MK_AB_F_BL

Accessories	Article number
☐ **Front cap set** Surface mount profile, small RAL 9016 2 x front cap + fastening material	il 4033_AB_SK_F_WH
■ **Front cap set** Surface mount profile, small RAL 9011 2 x front cap + fastening material	il 4033_AB_SK_F_BL
Straight profile connector set 2 x connection pin + 1 x profile connector + fastening material	il 4033_LPV
Cable bracket set 10 x cable bracket	il 4033_ZM_K_001
☐ **90° corner connector** 150 x 150 mm, RAL 9016	il 4033_EW90_AB_F_WH
■ **90° corner connector** 150 x 150 mm, RAL 9011	il 4033_EW90_AB_F_BL

Pendant profile

Combines direct and indirect light.
Offers three locking stages downwards, two upwards.

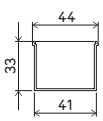


Article description	Article number
☐ **Pendant profile** RAL 9016 2.30 m	il 4033_MK_PE_WH
■ **Pendant profile** RAL 9011 2.30 m	il 4033_MK_PE_BL

Accessories	Article number
☐ **Front cap set** Pendant profile RAL 9016 2 x front cap + fastening material	il 4033_PE_SK_WH
■ **Front cap set** Pendant profile RAL 9011 2 x front cap + fastening material	il 4033_PE_SK_BL
Straight profile connector set 2 x connection pin + 1 x profile connector + fastening material	il 4033_LPV
Pendant profile decorative clasp set 2 x clasp	il 4033_PE_B_S
Pendant profile cable + fastening set 2 x cables + 2 x suspenders + fastening mat.	il 4033_PE_B
Pendant profile connecting cable set 1 x 3 m cable, 5-pole, transparent 1.50 mm²	il 4033_PE_AL_PE
Pendant profile canopy set, white 1 x canopy	il 4033_PE_BA_WH
Cable bracket set 10 x cable bracket	il 4033_ZM_K_001
☐ **90° corner connector** 150 x 150 mm, RAL 9016	il 4033_EW90_PE_WH
■ **90° corner connector** 150 x 150 mm, RAL 9011	il 4033_EW90_PE_BL

Profile cover

For a tidy closure without escaping light.



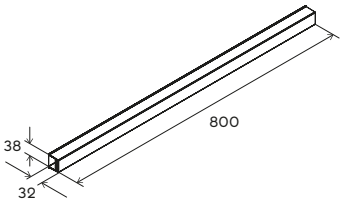
Article description	Article number
☐ **Profile cover** RAL 9016 2.30 m	il 4033_BA_WH
■ **Profile cover** RAL 9011 2.30 m	il 4033_BA_BL

Operating devices & accessories

> Detailed information can be found on www.instalighting.de

Operating device for Low Power modules

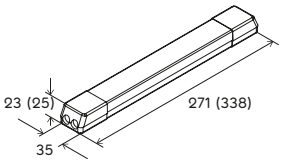
Within the profile.
Placement within the mounting profiles with through wiring.



Overall size (mm) L	W	H	Rated voltage, AC (V)	max. network power (W)	LI min	LI max	Interface	Secondary	Protection class	Article number
800	38	32	220 – 240	67	0	105	-	24 V DC	I	**il 4033_CV_60**

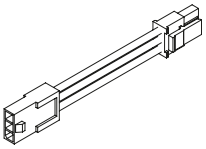
Operating devices for Low Power modules

Outside the profile.
Placement outside the mounting profiles with strain relief.



Overall size (mm) L	W	H	Rated voltage, AC (V)	max. network power (W)	LI min	LI max	Interface	Secondary	Protection class	Article number
271	35	23	220 – 240	67	0	105	-	24 V DC	II	il 4033_CV_60_E
338	35	25	220 – 240	110	0	177	-	24 V DC	II	il 4033_CV_100_E

Secondary cable routing for Low Power modules



Article description	Article number
Extension cable, 0.5 m	il_ZLE_IP20_001
Extension cable, 1 m	il_ZLE_IP20_002
Extension cable, 2 m	il_ZLE_IP20_005
Cable bracket (10 units)	il 4033 ZM K 001

Article description	Article number
Shunt A	il_ZL_IP20_002
Shunt M	il_ZL_IP20_003

Operating devices for Mid Power Linear and High Power modules

Within the profile.
Placement within the mounting profiles with through wiring.

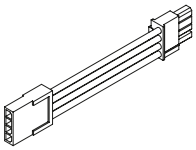
Overall size (mm) L	W	H	Rated voltage, AC (V)	Max. network power (W)	LI min	LI max	Interface	Secondary	Protection class	Article number
800	38	32	220–240	56	26	90	-	900 mA	I	il 4033_CC_50
800	38	32	220–240	55	26	90	DALI	900 mA	I	il 4033_CC_50_DA
800	38	32	220–240	99	68	2 x 86	2 x DALI	900 mA	I	il 4033_CC_85_2DA
800	38	32	220–240	96	2x34	2x77	2 x DALI	900 mA	I TW / DT6	il 4033_CC_85_DA _TW
800	38	32	220–240	56	34	77	DALI	900 MA	I TW / DT8	il 4033_CC_50_DA_DT8_TW

Operating devices for Mid Power Linear and High Power modules

Outside the profile.
Placement outside the mounting profiles with strain relief.

Overall size (mm) L	W	H	Rated voltage, AC (V)	Max. network power (W)	LI min	LI max	Interface	Secondary	Protection class	Article number
153	76	30	120–250	64	4	90	DALI	900 mA	I	il 4033_CC_50_DA_E
385	85	40	120–250	128	4	2 x 90	2 x DALI	900 mA	I	il 4033_CC_100_2DA_E
385	85	40	120–250	128	8	180	2 x DALI	900 mA	I TW / DT6	il 4033_CC_100_DA_TW_E
580	67	35	220–240	56	34	77	DALI	900 mA	I TW / DT8	il 4033_CC_50_DA_DT8_TW_E

Secondary cable routing for Mid Power Linear and High Power modules (version 2700 K, 3000 K, 4000 K and TW in DT6 and DT8)



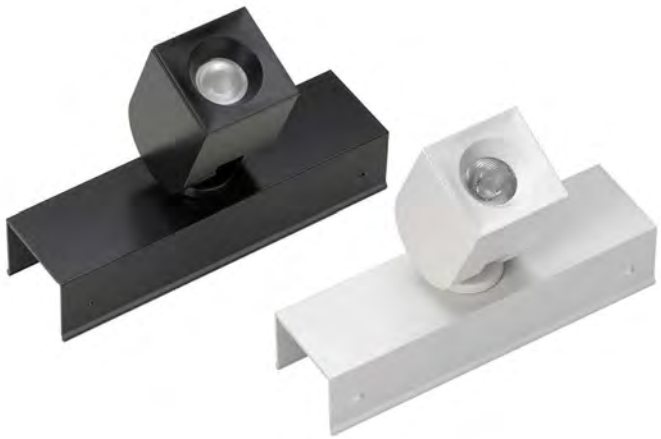
Article description	Article number
Extension cable 0.5 m	il 4033_VL_4P_M_5
Extension cable 1 m	il 4033_VL_4P_M_10
Extension cable 2 m	il 4033_VL_4P_M_20
Cable bracket (10 pieces)	il 4033 ZM K 001
Short-circuit connector	il 4033_KSS

Article description	Article number
Extension cable 4p DT8 0.5 m	il 4033_VL_Q4P M 5
Extension cable 4p DT8 1 m	il 4033_VL_Q4P_M_10
Extension cable 4p DT8 2 m	il 4033_VL_Q4P_M_20
Short-circuit connector DT8	il 4033_Q4_KSS

Secondary cable routing for High Power modules in the TW version in DT8.

instalight NoLimit 4033 high power spot single

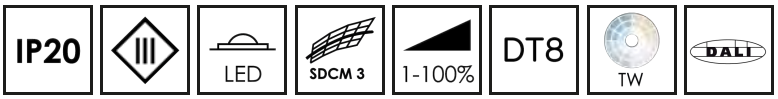
Rotatable and swivelling light insert



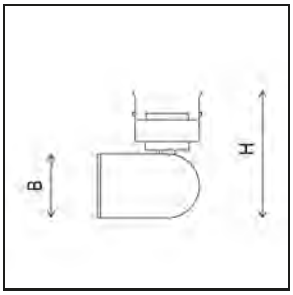
The spotlight modules, which are available in three power classes, can be infinitely rotated and swivelled as well as freely positioned in all profiles of the instalight NoLimit system.
With up to six light outlets, high luminance levels can be achieved in accent lighting.
The precision optics create a high quality of light.

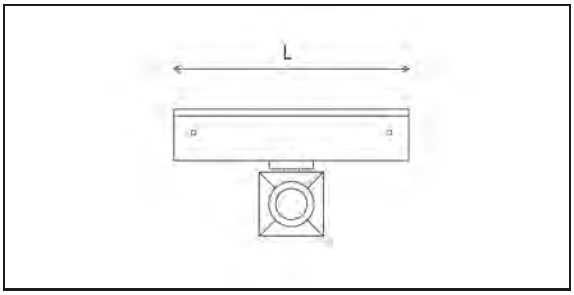
Main Features

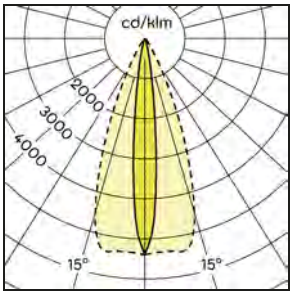
> Spotlight, which can be infinitely rotated and swivelled to all sides
> Ideal for lighting situations that require frequent adaptions
> Homogeneous light mixture within one single optic with Tunable White
> Precise light projection for all light colours
> Free placement and positioning inside of the NoLimit system profile
> Three different optics (spot, medium and oval), three different light colours as well as a Tunable White version provide a very wide range of design possibilities.
> The engagement position, which can be selected in three stages for all modules, allows further adaptation to the ceiling level and the chosen lighting strategy



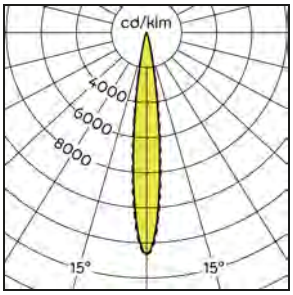
Product Variations



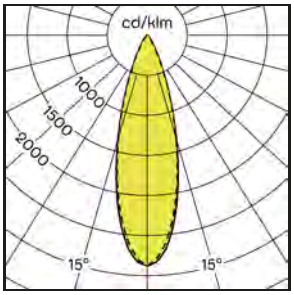




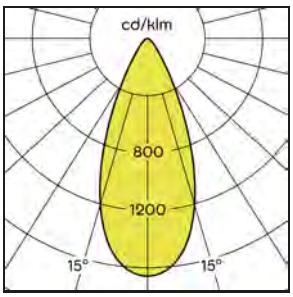
12° X 43°



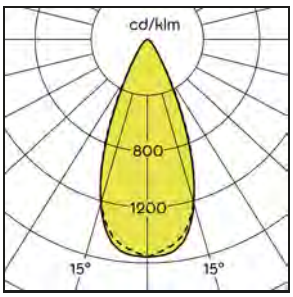
14°



30°



43°



45°

				P	Optics dir.	Max. lumin. flux	Light colour	Housing colour
il4033_HS827X_B30_0041_CC_XX01				2.7 W	30°	260 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W30_0041_CC_XX01				2.7 W	30°	270 lm	2700 K	RAL 9016 (traffic white)
il4033_HS830X_B30_0041_CC_XX01				2.7 W	30°	290 lm	3000 K	RAL 9011 (Black)
il4033_HS840X_B30_0041_CC_XX01				2.7 W	30°	290 lm	4000 K	RAL 9011 (Black)
il4033_HS840X_W30_0041_CC_XX01				2.7 W	30°	300 lm	4000 K	RAL 9016 (traffic white)
il4033_HS830X_W30_0041_CC_XX01				2.7 W	30°	300 lm	3000 K	RAL 9016 (traffic white)
il4033_HS827X_B45_0041_CC_XX01				2.7 W	45°	245 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W45_0041_CC_XX01				2.7 W	45°	255 lm	2700 K	RAL 9016 (traffic white)
il4033_HS830X_B45_0041_CC_XX01				2.7 W	45°	280 lm	3000 K	RAL 9011 (Black)
il4033_HS840X_B45_0041_CC_XX01				2.7 W	45°	280 lm	4000 K	RAL 9011 (Black)
il4033_HS840X_W45_0041_CC_XX01				2.7 W	45°	285 lm	4000 K	RAL 9016 (traffic white)
il4033_HS830X_W45_0041_CC_XX01				2.7 W	45°	285 lm	3000 K	RAL 9016 (traffic white)
il4033_HS2750_B43_0041_CC_XX01				3 W	43°	250 lm	2700 ... 5000 K (TW)	RAL 9011 (Black)
il4033_HS2750_W43_0041_CC_XX01				3 W	43°	260 lm	2700 ... 5000 K (TW)	RAL 9016 (traffic white)
il4033_HS827X_B14_0041_CC_XX01				2.7 W	14°	270 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W14_0041_CC_XX01				2.7 W	14°	280 lm	2700 K	RAL 9016 (traffic white)
il4033_HS830X_B14_0041_CC_XX01				2.7 W	14°	310 lm	3000 K	RAL 9011 (Black)
il4033_HS840X_B14_0041_CC_XX01				2.7 W	14°	310 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_W14_0041_CC_XX01				2.7 W	14°	320 lm	3000 K	RAL 9016 (traffic white)
il4033_HS840X_W14_0041_CC_XX01				2.7 W	14°	320 lm	4000 K	RAL 9016 (traffic white)
il4033_HS827X_B5C_0041_CC_XX01				2.7 W	12° X 43°	260 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W5C_0041_CC_XX01				2.7 W	12° X 43°	270 lm	2700 K	RAL 9016 (traffic white)
il4033_HS830X_B5C_0041_CC_XX01				2.7 W	12° X 43°	285 lm	3000 K	RAL 9011 (Black)
il4033_HS840X_B5C_0041_CC_XX01				2.7 W	12° X 43°	285 lm	4000 K	RAL 9011 (Black)
il4033_HS840X_W5C_0041_CC_XX01				2.7 W	12° X 43°	295 lm	4000 K	RAL 9016 (traffic white)
il4033_HS830X_W5C_0041_CC_XX01				2.7 W	12° X 43°	295 lm	3000 K	RAL 9016 (traffic white)

Specifications

Power Index Li	6
Degree of protection	IP20
Protection class	III
Optics	Clear
Ambient temperature	5°C ... 45°C
Length (L)	150 mm
Width (B)	41 mm
Height (H)	105 mm

Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	depending on the driver
Weight	0.4 kg
Nominal current	900 mA
Service life (L80/B10)	60,000 h (at 25°C)
Colour consistency	SDCM 3
Housing material	Aluminium

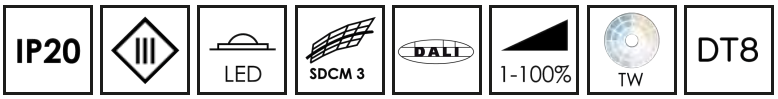
instalight NoLimit 4033 high power spot triple

Rotatable and swivelling light insert

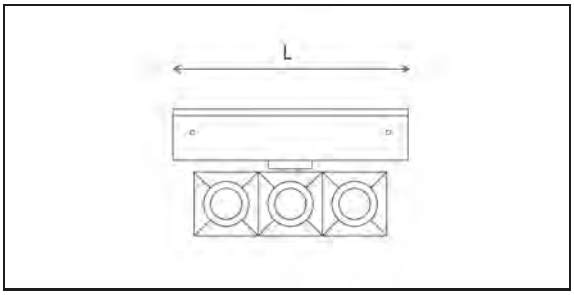
The spotlight modules, which are available in three power classes, can be infinitely rotated and swivelled as well as freely positioned in all profiles of the instalight NoLimit system.
With up to six light outlets, high luminance levels can be achieved in accent lighting.
The precision optics create a high quality of light.

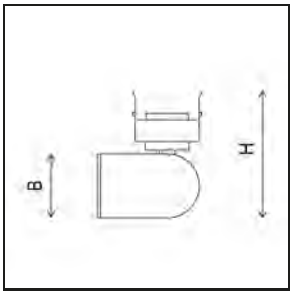
Main Features

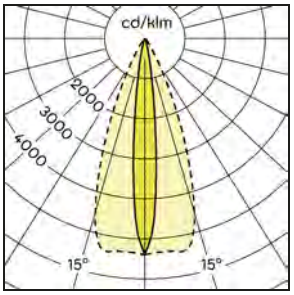
> Spotlight, which can be infinitely rotated and swivelled to all sides
> Ideal for lighting situations that require frequent adaptions
> Homogeneous light mixture within one single optic with Tunable White
> Precise light projection for all light colours
> Free placement and positioning inside of the NoLimit system profile
> Three different optics (spot, medium and oval), three different light colours as well as a Tunable White version provide a very wide range of design possibilities
> The engagement position, which can be selected in three stages for all modules, allows further adaptation to the ceiling level and the chosen lighting strategy



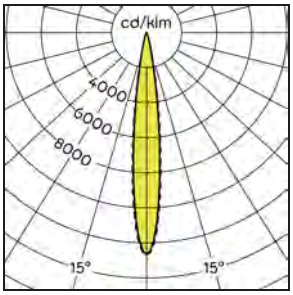
Product Variations



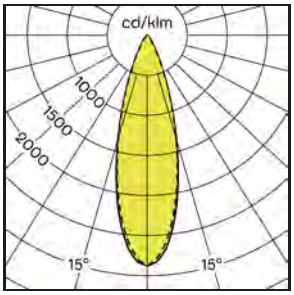




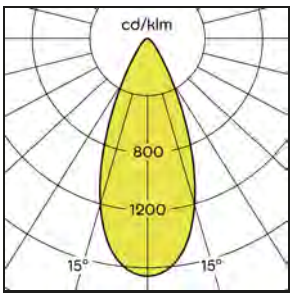
12° X 43°



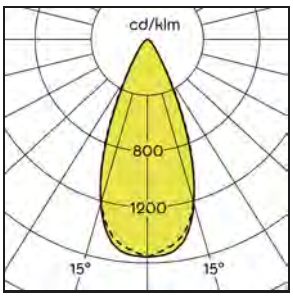
14°



30°



43°



45°

				P	Optics dir.	Max. lumin. flux	Light colour	Housing colour
il4033_HS827X_B30_0123_CC_XX01				8 W	30°	780 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W30_0123_CC_XX01				8 W	30°	800 lm	2700 K	RAL 9016 (traffic white)
il4033_HS840X_B30_0123_CC_XX01				8 W	30°	875 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_B30_0123_CC_XX01				8 W	30°	875 lm	3000 K	RAL 9011 (Black)
il4033_HS830X_W30_0123_CC_XX01				8 W	30°	900 lm	3000 K	RAL 9016 (traffic white)
il4033_HS840X_W30_0123_CC_XX01				8 W	30°	900 lm	4000 K	RAL 9016 (traffic white)
il4033_HS827X_B45_0123_CC_XX01				8 W	45°	735 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W45_0123_CC_XX01				8 W	45°	760 lm	2700 K	RAL 9016 (traffic white)
il4033_HS840X_B45_0123_CC_XX01				8 W	45°	830 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_B45_0123_CC_XX01				8 W	45°	830 lm	3000 K	RAL 9011 (Black)
il4033_HS830X_W45_0123_CC_XX01				8 W	45°	855 lm	3000 K	RAL 9016 (traffic white)
il4033_HS840X_W45_0123_CC_XX01				8 W	45°	855 lm	4000 K	RAL 9016 (traffic white)
il4033_HS2750_B43_0123_CC_XX01				8.5 W	43°	750 lm	2700 ... 5000 K (TW)	RAL 9011 (Black)
il4033_HS2750_W43_0123_CC_XX01				8.5 W	43°	790 lm	2700 ... 5000 K (TW)	RAL 9016 (traffic white)
il4033_HS827X_B14_0123_CC_XX01				8 W	14°	810 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W14_0123_CC_XX01				8 W	14°	835 lm	2700 K	RAL 9016 (traffic white)
il4033_HS840X_B14_0123_CC_XX01				8 W	14°	925 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_B14_0123_CC_XX01				8 W	14°	925 lm	3000 K	RAL 9011 (Black)
il4033_HS830X_W14_0123_CC_XX01				8 W	14°	955 lm	3000 K	RAL 9016 (traffic white)
il4033_HS840X_W14_0123_CC_XX01				8 W	14°	955 lm	4000 K	RAL 9016 (traffic white)
il4033_HS827X_B5C_0123_CC_XX01				8 W	12° X 43°	770 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W5C_0123_CC_XX01				8 W	12° X 43°	800 lm	2700 K	RAL 9016 (traffic white)
il4033_HS830X_B5C_0123_CC_XX01				8 W	12° X 43°	855 lm	3000 K	RAL 9011 (Black)
il4033_HS840X_B5C_0123_CC_XX01				8 W	12° X 43°	855 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_W5C_0123_CC_XX01				8 W	12° X 43°	880 lm	3000 K	RAL 9016 (traffic white)
il4033_HS840X_W5C_0123_CC_XX01				8 W	12° X 43°	880 lm	4000 K	RAL 9016 (traffic white)

Specifications

Power Index Li	16
Degree of protection	IP20
Protection class	III
Optics	Clear
Ambient temperature	5°C ... 45°C
Length (L)	150 mm
Width (B)	41 mm
Height (H)	105 mm

Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	depending on the driver
Weight	0.6 kg
Nominal current	900 mA
Service life (L80/B10)	60,000 h (at 25°C)
Colour consistency	SDCM 3
Housing material	Aluminium

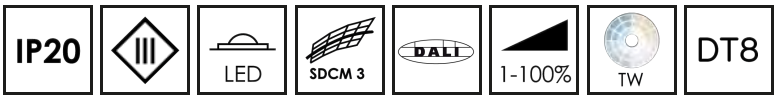
instalight NoLimit 4033 high power spot sixfold

Rotatable and swivelling light insert

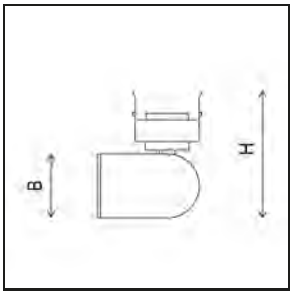
The spotlight modules, which are available in three power classes, can be infinitely rotated and swivelled as well as freely positioned in all profiles of the instalight NoLimit system.
With up to six light outlets, high luminance levels can be achieved in accent lighting.
The precision optics create a high quality of light.

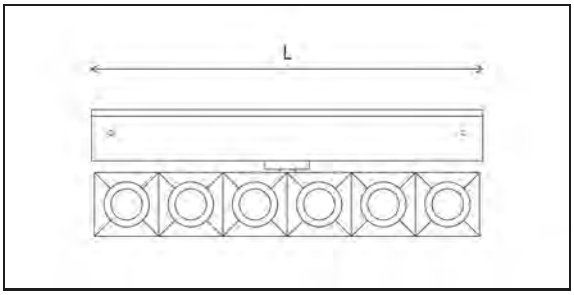
Main Features

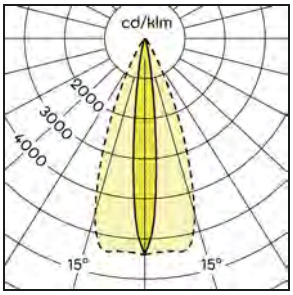
> Spotlight, which can be infinitely rotated and swivelled to all sides
> Ideal for lighting situations that require frequent adaptions
> Homogeneous light mixture within one single optic with Tunable White
> Precise light projection for all light colours
> Free placement and positioning inside of the NoLimit system profile
> Three different optics (spot, medium and oval), three different light colours as well as a Tunable White version provide a very wide range of design possibilities.
> The engagement position, which can be selected in three stages for all modules, allows further adaptation to the ceiling level and the chosen lighting concept



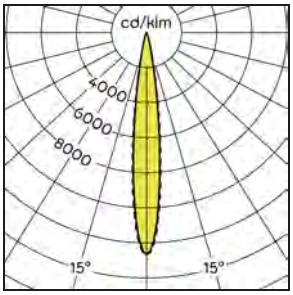
Product Variations



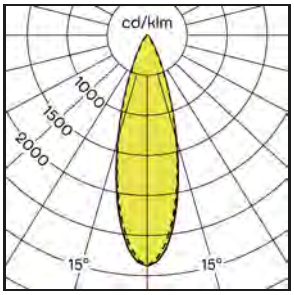




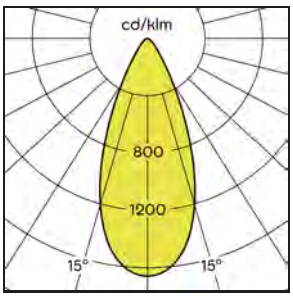
12° X 43°



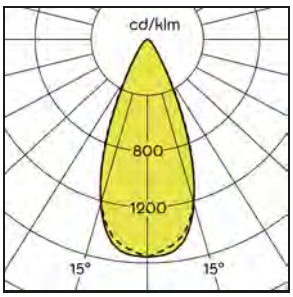
14°



30°



43°



45°

			LI		P	Optics dir.	Max. lumin. flux	Light colour	Housing colour
il4033_HS827X_B30_0246_CC_XX01			31		16 W	30°	1560 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W30_0246_CC_XX01			31		16 W	30°	1600 lm	2700 K	RAL 9016 (traffic white)
il4033_HS840X_B30_0246_CC_XX01			31		16 W	30°	1750 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_B30_0246_CC_XX01			31		16 W	30°	1750 lm	3000 K	RAL 9011 (Black)
il4033_HS840X_W30_0246_CC_XX01			31		16 W	30°	1800 lm	4000 K	RAL 9016 (traffic white)
il4033_HS830X_W30_0246_CC_XX01			31		16 W	30°	1800 lm	3000 K	RAL 9016 (traffic white)
il4033_HS827X_B45_0246_CC_XX01			31		16 W	45°	1470 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W45_0246_CC_XX01			31		16 W	45°	1515 lm	2700 K	RAL 9016 (traffic white)
il4033_HS840X_B45_0246_CC_XX01			31		16 W	45°	1660 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_B45_0246_CC_XX01			31		16 W	45°	1660 lm	3000 K	RAL 9011 (Black)
il4033_HS830X_W45_0246_CC_XX01			31		16 W	45°	1710 lm	3000 K	RAL 9016 (traffic white)
il4033_HS840X_W45_0246_CC_XX01			31		16 W	45°	1710 lm	4000 K	RAL 9016 (traffic white)
il4033_HS827X_B14_0246_CC_XX01			31		16 W	14°	1620 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W14_0246_CC_XX01			31		16 W	14°	1670 lm	2700 K	RAL 9016 (traffic white)
il4033_HS840X_B14_0246_CC_XX01			31		16 W	14°	1850 lm	4000 K	RAL 9011 (Black)
il4033_HS830X_B14_0246_CC_XX01			31		16 W	14°	1850 lm	3000 K	RAL 9011 (Black)
il4033_HS830X_W14_0246_CC_XX01			31		16 W	14°	1910 lm	3000 K	RAL 9016 (traffic white)
il4033_HS840X_W14_0246_CC_XX01			31		16 W	14°	1910 lm	4000 K	RAL 9016 (traffic white)
il4033_HS2750_B43_0246_CC_XX01			32		17 W	43°	1500 lm	2700 ... 5000 K (TW)	RAL 9011 (Black)
il4033_HS2750_W43_0246_CC_XX01			32		17 W	43°	1580 lm	2700 ... 5000 K (TW)	RAL 9016 (traffic white)
il4033_HS827X_B5C_0246_CC_XX01			31		16 W	12° X 43°	1540 lm	2700 K	RAL 9011 (Black)
il4033_HS827X_W5C_0246_CC_XX01			31		16 W	12° X 43°	1590 lm	2700 K	RAL 9016 (traffic white)
il4033_HS830X_B5C_0246_CC_XX01			31		16 W	12° X 43°	1710 lm	3000 K	RAL 9011 (Black)
il4033_HS840X_B5C_0246_CC_XX01			31		16 W	12° X 43°	1710 lm	4000 K	RAL 9011 (Black)
il4033_HS840X_W5C_0246_CC_XX01			31		16 W	12° X 43°	1760 lm	4000 K	RAL 9016 (traffic white)
il4033_HS830X_W5C_0246_CC_XX01			31		16 W	12° X 43°	1760 lm	3000 K	RAL 9016 (traffic white)

Specifications

Degree of protection	IP20
Protection class	III
Optics	Clear
Ambient temperature	5°C ... 45°C
Length (L)	250 mm
Width (B)	41 mm
Height (H)	105 mm

Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	depending on the driver
Weight	1 kg
Nominal current	900 mA
Service life (L80/B10)	60,000 h (at 25°C)
Colour consistency	SDCM 3
Housing material	Aluminium

instalight NoLimit 4033 High Power Accent light insert

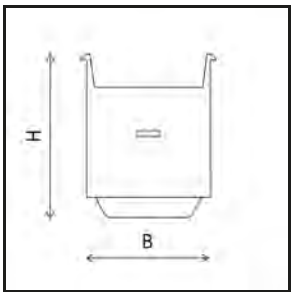
Miniature light insert

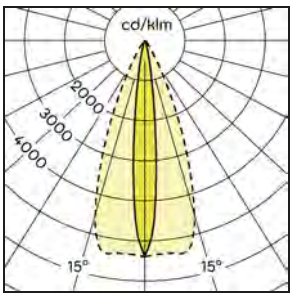
The High Power Accent modules are perfectly suited for highlights and accents. With High Power Accent, the exact volume of light can be controlled by adjusting the number of modules employed. Each module is also adjustable, so that any alignment can also be precisely made.

Main Features

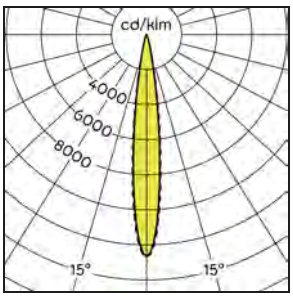
> Light unit can be rotated variably to all sides and is easy to align exactly
> Highest flexibility in design of planning to realisation
> Tunable White (2700 K - 5000 K), free of artefacs and perfectly mixed from one optic

Product Variations

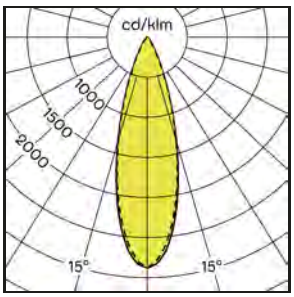




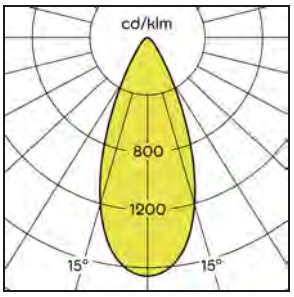
12° X 43°



14°



30°



43°

			LI		Optics dir.	Max. lumin. flux	Light colour	Housing colour
il4033_HA2750_B43_0041_CC_XX01			5		43°	210 lm	2700 ... 5000 K (TW)	RAL 9011 (Black)
il4033_HA2750_W43_0041_CC_XX01			5		43°	220 lm	2700 ... 5000 K (TW)	RAL 9016 (traffic white)
il4033_HA827X_B30_0041_CC_XX01			6		30°	255 lm	2700 K	RAL 9011 (Black)
il4033_HA830X_B30_0041_CC_XX01			6		30°	255 lm	3000 K	RAL 9011 (Black)
il4033_HA827X_W30_0041_CC_XX01			6		30°	265 lm	2700 K	RAL 9016 (traffic white)
il4033_HA830X_W30_0041_CC_XX01			6		30°	265 lm	3000 K	RAL 9016 (traffic white)
il4033_HA840X_B30_0041_CC_XX01			6		30°	275 lm	4000 K	RAL 9011 (Black)
il4033_HA840X_W30_0041_CC_XX01			6		30°	285 lm	4000 K	RAL 9016 (traffic white)
il4033_HA830X_B14_0041_CC_XX01			6		14°	270 lm	3000 K	RAL 9011 (Black)
il4033_HA827X_B14_0041_CC_XX01			6		14°	270 lm	2700 K	RAL 9011 (Black)
il4033_HA827X_W14_0041_CC_XX01			6		14°	280 lm	2700 K	RAL 9016 (traffic white)
il4033_HA830X_W14_0041_CC_XX01			6		14°	280 lm	3000 K	RAL 9016 (traffic white)
il4033_HA840X_B14_0041_CC_XX01			6		14°	290 lm	4000 K	RAL 9011 (Black)
il4033_HA840X_W14_0041_CC_XX01			6		14°	300 lm	4000 K	RAL 9016 (traffic white)
il4033_HA827X_B5C_0041_CC_XX01			6		12° X 43°	255 lm	2700 K	RAL 9011 (Black)
il4033_HA830X_B5C_0041_CC_XX01			6		12° X 43°	255 lm	3000 K	RAL 9011 (Black)
il4033_HA827X_W5C_0041_CC_XX01			6		12° X 43°	265 lm	2700 K	RAL 9016 (traffic white)
il4033_HA830X_W5C_0041_CC_XX01			6		12° X 43°	265 lm	3000 K	RAL 9016 (traffic white)
il4033_HA840X_B5C_0041_CC_XX01			6		12° X 43°	275 lm	4000 K	RAL 9011 (Black)
il4033_HA840X_W5C_0041_CC_XX01			6		12° X 43°	285 lm	4000 K	RAL 9016 (traffic white)

Specifications

Power consumption	3 W
Degree of protection	IP20
Protection class	III
Optics	Clear
Ambient temperature	5 °C ... 25 °C ... 45 °C
Length (L)	41 mm
Width (B)	41 mm

Height (H)	54 mm
Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	depending on the driver
Weight	0.05 kg
Nominal current	900 mA
Service life (L80/B10)	60,000 h (at 25°C)
Housing material	Aluminium

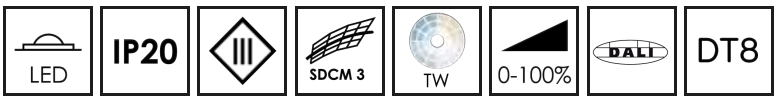
instalight NoLimit 4033 High Power Optics light insert

Light insert optics

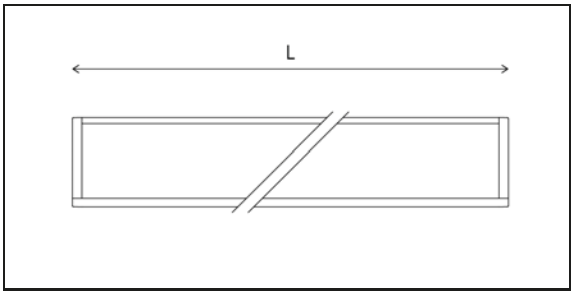
The High Power Optics light inserts are ideally suited to complex applications within the field of general and accent lighting. The precision optics provide for an exact light focus and homogeneous illumination with excellent glare suppression at the same time.

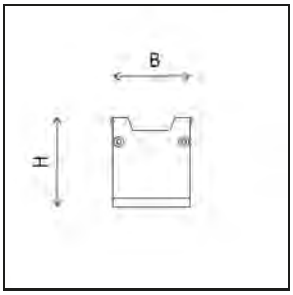
Main Features

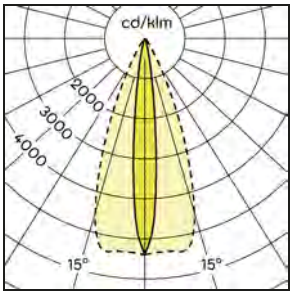
> Four different radiation angles: narrow spot, medium, flood and wide oval Selection
> of fixed colour temperature, of 2700 K to 4000 K
> Tunable White (2700 K -5000), free of artefacts and perfectly mixed from one optic



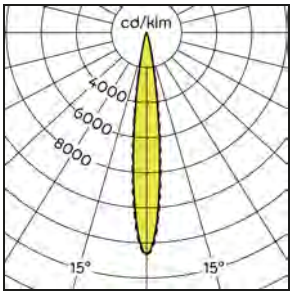
Product Variations



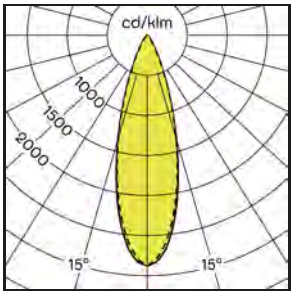




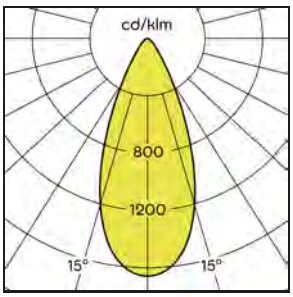
12° X 43°



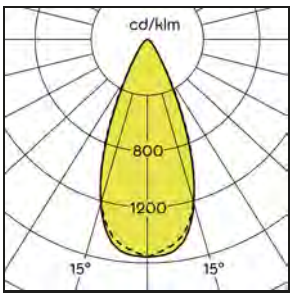
14°



30°



43°



45°

			LI		P	Optics dir.	Max. lumin. flux	Light colour	Housing colour
il4033_HO827X_B30_0246_CC_XX01			30		15.80 W	30°	1560 lm	2700 K	RAL 9011 (Black)
il4033_HO827X_W30_0246_CC_XX01			30		15.80 W	30°	1600 lm	2700 K	RAL 9016 (traffic white)
il4033_HO830X_B30_0246_CC_XX01			30		15.80 W	30°	1750 lm	3000 K	RAL 9011 (Black)
il4033_HO840X_B30_0246_CC_XX01			30		15.80 W	30°	1750 lm	4000 K	RAL 9011 (Black)
il4033_HO840X_W30_0246_CC_XX01			30		15.80 W	30°	1800 lm	4000 K	RAL 9016 (traffic white)
il4033_HO830X_W30_0246_CC_XX01			30		15.80 W	30°	1800 lm	3000 K	RAL 9016 (traffic white)
il4033_HO827X_B45_0246_CC_XX01			30		15.80 W	45°	1470 lm	2700 K	RAL 9011 (Black)
il4033_HO827X_W45_0246_CC_XX01			30		15.80 W	45°	1515 lm	2700 K	RAL 9016 (traffic white)
il4033_HO830X_B45_0246_CC_XX01			30		15.80 W	45°	1660 lm	3000 K	RAL 9011 (Black)
il4033_HO840X_B45_0246_CC_XX01			30		15.80 W	45°	1660 lm	4000 K	RAL 9011 (Black)
il4033_HO840X_W45_0246_CC_XX01			30		15.80 W	45°	1710 lm	4000 K	RAL 9016 (traffic white)
il4033_HO830X_W45_0246_CC_XX01			30		15.80 W	45°	1710 lm	3000 K	RAL 9016 (traffic white)
il4033_HO827X_B14_0246_CC_XX01			30		15.80 W	14°	1620 lm	2700 K	RAL 9011 (Black)
il4033_HO827X_W14_0246_CC_XX01			30		15.80 W	14°	1670 lm	2700 K	RAL 9016 (traffic white)
il4033_HO840X_B14_0246_CC_XX01			30		15.80 W	14°	1850 lm	4000 K	RAL 9011 (Black)
il4033_HO830X_B14_0246_CC_XX01			30		15.80 W	14°	1850 lm	3000 K	RAL 9011 (Black)
il4033_HO840X_W14_0246_CC_XX01			30		15.80 W	14°	1910 lm	4000 K	RAL 9016 (traffic white)
il4033_HO830X_W14_0246_CC_XX01			30		15.80 W	14°	1910 lm	3000 K	RAL 9016 (traffic white)
il4033_HO2750_B43_0246_CC_XX03			32		17 W	43°	1540 lm	2700 ... 5000 K (TW)	RAL 9011 (Black)
il4033_HO2750_W43_0246_CC_XX03			32		17 W	43°	1620 lm	2700 ... 5000 K (TW)	RAL 9016 (traffic white)
il4033_HO827X_B5C_0246_CC_XX01			30		15.80 W	12° X 43°	1540 lm	2700 K	RAL 9011 (Black)
il4033_HO827X_W5C_0246_CC_XX01			30		15.80 W	12° X 43°	1590 lm	2700 K	RAL 9016 (traffic white)
il4033_HO840X_B5C_0246_CC_XX01			30		15.80 W	12° X 43°	1710 lm	4000 K	RAL 9011 (Black)
il4033_HO830X_B5C_0246_CC_XX01			30		15.80 W	12° X 43°	1710 lm	3000 K	RAL 9011 (Black)
il4033_HO830X_W5C_0246_CC_XX01			30		15.80 W	12° X 43°	1760 lm	3000 K	RAL 9016 (traffic white)
il4033_HO840X_W5C_0246_CC_XX01			30		15.80 W	12° X 43°	1760 lm	4000 K	RAL 9016 (traffic white)

Specifications

Degree of protection	IP20
Protection class	III
Optics	Clear
Ambient temperature	5°C ... 45°C
Length (L)	246 mm
Width (B)	41 mm

Height (H)	48 mm
Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	depending on the driver
Weight	0.32 kg
Nominal current	900 mA
Service life (L80/B10)	60,000 h (at 25°C)

instalight NoLimit 4033 High Power Reflector light insert

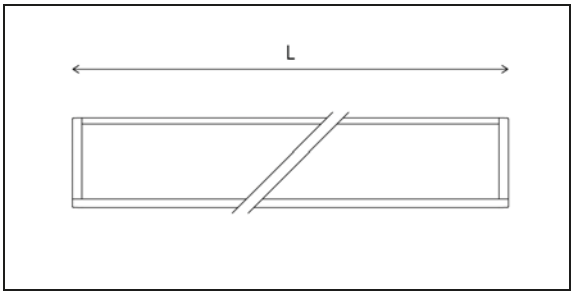
Light insert reflector

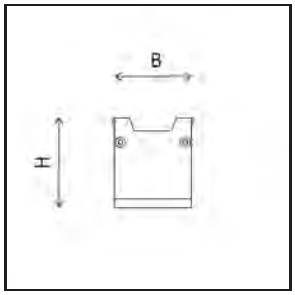
The High Power Reflector light inserts are predestined for efficient, standardised and balanced general lighting of large areas. Through targeted steering and internal reflection, the luminaire appears as an even light strip, without any detectable light outlet.

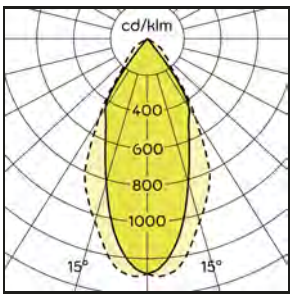
Main Features

> Radiation angle of 45° x 60° for optimal glare suppression
> Classic reflector technology in combination with latest LED generation
> Tunable White (2700 K -5000 K), free of artefacts and perfectly mixed from one optic

Product Variations







45° X 60°

	Housing colour
il4033_HR2750_B5D_0336_CC_XX01	RAL 9011 (Black)
il4033_HR2750_W5D_0336_CC_XX01	RAL 9016 (traffic white)

Specifications

Beam Geometry	Elliptical
Light distribution	Asymmetric
Power Index Li	31
Beam Characteristic	Wide Flood
Power consumption	16.2 W
Degree of protection	IP20
Protection class	III
Optics	Reflector
Beam angle direct	45° X 60°
Max luminous flux direct	1620 lm
Luminous flux direct (white)	1620 lm
Light colour	2700 ... 5000 K (TW)

Luminous efficiency	100 lm/W
Ambient temperature	5°C ... 45°C
Length (L)	336 mm
Width (B)	41 mm
Height (H)	48 mm
Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	depending on the driver
Weight	0.39 kg
Nominal current	900 mA
Service life (L80/B10)	60,000 h (at 25°C)
Housing material	Aluminium

Light insert High Power Linear

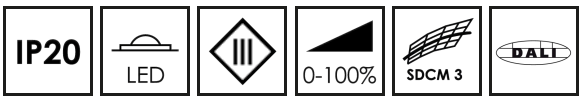
IL 4033 HL 840X A90 1440

Light insert

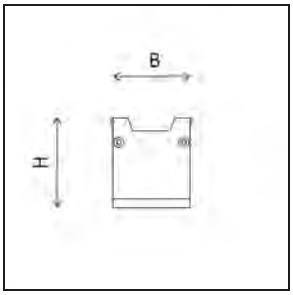
The High Power Linear light insert ensures efficient lighting with low energy consumption. The optics are optimised for illuminating surfaces from large mounting heights. Installed in the NoLimit profile, the light insert also allows mounting point distances of up to 6 metres.

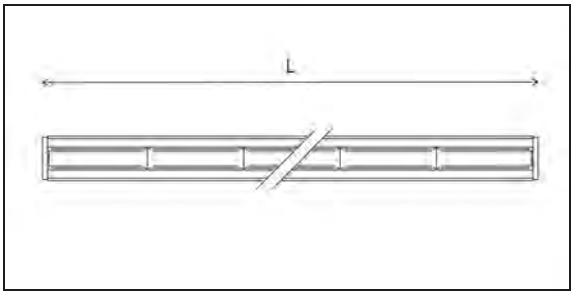
Main Features

> Very high luminous efficacy with up to 160 lm/W
> Compatible with all profiles of the NoLimit family
> Longitudinal glare suppression possible through additional grid



Product Variations





Specifications

Power Index Li	72
Power consumption	38 W
Degree of protection	IP20
Efficiency class	A++
Protection class	III
Max luminous flux direct	6100 lm
Luminous flux direct (white)	6100 lm
Light colour	4000 K
Luminous efficiency	160 lm/W

Ambient temperature	+5 ... +35 °C
Length (L)	1440 mm
Width (B)	41 mm
Height (H)	48 mm
Connection mode	Molex, 4-pole
Dimmable/Controllable	Yes
Interface	Depending on the ballast used
Nominal current	900 mA
Service life (L80/B10)	(@ 25 °C) 60,000 h
Housing material	Aluminium

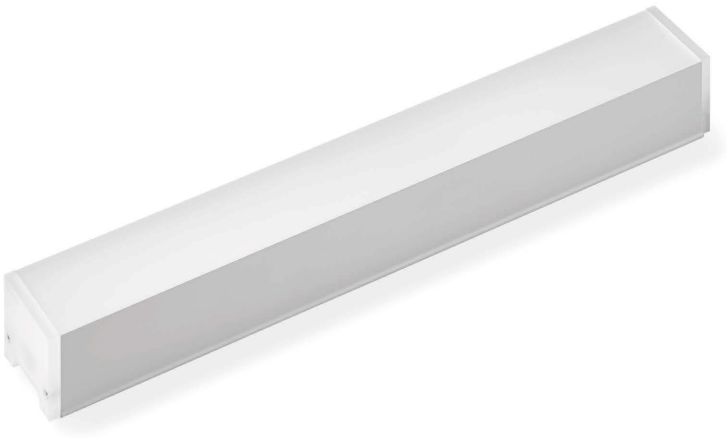
Accessories

Glare louvre

IL 4033 HL LA 1440

instalight NoLimit 4033 Mid Power Linear light insert

Satined light insert

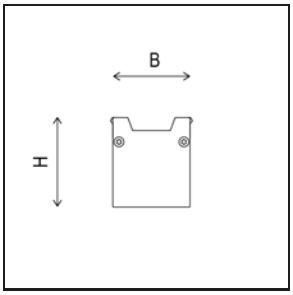


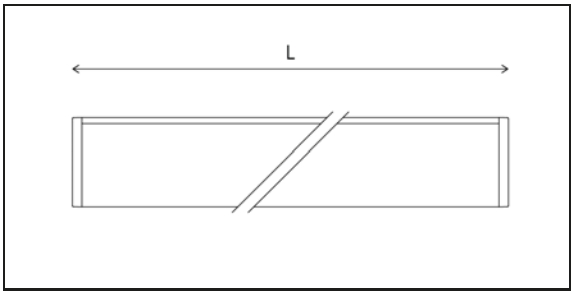
The Mid Power Linear light inserts meet the highest requirements for quality-conscious general lighting. Optionally equipped with Tunable White technology, the diffusely radiating linear modules are ideal for realizing HCL concepts.

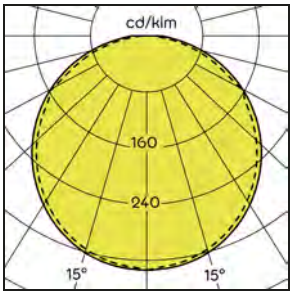
Main Features

> Homogeneous, uniform and linear accent and general lighting
> No visible light-dark spots on the light-emitting surface
> Tunable White (2700-5000 K), free of artefacts and perfectly mixed from one optic
> Are supplied up to a length of approximately 2.30 m

Product Variations







120°

	LI	P	Max. lumin. flux	Light colour	Length (L)	Weight
il4033_ML927X_WSX_0250_CC_XX01	11	5.7 W	370 lm	2700 K	250 mm	0.16 kg
il4033_ML930X_WSX_0250_CC_XX01	11	5.7 W	403 lm	3000 K	250 mm	0.16 kg
il4033_ML940X_WSX_0250_CC_XX01	11	5.7 W	447 lm	4000 K	250 mm	0.16 kg
il4033_ML2750_WSX_0250_CC_XX01	12	6.1 W	434 lm	2700 ... 5000 K (TW)	250 mm	0.16 kg
il4033_ML927X_WSX_0493_CC_XX01	22	11.4 W	730 lm	2700 K	493 mm	0.29 kg
il4033_ML930X_WSX_0493_CC_XX01	22	11.4 W	796 lm	3000 K	493 mm	0.29 kg
il4033_ML940X_WSX_0493_CC_XX01	22	11.4 W	881 lm	4000 K	493 mm	0.29 kg
il4033_ML2750_WSX_0493_CC_XX01	23	12.2 W	856 lm	2700 ... 5000 K (TW)	493 mm	0.29 kg
il4033_ML927X_WSX_0736_CC_XX01	33	17.2 W	1090 lm	2700 K	736 mm	0.43 kg
il4033_ML930X_WSX_0736_CC_XX01	33	17.2 W	1188 lm	3000 K	736 mm	0.43 kg
il4033_ML940X_WSX_0736_CC_XX01	33	17.2 W	1316 lm	4000 K	736 mm	0.43 kg
il4033_ML2750_WSX_0736_CC_XX01	34	18.3 W	1278 lm	2700 ... 5000 K (TW)	736 mm	0.43 kg
il4033_ML927X_WSX_0979_CC_XX01	43	22.9 W	1450 lm	2700 K	979 mm	0.56 kg
il4033_ML930X_WSX_0979_CC_XX01	43	22.9 W	1580 lm	3000 K	979 mm	0.56 kg
il4033_ML940X_WSX_0979_CC_XX01	43	22.9 W	1750 lm	4000 K	979 mm	0.56 kg
il4033_ML2750_WSX_0979_CC_XX01	46	24.4 W	1700 lm	2700 ... 5000 K (TW)	979 mm	0.56 kg
il4033_ML927X_WSX_1223_CC_XX01	54	28.6 W	1811 lm	2700 K	1,223 mm	0.7 kg
il4033_ML930X_WSX_1223_CC_XX01	54	28.6 W	1974 lm	3000 K	1,223 mm	0.7 kg
il4033_ML940X_WSX_1223_CC_XX01	54	28.6 W	2186 lm	4000 K	1,223 mm	0.7 kg
il4033_ML2750_WSX_1223_CC_XX01	57	30.5 W	2124 lm	2700 ... 5000 K (TW)	1,223 mm	0.7 kg
il4033_ML927X_WSX_1466_CC_XX01	65	34.3 W	2171 lm	2700 K	1,466 mm	0.83 kg
il4033_ML930X_WSX_1466_CC_XX01	65	34.3 W	2366 lm	3000 K	1,466 mm	0.83 kg
il4033_ML940X_WSX_1466_CC_XX01	65	34.3 W	2621 lm	4000 K	1,466 mm	0.83 kg
il4033_ML2750_WSX_1466_CC_XX01	68	36.6 W	2546 lm	2700 ... 5000 K (TW)	1,466 mm	0.83 kg
il4033_ML927X_WSX_1709_CC_XX01	76	40 W	2531 lm	2700 K	1,709 mm	0.97 kg
il4033_ML930X_WSX_1709_CC_XX01	76	40 W	2758 lm	3000 K	1,709 mm	0.97 kg
il4033_ML940X_WSX_1709_CC_XX01	76	40 W	3055 lm	4000 K	1,709 mm	0.97 kg
il4033_ML2750_WSX_1709_CC_XX01	80	42.7 W	2968 lm	2700 ... 5000 K (TW)	1,709 mm	0.97 kg
il4033_ML927X_WSX_1952_CC_XX01	86	45.8 W	2891 lm	2700 K	1,952 mm	1.1 kg
il4033_ML930X_WSX_1952_CC_XX01	86	45.8 W	3150 lm	3000 K	1,952 mm	1.1 kg
il4033_ML940X_WSX_1952_CC_XX01	86	45.8 W	3489 lm	4000 K	1,952 mm	1.1 kg
il4033_ML2750_WSX_1952_CC_XX01	91	48.8 W	3390 lm	2700 ... 5000 K (TW)	1,952 mm	1.1 kg

Specifications

Beam Geometry	Axially symmetric
Light distribution	Symmetric
Beam Characteristic	Wide Flood
Degree of protection	IP20
Protection class	III
Optics	Satined
Beam angle direct	120°
Ambient temperature	5°C ... 45°C

Width (B)	41 mm
Height (H)	48 mm
Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	depending on the driver
Housing colour	RAL 9016 (traffic white)
Nominal current	900 mA
Service life (L80/B10)	60,000 h (at 25°C)

instalight NoLimit 4033 Low Power Linear light insert

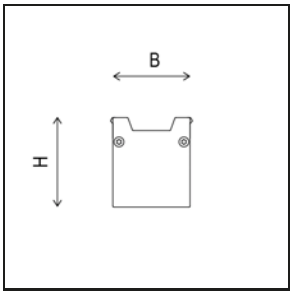
Satined light insert RGBW

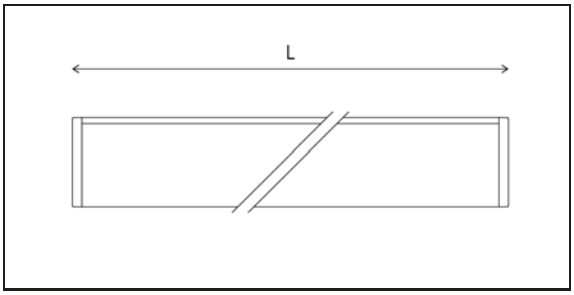
The diffusely radiating Low Power Linear light inserts allow a consistent, self-contained design. Equipped with RGBW LED technology and a DMX-compatible interface, they turn the NoLimit system into a creative lighting tool, for example for light guidance systems in buildings or as effective mood lighting.

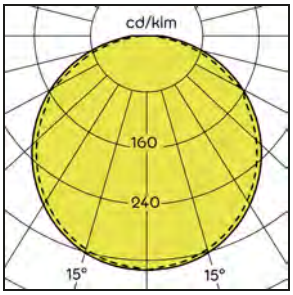
Main Features

> Effective mood lighting or light guidance systems in buildings
> Homogeneous and uniformly illuminated light line in all mixed colours (RGBW)
> Individually controllable segments in video quality with a resolution of 8 cm
> Are supplied up to a length of approximately 2.30 m

Product Variations







120°

	LI	P	Max. lumin. flux	Length (L)	Weight
il4033_LLRGBW_WSX_0250_LX_AS01	7	3.7 W	43 lm	250 mm	0.16 kg
il4033_LLRGBW_WSX_0330_LX_AS01	10	4.9 W	57 lm	330 mm	0.2 kg
il4033_LLRGBW_WSX_0493_LX_AS01	14	7.4 W	86 lm	493 mm	0.29 kg
il4033_LLRGBW_WSX_0412_LX_AS01	14	7.4 W	86 lm	412 mm	0.25 kg
il4033_LLRGBW_WSX_0574_LX_AS01	16	8.6 W	100 lm	574 mm	0.34 kg
il4033_LLRGBW_WSX_0655_LX_AS01	19	9.8 W	115 lm	655 mm	0.38 kg
il4033_LLRGBW_WSX_0736_LX_AS01	21	11.1 W	130 lm	736 mm	0.43 kg
il4033_LLRGBW_WSX_0817_LX_AS01	23	12.3 W	144 lm	817 mm	0.47 kg
il4033_LLRGBW_WSX_0898_LX_AS01	26	13.5 W	158 lm	898 mm	0.52 kg
il4033_LLRGBW_WSX_0979_LX_AS01	28	14.7 W	173 lm	979 mm	0.56 kg
il4033_LLRGBW_WSX_1060_LX_AS01	30	16 W	187 lm	1,060 mm	0.61 kg
il4033_LLRGBW_WSX_1141_LX_AS01	32	17.2 W	202 lm	1,141 mm	0.65 kg
il4033_LLRGBW_WSX_1223_LX_AS01	35	18.4 W	216 lm	1,223 mm	0.7 kg
il4033_LLRGBW_WSX_1303_LX_AS01	37	19.6 W	230 lm	1,303 mm	0.74 kg
il4033_LLRGBW_WSX_1385_LX_AS01	39	20.9 W	245 lm	1,385 mm	0.79 kg
il4033_LLRGBW_WSX_1466_LX_AS01	41	22.1 W	260 lm	1,466 mm	0.83 kg
il4033_LLRGBW_WSX_1547_LX_AS01	44	23.3 W	274 lm	1,547 mm	0.88 kg
il4033_LLRGBW_WSX_1628_LX_AS01	46	24.5 W	288 lm	1,628 mm	0.92 kg
il4033_LLRGBW_WSX_1709_LX_AS01	48	25.8 W	303 lm	1,709 mm	0.97 kg
il4033_LLRGBW_WSX_1790_LX_AS01	51	27 W	317 lm	1,790 mm	1.01 kg
il4033_LLRGBW_WSX_1872_LX_AS01	53	28.2 W	331 lm	1,872 mm	1.06 kg
il4033_LLRGBW_WSX_1952_LX_AS01	55	29.4 W	346 lm	1,952 mm	1.1 kg
il4033_LLRGBW_WSX_2034_LX_AS01	57	30.7 W	360 lm	2,034 mm	1.15 kg
il4033_LLRGBW_WSX_2115_LX_AS01	60	31.9 W	375 lm	2,115 mm	1.2 kg
il4033_LLRGBW_WSX_2196_LX_AS01	62	33.1 W	389 lm	2,196 mm	1.24 kg
il4033_LLRGBW_WSX_2277_LX_AS01	64	34.3 W	404 lm	2,277 mm	1.29 kg

Specifications

Beam Geometry	Axially symmetric
Light distribution	Symmetric
Beam Characteristic	Wide Flood
Rated voltage DC	24 V
Degree of protection	IP20
Protection class	III
Optics	Satined
Beam angle direct	120°

Light colour	RGBW
Ambient temperature	5°C ... 45°C
Width (B)	41 mm
Height (H)	48 mm
Connection mode	Plug connector
Dimmable/Controllable	Yes
Interface	LEDTRIX
Housing colour	RAL 9016 (traffic white)
Service life (L80/B10)	60,000 h (at 25°C)

instalight NoLimit 4033 light cove around a corner

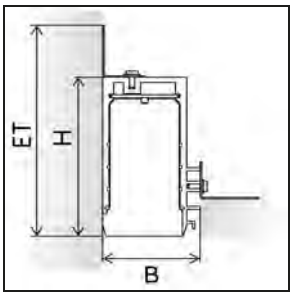
Ceiling recess profile for light coves

For perfect transitions. Offers three locking stages: recessed, flush, protruding.

Main Features

> For perfect transitions
> Offers three locking stages: recessed, flush, protruding
> Tool-free mounting of light inserts and operating devices

Product Variations



	Housing colour
il 4033 MK VT BL	RAL 9011
il 4033 MK VT WH	RAL 9016

Specifications

Weight	6.8 kg
Length	2300 mm

Width	58 mm
Height	108 mm
Installation depth	143 mm

Accessories

Straight profile connector set
IL4033_LPV

Fastening bracket set
IL4033_EPVT_BW

Protection cover
IL4033_ZM_M_001

Cable bracket set (20 pieces)
IL4033_ZM_K_001

90° corner connector light cove

Front cap set light cove + ceiling recess profile

instalight NoLimit 4033 profile cover

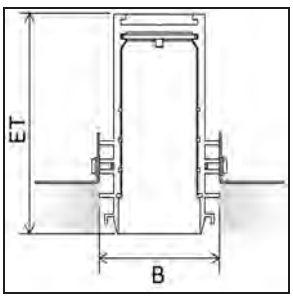
instalight NoLimit 4033 ceiling recess profile, frameless

ceiling recess profile

Main Features

> Smooth and variable solution for ceilings 12.5 – 25 mm
> Offers three locking stages: recessed, flush, protruding
> Tool-free mounting of light inserts and operating devices

Product Variations



	Housing colour
il 4033 MK EP BL	RAL 9011
il 4033 MK EP WH	RAL 9016

Specifications

Weight	7,0 kg
Length	2300 mm

Width	66 mm
Height	105 mm
Installation depth	105 mm

Accessories

Front cap set light cove + ceiling recess profile

Straight profile connector set

IL4033_LPV

Fastening bracket set

IL4033_EPVT_BW

Protection cover

IL4033_ZM_M_001

Cable bracket set (20 pieces)

IL4033_ZM_K_001

90° corner connector ceiling recess profile, frameless

instalight NoLimit 4033 profile cover

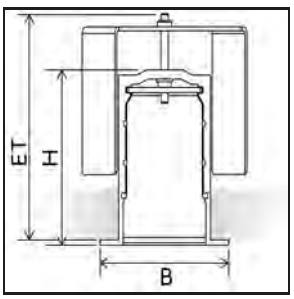
instalight NoLimit 4033 ceiling recess profile with frame

Ceiling recess profile with frame

Main Features

> Sets a visible accent
> Offers two locking stages: flush, protruding
> Tool-free mounting of light inserts and operating devices

Product Variations



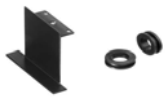
	Housing colour
il 4033 MK EB R BL	RAL 9011
il 4033 MK EB R WH	RAL 9016

Specifications

Weight	4.5 kg
Length	2300 mm

Width	70 mm
Height	68 mm
Installation depth	90 mm

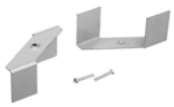
Accessories



Front cap set ceiling recess profile with frame

Straight profile connector set

IL4033_LPV



Swivel clamp set 12,5-25 mm

IL4033_EB_R_SB

Cable bracket set (20 pieces)

IL4033_ZM_K_001

90° corner connector ceiling recess profile with frame

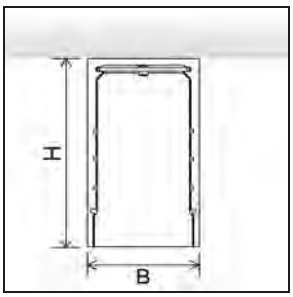
instalight NoLimit 4033 profile cover

instalight NoLimit 4033 surface mount profile, large
IL 4033 MK AB H BL

surface mount profile

Main Features
> Offers three locking stages: recessed, flush, protruding
> Tool-free mounting of light inserts and operating devices

Product Variations



Specifications

Housing colour	RAL 9011
Weight	6,2 kg

Length	2300 mm
Width	50 mm
Height	105 mm

Accessories

Front cap set surface mount profile, large

Straight profile connector set

IL4033_LPV

Cable bracket set (20 pieces)

IL4033_ZM_K_001

90° corner connector surface mount profile, large

instalight NoLimit 4033 profile cover

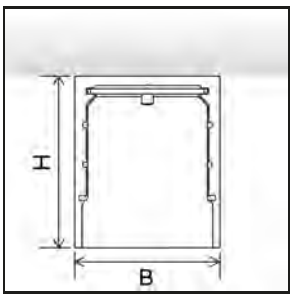
instalight NoLimit 4033 surface mount profile, small

surface mount profile

Main Features

> Offers two locking stages: flush, protruding
> Tool-free mounting of light inserts and operating devices

Product Variations



	Housing colour
il 4033_MK AB F BL	RAL 9011
il 4033 MK AB F WH	RAL 9016

Specifications

Weight	4.5 kg	**Width**	50 mm
Length	2300 mm	**Height**	70 mm

Accessories

Front cap set surface mount profile, small

Straight profile connector set

IL4033_LPV

Cable bracket set (20 pieces)

IL4033_ZM_K_001

90° corner connector surface mount profile, small

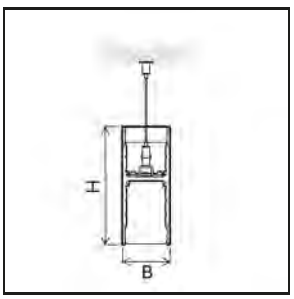
instalight NoLimit 4033 pendant profile

pendant profile

Main Features

> Combines direct and indirect light
> Offers three locking stages downwards, two upwards
> Tool-free mounting of light inserts and operating devices

Product Variations



	Housing colour
il 4033 MK PE BL	RAL 9011
il 4033 MK PE WH	RAL 9016

Specifications

Weight	6.8 kg	**Width**	50 mm
Length	2300 mm	**Height**	125 mm

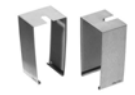
Accessories

Straight profile connector set
IL4033_LPV

Pendant profile cable + fastening set
IL4033_PE_B

Pendant profile canopy set, white
IL4033_PE_BA_WH

90° corner connector pendant profile



Pendant profile decorative clasp set
IL4033_PE_B_S

Pendant profile connecting cable set
IL4033_PE_AL_PE

Cable bracket set (20 pieces)
IL4033_ZM_K_001

instalight NoLimit 4033 profile cover

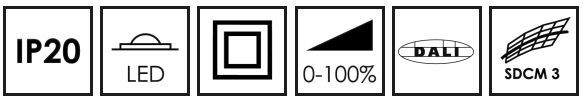
instalight NoLimit 4033 built-in ceiling luminaire High Power Optics

IL 4033 EB HO 840X WB45

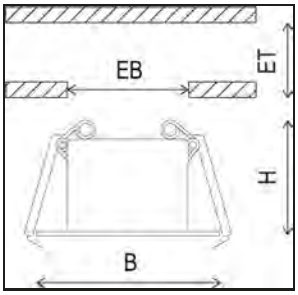
Recessed luminaire including power supply unit from the NoLimit system with high light quality

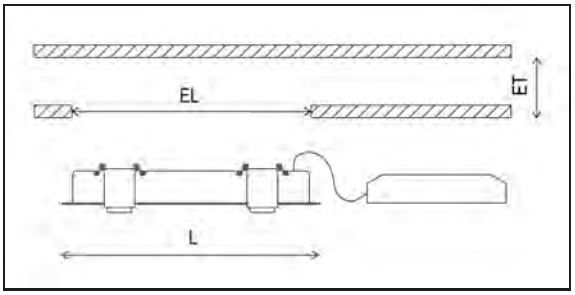
Main Features

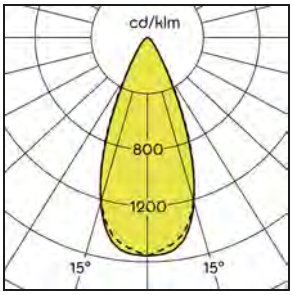
> Recessed luminaire for general lighting and accent lighting
> Different beam angles: spot, medium, flood and wide oval
> Available light colors in 2700 K, 3000 K, 4000 K and Tunable White (2700 K to 5000 K)
> Homogeneous light mixture within one optic with Tunable White
> Precise light imaging for all light colours
> Compact and pre-wired recessed luminaire for ceilings with a thickness from 1 to 12.5 mm
> Quick assembly due to tension springs
> Housing colour and luminaire passe-partout in separate colours
> Other optics and light colours on request



Product Variations







45°

Specifications

Article number	on request
Power consumption	19 W
Power factor	0.95
Degree of protection	IP20
Protection class	II
Beam angle direct	45°
Max luminous flux direct	1700 lm
Luminous flux direct (white)	1700 lm
Light colour	4000 K
Luminous efficiency	90 lm/W
Colour rendition Ra	85
Ambient temperature	-25 ... +45 °C

Length (L)	272 mm
Width (B)	67 mm
Height (H)	45 mm
Installation length (EL)	260 mm
Installation depth (ET)	55 mm
Installation width (EB)	55 mm
Dimmable/Controllable	yes
Interface	DALI
Nominal current	900 mA
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	175 ... 275 V
Mains frequency	50 / 60 Hz
Dimensions Power Supply Unit (LxWxH)	146.5 x 44 x 30 mm

Gira Giersiepen GmbH & Co. KG,
Radevormwald
Germany
Photo: Boris Golz

LÖHR CENTER Koblenz

Koblenz, Germany

REFERENCE

Realisation: 2017

Building owner: ECE Projektmanagement GmbH & Co. KG

Light planning: Tobias Link Lichtplanung & Jochen Schröder (ECE Projektmanagement GmbH & Co. KG)

Photo: Boris Golz

Luminaires for interior rooms

Downlights

Attractive highlights for every ceiling.

Downlights are small multi-talents: fitted out with a modern and energy-saving LED technology and in many case swivellable reflectors, they can create glamourous moments – either as selected accentuated lighting or for a homogeneous illumination of decorations. Furthermore, being able to adapt to a natural light cycle you ensure for a better sense of well-being and lengthen the proven time which customers stay in shops. Our wide-beam variations are ideal for an even and a wide-area spatial illumination – even fulfilling important tasks in production halls. Particularly in areas where no windows are present, they can considerably increase efficiency and motivation. Whether rotatable or invisible – Downlights are always a highlight.

> instalight 3014
High-performance day/night downlight in tunable white or monochrome

> instalight 3015
High-performance downlight in tunable white or monochrome

> instalight 3016
High-performance pendulum luminaire in tunable white or single-coloured light

instalight 3014

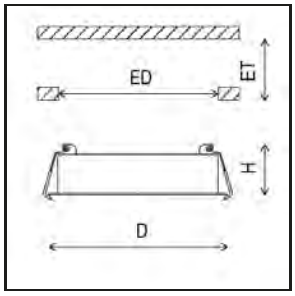
Downlight

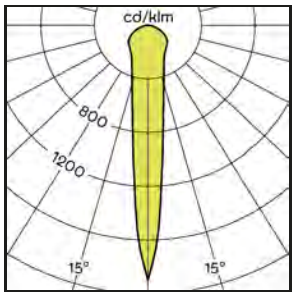
The downlight is a powerful day/night luminaire for shopping malls or similar use cases such as airports or production plants. The daylight ambience is realized with a double luminous flux. The simulation of natural daylight through tunable white leads to an improved well being inside of the building and hence to longer shopping time. Or to an increased motivation and productivity of the production team.

Main Features

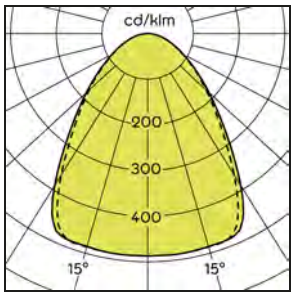
> High efficiency
> Different light colours
> Tunable White
> Revisable and upgradeable LED technology
> Extremely flat mounting
> Easy installation without specific tools
> Suitable for refitting and restoration

Product Variations





13°



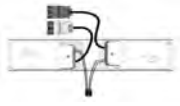
80°

			Optics dir.	Max. lumin. flux	Light colour	Interface	Nominal current
il 3014 R 13 830 xxx	●	●	13°	6160 lm	3000 K	1 x DALI	600 mA
il 3014 R 13 TW xxx	●	●	13°	6300 lm	2700 ... 5000 K	2 x DALI (DT6)	700 mA (2700 K) / 500 mA (5000 K)
il 3014 R 13 840 xxx	●	●	13°	6500 lm	4000 K	1 x DALI	600 mA
il 3014 R 80 830 xxx	●	●	80°	6280 lm	3000 K	1 x DALI	600 mA
il 3014 R 80 TW xxx	●	●	80°	6500 lm	2700 ... 5000 K	2 x DALI (DT6)	700 mA (2700 K) / 500 mA (5000 K)
il 3014 R 80 840 xxx	●	●	80°	6700 lm	4000 K	1 x DALI	600 mA

Specifications

Article number	on request	**Installation depth (ET)**	200 mm
Power consumption	58 W	**Installation diameter (ED)**	240 mm
Degree of protection	IP20	**Connection mode**	Molex, 4-pole
Protection class	III	**Dimmable/Controllable**	Yes
Colour rendition Ra	85	**Weight**	approx. 1.5 kg
Diameter (D)	265 mm	**Service life (L80/B10)**	(@ 25 °C) 60,000 h
Height (H)	75 mm	**Housing material**	Aluminium

Accessories



LED Driver 2 x DALI DT6

IL 301X CC 64 2DA E

instalight 3015

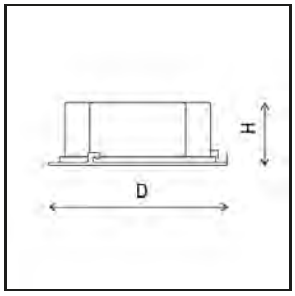
Downlight

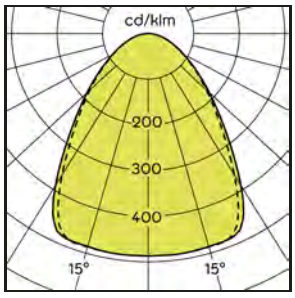
This power downlight is a well-known daylight/nightlight and is often used in shopping areas. The daytime environment is created by the double luminous flux. The adaptation of the natural light rhythm ensures greater well-being and prolongs the time spent in the shop.
Other areas of application include industrial and production hall lighting. The Tunable White colour temperature control system can be used in windowless production areas to increase motivation and support employee health.

Main Features

> High efficiency
> Different light colours
> Tunable white
> Revisable and upgradeable LED technology
> Extremely flat mounting
> Easy installation without specific tools

Product Variations





80°

	Max. lumin. flux	Light colour	Interface	Nominal current
il 3015 R 80 TW xxx	7350 lm	2700 ... 5000 K	2 x DALI (DT6)	700 mA (2700 K) / 500 mA (5000 K)
il 3015 R 80 840 xxx	7550 lm	4000 K	DALI	600 mA

Specifications

Article number	on request
Power consumption	64 W
Degree of protection	IP20
Efficiency class	A++
Protection class	III
Beam angle direct	80°
Colour rendition Ra	85

Ambient temperature	+5 ... +35 °C
Diameter (D)	233 mm
Height (H)	82 mm
Installation depth (ET)	200 mm
Connection mode	Molex, 4-pole
Dimmable/Controllable	Yes
Weight	approx. 3.5 kg
Service life (L80/B10)	(@ 25 °C) 60,000 h

Accessories

LED Driver 2 x DALI DT6
IL 301X CC 64 2DA E

Panel-mounted housing D 260 straight GK 25mm
88900826

Panel-mounted housing D 260 oblique GK 25mm
88900827

instalight 3016

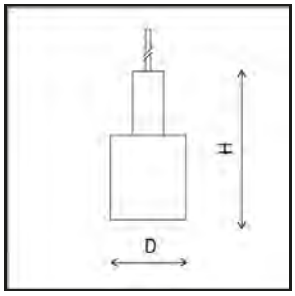
Downlight

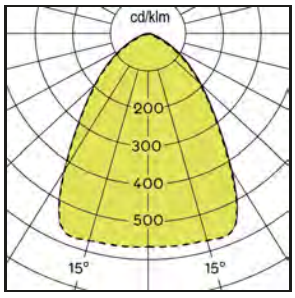
This suspended luminaire with a luminous flux of over 10,000 lm is used to illuminate production halls, festival rooms or churches. Different light colours provide an atmosphere which perfectly underlines the special features of the environment. A good choice in windowless production areas is the Tunable White variant. It enhances the well-being of the staff and has a motivating effect. Irrespective of the intended use or light colour, the suspended luminaire is highly efficient.

Main Features

> High efficiency
> Different light colours
> Tunable White
> Revisable and upgradeable LED technology
> Luminaire screen adjustable in fixed steps
> Integrated power-supply unit

Product Variations





80°

	P	Max. lumin. flux	Light colour	Interface
il 3016 R 77 840 xxx	95 W	10100 lm	4000 K	DALI
il 3016 R 77 TW xxx	97 W	9100 lm	2700 ... 5000 K	2 x DALI

Specifications

Article number	on request	**Height (H)**	592 mm
Degree of protection	IP20	**Dimmable/Controllable**	Yes
Efficiency class	A+	**Weight**	7.5 kg
Protection class	I	**Rated voltage**	AC 220 ... 240 V ~
Beam angle direct	80°	**Mains frequency**	50 / 60 Hz
Ambient temperature	+5 ... +35 °C	**Service life (L80/B10)**	(@ 25 °C) 60,000 h
Diameter (D)	242 mm	**Housing material**	Aluminium

City Library Siegburg

Siegburg, Germany

REFERENCE

Realisation: 2014

Building owner: Stadtbetriebe Siegburg AöR

Architecture: de Corne, Siegburg

Light planning: K+S Ingenieurbüro für technische Gebäudeausrüstung GmbH

Photo: Markus Bollen

Luminaires for interior rooms

instalight Tec

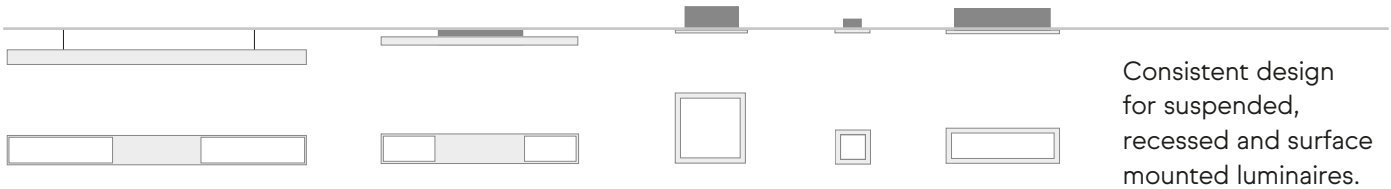
Elegant design for effectful moments.

Whether in grand interiors, reception halls or spacious working spaces: The lighting belonging to the instalight Tec family certainly cuts a good figure. It effectively and perfectly unites accentuated lighting with puristic design.

A characteristic of the instalight Tec is its innovative multichip faceted prism made up of fresnel lenses which run horizontally and vertically to optimally bundle the light. This advantage allows for a glare-free and at the same time for a highly precise lighting scenario.

In combination with its graceful and delicate aluminium body, this interior light displays a noble design which discreetly fits into every architectural spatial situation. A modular system configuration with instalight Tec is equally possible as with a mixture of any other variation.

> instalight Tec 1132



Consistent design for suspended, recessed and surface mounted luminaires.

instalight Tec 1130

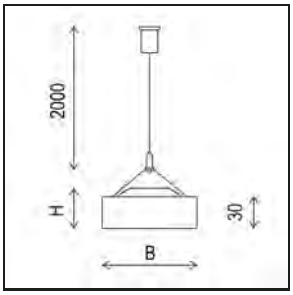
Linear pendulum luminaire, direct/indirect

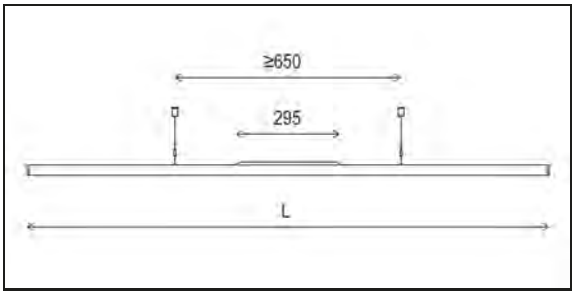
The classic standard luminaire for the office combines puristic product design with an ultra-slim look.

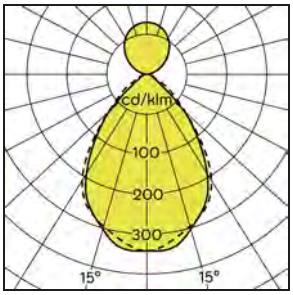
Main Features

> Perfect form for a harmonious design concept in the object
> Puristic, minimalist product design in linear housing
> Consistent design of the type series ensures a uniform appearance in the object
> The slim, precisely shaped luminaire presents itself discreetly and refined
> Low installation height ensures filigree appearance
> Revisable and upgradeable LED technology
> Separate dimmable direct and indirect light for variable lighting presets for comfort
> Homogeneous beam thanks to multichip facet prism
> Operation on safety lighting systems saves additional lamps
> Installation-friendly thanks to adjustable distance between the suspension cables without the need for tools

Product Variations







78°, 120°

	P	Max. lumin. flux	Light colour	Interface
il 1130 A 11 WWH 1500 D2	36 W	2110 lm	3000 K	2 x DALI
il 1130 A 11 NWH 1500 D2	36 W	2390 lm	4000 K	2 x DALI
il 1130 A 11 WWH 1500 DA	37 W	2110 lm	3000 K	DALI
il 1130 A 11 NWH 1500 DA	37 W	2390 lm	4000 K	DALI

Specifications

Power factor	0.97	**Cable length**	2000 mm
Degree of protection	IP20	**Dimmable/Controllable**	Yes
Efficiency class	A+	**Housing colour**	RAL 9016
Protection class	I	**Weight**	4 kg
Optics	Clear	**Rated voltage AC**	220 ... 240 V ~
Beam angle direct	78°	**Rated voltage DC**	198 ... 278 V
Beam angle indirect	120°	**Mains frequency**	50 ... 60 Hz
Colour rendition Ra	>85	**Storage/transport temperature**	-20 ... +70 °C
UGR	<19	**Service life (L80/B10)**	60,000 h
Ambient temperature	+5 ... +35 °C	**Pendulum length**	2000 mm
Length (L)	1500 mm	**Housing material**	Aluminium
Width (B)	90 mm	**Cover material**	Plastic
Height (H)	34 mm	**Glow-wire testing**	650 °C
Connection mode	Screwless terminal	**Impact strength**	IK03 / IK02

Accessories

Canopy with cable holder

IL 10 ZM 01

instalight Tec 1136

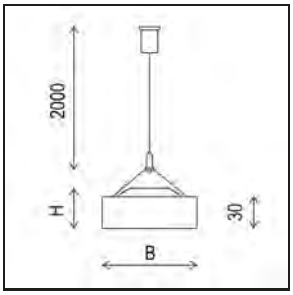
Linear pendulum luminaire, direct/indirect

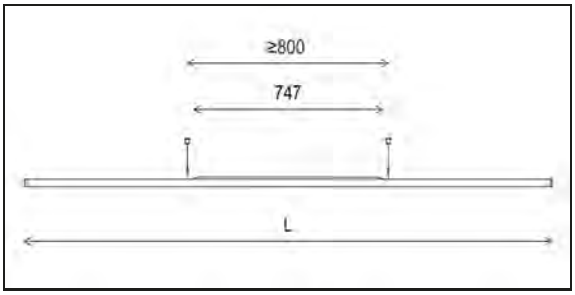
The elongated and light-intensive luminaire for the office combines puristic product design with an ultra-slim look.

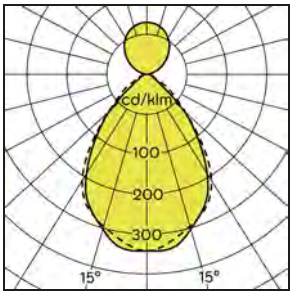
Main Features

> Perfect form for a harmonious design concept in the object
> Puristic, minimalist product design in linear housing
> Consistent design of the type series ensures a uniform appearance in the object
> The slim, precisely shaped luminaire presents itself discreetly and refined
> Low installation height ensures filigree appearance
> Revisable and upgradeable LED technology
> Separate dimmable direct and indirect light for variable lighting presets for comfort
> Homogeneous beam thanks to multichip facet prism
> Operation on safety lighting systems saves additional lamps
> Installation-friendly thanks to adjustable distance between the suspension cables without the need for tools

Product Variations







78°, 120°

	Max. lumin. flux	Light colour	Interface
il 1136 A 11 WWH 2000 D2	3370 lm	3000 K	2 x DALI
il 1136 A 11 WWH 2000 DA	3370 lm	3000 K	DALI
il 1136 A 11 NWH 2000 DA	3800 lm	4000 K	DALI
il 1136 A 11 NWH 2000 D2	3800 lm	4000 K	2 x DALI

Specifications

Power consumption	59 W	**Cable length**	2000 mm
Power factor	0.99	**Dimmable/Controllable**	Yes
Degree of protection	IP20	**Housing colour**	RAL 9016
Protection class	I	**Weight**	5.2 kg
Optics	Clear	**Rated voltage AC**	220 ... 240 V ~
Beam angle direct	78°	**Rated voltage DC**	198 ... 278 V
Beam angle indirect	120°	**Mains frequency**	50 ... 60 Hz
Colour rendition Ra	>85	**Storage/transport temperature**	-20 ... +70 °C
UGR	<19	**Service life (L80/B10)**	60,000 h
Ambient temperature	+5 ... +35 °C	**Pendulum length**	2000 mm
Length (L)	2100 mm	**Housing material**	Aluminium
Width (B)	90 mm	**Cover material**	Plastic
Height (H)	34 mm	**Glow-wire testing**	650 °C
Connection mode	Screwless terminal	**Impact strength**	IK03 / IK02

Accessories

Canopy with cable holder

IL 10 ZM 01

instalight Tec 3131

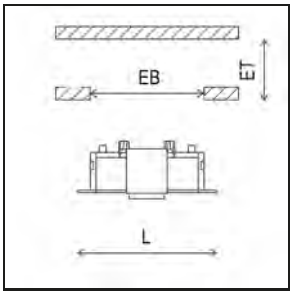
Square surface-mounted ceiling luminaire

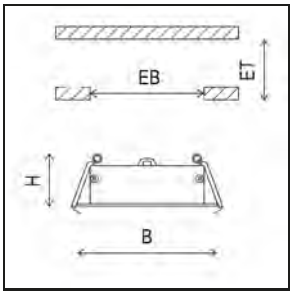
The smallest luminaire of the type series provides supplementary accent lighting and is characterised by an extremely low mounting depth.

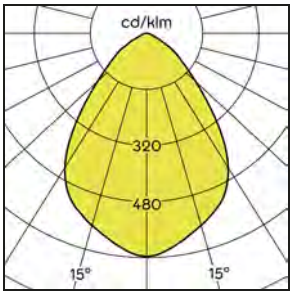
Main Features

> Perfect form for a harmonious design concept in the object
> Puristic, minimalist product design in linear housing
> Consistent design of the type series ensures a uniform appearance in the object
> Revisable and upgradeable LED technology
> Homogeneous beam thanks to multichip facet prism
> Operation on safety lighting systems saves additional lamps
> Flat luminaire for minimum installation depth of 40 mm

Product Variations







78°

	Max. lumin. flux	Light colour
il 3131 A 01 WWH 0080 CC	370 lm	3000 K
il 3131 A 01 NWH 0080 CC	420 lm	4000 K

Specifications

Power consumption	4 W
Degree of protection	IP20 (IP44 on request)
Efficiency class	A++
Protection class	III
Optics	Clear
Beam angle direct	78°
Colour rendition Ra	>85
Ambient temperature	+5 ... +35 °C
Length (L)	110 mm
Width (B)	110 mm
Height (H)	42 mm
Installation length (EL)	95 mm
Installation depth (ET)	40 mm

Installation width (EB)	95 mm
Connection mode	Free cable ends
Cable length	approx. 500 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used
Housing colour	RAL 9016
Weight	0.30 kg
Nominal current	max. 700 mA
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK03 / IK02

Accessories

LED driver 32 W 700 mA DALI V2
58919011

LED driver 12 W 350/700 mA
50900300

LED distribution box
58921020

LED driver 20 W 300-1000 mA
50900301

Adapter plate for power supply unit
58923400

instalight Tec 1132

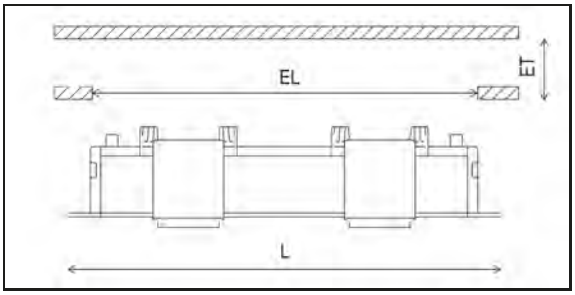
Linear built-in ceiling luminaire

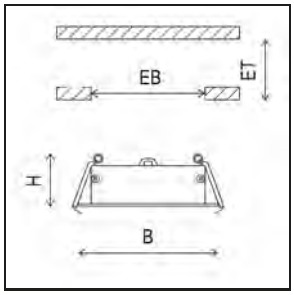
The very compact attachment lamp provides supplementary accent lighting and is characterised by an extremely low mounting depth.

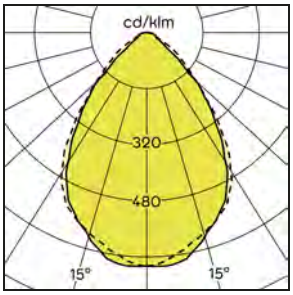
Main Features

> Perfect form for a harmonious design concept in the object
> Puristic, minimalist product design in linear housing
> Consistent design of the type series ensures a uniform appearance in the object
> Revisable and upgradeable LED technology
> Homogeneous beam thanks to multichip facet prism
> Operation on safety lighting systems saves additional lamps
> Flat luminaire for minimum installation depth of 40 mm

Product Variations







78°

	Max. lumin. flux	Light colour
il 1132 A 01 WWH 0190 CC	740 lm	3000 K
il 1132 A 01 NWH 0190 CC	840 lm	4000 K

Specifications

Power consumption	8 W
Degree of protection	IP20
Efficiency class	A+
Protection class	III
Optics	Clear
Beam angle direct	78°
Colour rendition Ra	>85
Ambient temperature	+5 ... +35 °C
Length (L)	190 mm
Width (B)	110 mm
Height (H)	42 mm
Installation length (EL)	175 mm
Installation depth (ET)	40 mm

Installation width (EB)	95 mm
Connection mode	Free cable ends
Cable length	approx. 500 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used
Housing colour	RAL 9016
Weight	0.51 kg
Nominal current	700 mA
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK03 / IK02

Accessories

LED driver 32 W 700 mA DALI V2
58919011

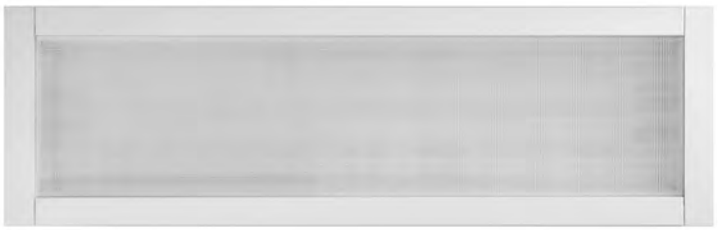
LED driver 20 W 300-1000 mA
50900301

LED driver 12 W 350/700 mA
50900300

LED distribution box
58921020

instalight Tec 1134

Linear built-in ceiling luminaire

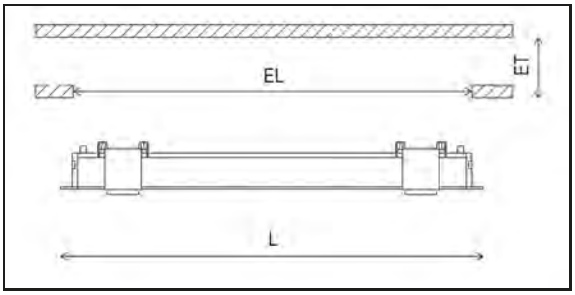


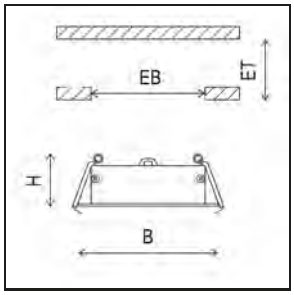
The attachment lamp is suitable for a wide variety of lighting tasks in architecture and is characterised by an extremely low mounting depth.

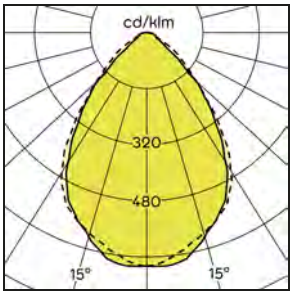
Main Features

> Perfect form for a harmonious design concept in the object
> Puristic, minimalist product design in linear housing
> Consistent design of the type series ensures a uniform appearance in the object
> Revisable and upgradeable LED technology
> Homogeneous beam thanks to multichip facet prism
> Operation on safety lighting systems saves additional lamps
> Flat luminaire for minimum installation depth of 40 mm

Product Variations







78°

	Max. lumin. flux	Light colour
il 1134 A 01 WWH 0350 CC	1540 lm	3000 K
il 1134 A 01 NWH 0350 CC	1740 lm	4000 K

Specifications

Power consumption	16 W
Degree of protection	IP20
Efficiency class	A+
Protection class	III
Optics	Clear
Beam angle direct	78°
Colour rendition Ra	>85
Ambient temperature	+5 ... +35 °C
Length (L)	350 mm
Width (B)	110 mm
Height (H)	42 mm
Installation length (EL)	335 mm
Installation depth (ET)	40 mm

Installation width (EB)	95 mm
Connection mode	Free cable ends
Cable length	approx. 500 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used
Housing colour	RAL 9016
Weight	0.90 kg
Nominal current	700 mA
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK03 / IK02

Accessories

LED driver 32 W 700 mA DALI V2

58919011

LED driver 20 W 300-1000 mA

50900301

LED distribution box

58921020

instalight Tec 2131

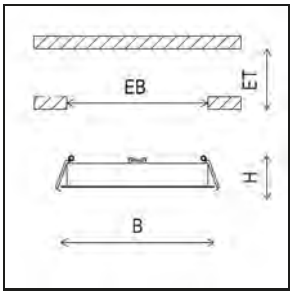
Square surface-mounted ceiling luminaire

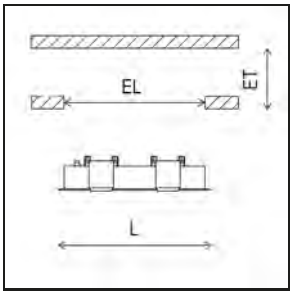
The universal attachment lamp with decorative light corona is suitable for a wide variety of lighting tasks in architecture and is characterized by an extremely low mounting depth.

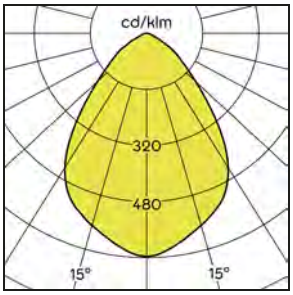
Main Features

> Perfect form for a harmonious design concept in the object
> Puristic, minimalist product design in linear housing
> Consistent design of the type series ensures a uniform appearance in the object
> Revisable and upgradeable LED technology
> Homogeneous beam thanks to multichip facet prism
> Operation on safety lighting systems saves additional lamps
> Flat luminaire for minimum installation depth of 40 mm

Product Variations







78°

	Max. lumin. flux	Light colour
il 2131 A 01 WWH 0200 CC	1540 lm	3000 K
il 2131 A 01 NWH 0200 CC	1740 lm	4000 K

Specifications

Power consumption	17 W
Degree of protection	IP20
Efficiency class	A+
Protection class	III
Optics	Clear
Beam angle direct	78°
Colour rendition Ra	>85
Ambient temperature	+5 ... +35 °C
Length (L)	200 mm
Width (B)	200 mm
Height (H)	42 mm
Installation length (EL)	190 mm
Installation depth (ET)	40 mm

Installation width (EB)	190 mm
Connection mode	Free cable ends
Cable length	approx. 500 mm
Dimmable/Controllable	Yes
Interface	depending on the ballast used
Housing colour	RAL 9016
Weight	approx. 1.25 kg
Nominal current	max. 700 mA
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK03 / IK02

Accessories

LED driver 32 W 700 mA DALI V2

58919011

LED driver 20 W 300-1000 mA

50900301

LED distribution box

58921020

GALERIA Kaufhof Munich at Marienplatz

Munich, Germany

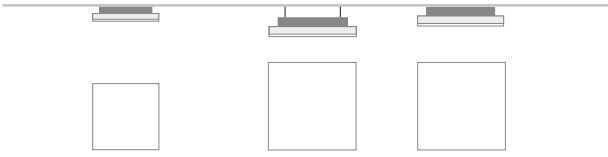
REFERENCE

Realisation: 2014

Building owner: GALERIA Immobilienservice GmbH

Achitecture: Reiner Stanizek

Photo: Christoph Mittermüller



Luminaires for interior rooms

instalight Flat

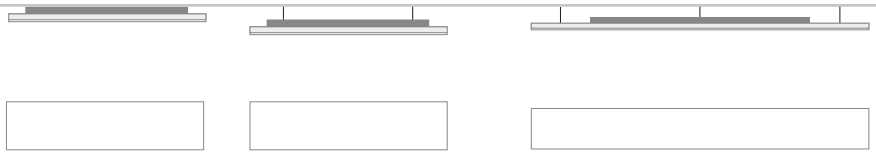
Minimalism at its best. Multiple deployability.

Whether in historic building or in buildings with clearly defined modern lines: The instalight Flat enriches every room, no matter what. With its unique appearance and highly efficient LED technology, this interior lighting really comes to the forefront when it comes to prestigious foyers, hallways and conference rooms.

An extremely thin body encased in anodised aluminium to the highest quality, surrounded in a light contour with its clearly defined design in combination with a fully flushed radiating optic: The instalight Flat unites aesthetics to the maximum with an optimal homogeneous lighting, no matter in what variant.

Discover the diversity in shapes and sizes which the instalight Flat has to offer – an illuminating highlight which can be easily adapted to cope with any spatial demand.

> instalight Flat 2042 P



Consistent design
for suspended and
surface mounted lights.

instalight Flat 2045 P

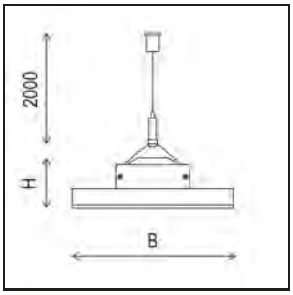
Linear pendulum luminaire, direct/indirect

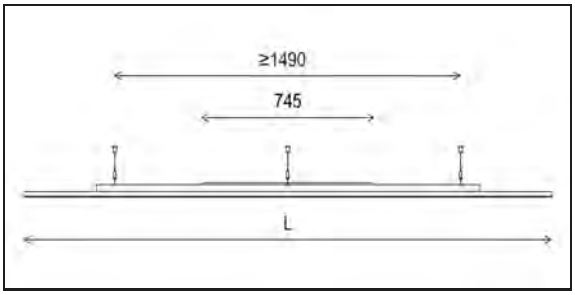
The elongated and light-intensive luminaire for the office combines an extremely slim product design with a full light-radiating appearance.

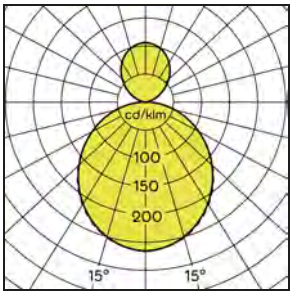
Main Features

> Perfect form for a harmonious design concept in the object
> Flat, cubist product design
> Consistent design of the type series ensures a uniform appearance in the object
> No shadow flicker thanks to extensive light emission
> Homogeneous light-emitting surface for aesthetic lighting effect
> Flat luminaire design with narrow, peripheral light edge – plenty of light, few luminaires
> Separate dimmable direct and indirect light for variable lighting presets for comfort
> With satin look suitable for prestigious rooms such as reception areas and foyers
> Perfect for computer workstations thanks to anti-glare prism optics
> Operation on safety lighting systems saves additional lamps
> Installation-friendly thanks to adjustable distance between the suspension cables without the need for tools

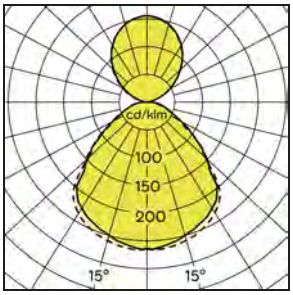
Product Variations







110°, 102°



98°, 102°

	P	Optics	Optics dir.	Max. lumin. flux	Light colour	Luminance	UGR
il 2045 P11 830 2300 D2 00	79 W	Prisma	98°	4880 lm	3000 K	4305 cd/m²	<19
il 2045 P11 840 2300 D2 00	79 W	Prisma	98°	5200 lm	4000 K	4588 cd/m²	<19
il 2045 P12 830 2300 D2 00	101 W	Satined	110°	6700 lm	3000 K	5211 cd/m²	
il 2045 P12 840 2300 D2 00	101 W	Satined	110°	7200 lm	4000 K	5600 cd/m²	

Specifications

Power factor	0.98
Degree of protection	IP20
Efficiency class	A+
Protection class	I
Beam angle indirect	102°
Luminous flux indirect (white)	2880 lm
Ambient temperature	+5 ... +35 °C
Length (L)	2274 mm
Width (B)	200 mm
Height (H)	63 mm
Connection mode	Screwless terminal
Cable length	2000 mm
Dimmable/Controllable	Yes

Interface	2x DALI
Housing colour	Silver anodized
Weight	17 kg
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	198 ... 278 V
Mains frequency	50 / 60 Hz
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Height of visible surface	25 mm
Pendulum length	2000 mm
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK06

Accessories

Canopy with cable holder

IL 10 ZM 01

instalight Flat 2044 P

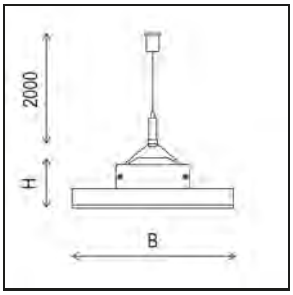
Linear pendulum luminaire, direct/indirect

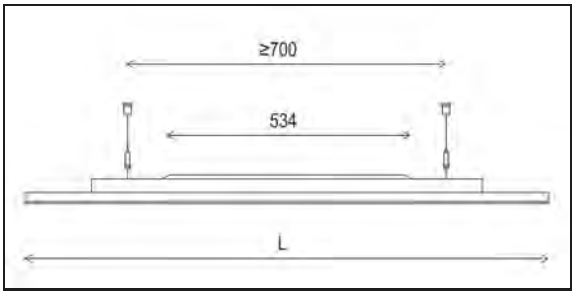
The classic standard luminaire for the office combines an extremely slim product design with a full light-radiating appearance.

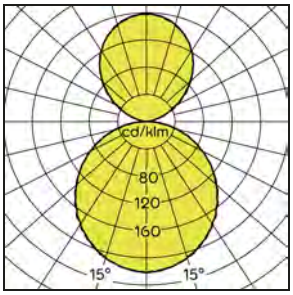
Main Features

> Perfect form for a harmonious design concept in the object
> Flat, cubist product design
> Consistent design of the type series ensures a uniform appearance in the object
> No shadow flicker thanks to extensive light emission
> Homogeneous light-emitting surface for aesthetic lighting effect
> Flat luminaire design with narrow, peripheral light edge – plenty of light, few luminaires
> Separate dimmable direct and indirect light for variable lighting presets for comfort
> With satin look suitable for prestigious rooms such as reception areas and foyers
> Perfect for computer workstations thanks to anti-glare prism optics
> Operation on safety lighting systems saves additional lamps
> Installation-friendly thanks to adjustable distance between the suspension cables without the need for tools

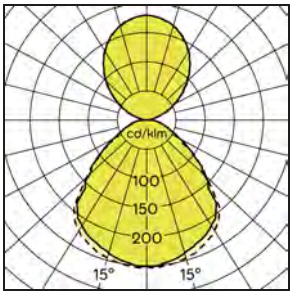
Product Variations







110°, 102°



98°, 102°

	P	Optics	Optics dir.	Max. lumin. flux	Light colour	Luminance	UGR
il 2044 P11 830 1200 D2 00	49 W	Prisma	98°	2440 lm	3000 K	4212 cd/m²	<19
il 2044 P11 840 1200 D2 00	49 W	Prisma	98°	2600 lm	4000 K	4488 cd/m²	<19
il 2044 P12 830 1200 D2 00	60 W	Satined	110°	3640 lm	3000 K	5098 cd/m²	
il 2044 P12 840 1200 D2 00	60 W	Satined	110°	3640 lm	4000 K	5539 cd/m²	

Specifications

Power factor	0.99
Degree of protection	IP20
Efficiency class	A+
Protection class	I
Beam angle indirect	102°
Ambient temperature	+5 ... +35 °C
Length (L)	1150 mm
Width (B)	200 mm
Height (H)	63 mm
Connection mode	Screwless terminal
Dimmable/Controllable	Yes
Interface	2x DALI
Housing colour	Silver anodized

Weight	7.9 kg
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	198 ... 278 V
Mains frequency	50 / 60 Hz
Input	43 ... 62 W
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Pendulum length	2000 mm
Cable length	2 m
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK06

Accessories

Canopy with cable holder

IL 10 ZM 01

instalight Flat 2044 W

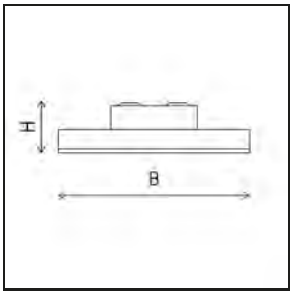
Linear surface-mounted luminaire

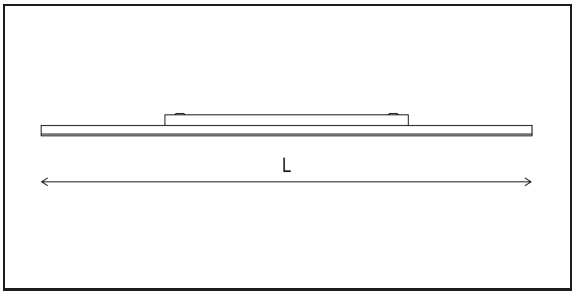
The attachment lamp is based on the design of the classic pendant luminaire and is suitable for a wide variety of lighting tasks in architecture.

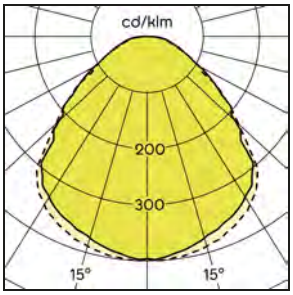
Main Features

> Perfect form for a harmonious design concept in the object
> Flat, cubist product design
> Consistent design of the type series ensures a uniform appearance in the object
> No shadow flicker thanks to extensive light emission
> Homogeneous light-emitting surface for aesthetic lighting effect
> Flat luminaire design with narrow, peripheral light edge – plenty of light, few luminaires
> With satin look suitable for prestigious rooms such as reception areas and foyers
> Suitable as wall light in stairwells thanks to robust construction
> Operation on safety lighting systems saves additional lamps

Product Variations







110°

	P	Optics	Max. lumin. flux	Light colour	Luminance
il 2044 W01 830 1200 DA 00	28 W	Prisma	2440 lm	3000 K	4212 cd/m²
il 2044 W01 840 1200 DA 00	28 W	Prisma	2600 lm	4000 K	4488 cd/m²
il 2044 W02 830 1200 DA 00	39 W	Satined	3350 lm	3000 K	5098 cd/m²
il 2044 W02 840 1200 DA 00	39 W	Satined	3640 lm	4000 K	5539 cd/m²

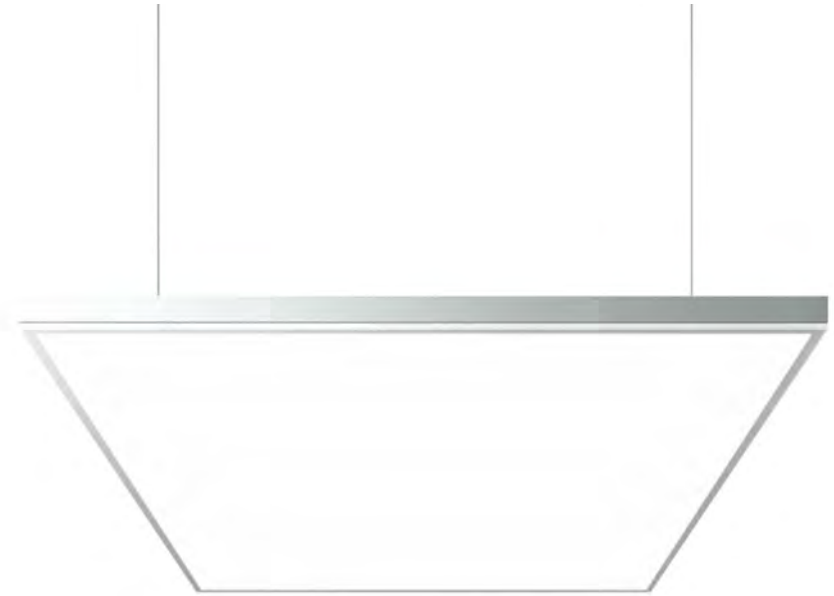
Specifications

Power factor	0.99
Degree of protection	IP20
Efficiency class	A+
Protection class	I
Beam angle direct	110°
Ambient temperature	+5 ... +35 °C
Length (L)	1150 mm
Width (B)	200 mm
Height (H)	54 mm
Cable length	2000 mm
Dimmable/Controllable	Yes
Interface	1 x DALI
Housing colour	Silver anodized

Weight	9 kg
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	198 ... 278 V
Mains frequency	50 ... 60 Hz
Power factor 230V	0.99
Colour consistency	SDCM 3
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Height of visible surface	25 mm
Connection mode	Screw terminal
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK06

instalight Flat 2042 P

Square pendulum luminaire

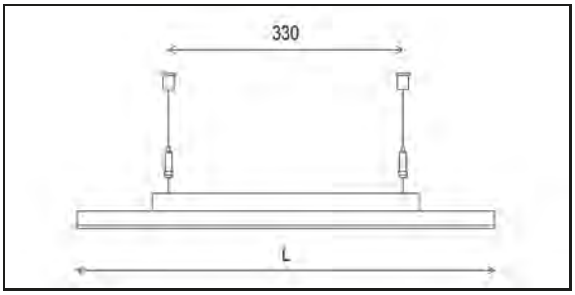


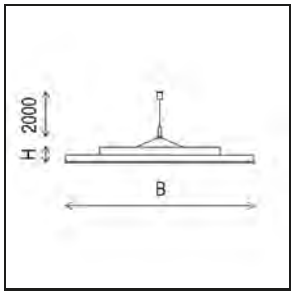
The universal pendant luminaire combines an extremely slim product design with a full light-radiating appearance and is suitable for a wide variety of lighting tasks in architecture.

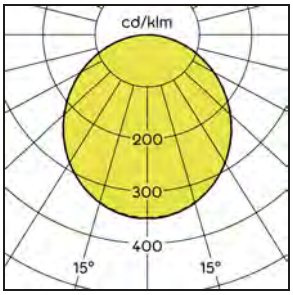
Main Features

> Perfect form for a harmonious design concept in the object
> Flat, cubist product design
> Consistent design of the type series ensures a uniform appearance in the object
> No shadow flicker thanks to extensive light emission
> Homogeneous light-emitting surface for aesthetic lighting effect
> Flat luminaire design with narrow, peripheral light edge – plenty of light, few luminaires
> With satin look suitable for prestigious rooms such as reception areas and foyers
> Operation on safety lighting systems saves additional lamps

Product Variations







110°

	Max. lumin. flux	Light colour	Luminance
il 2042 P02 830 600 DA 00	3280 lm	3000 K	3207 cd/m²
il 2042 P02 840 600 DA 00	3560 lm	4000 K	3481 cd/m²

Specifications

Power consumption	37 W
Degree of protection	IP20
Efficiency class	A+
Protection class	I
Optics	Satined
Beam angle direct	110°
Ambient temperature	+5 ... +35 °C
Length (L)	588 mm
Width (B)	588 mm
Height (H)	54 mm
Connection mode	Screwless terminal
Cable length	2000 mm
Dimmable/Controllable	Yes

Interface	1 x DALI
Housing colour	Silver anodized
Weight	12.1 kg
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	198 ... 278 V
Mains frequency	50 / 60 Hz
Power factor 230V	0.95
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Height of visible surface	25 mm
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK06

Accessories

Canopy with cable holder

IL 10 ZM 01

instalight Flat 2042 W

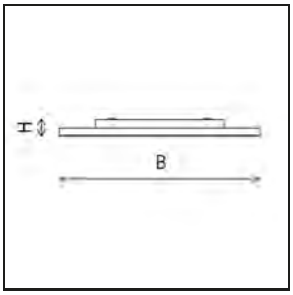
Square surface-mounted luminaire

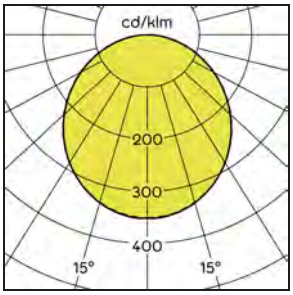
The universal luminaire for ceiling and wall mounting is suitable for a wide variety of lighting tasks in architecture.

Main Features

> Perfect form for a harmonious design concept in the object
> Flat, cubist product design
> Consistent design of the type series ensures a uniform appearance in the object
> No shadow flicker thanks to extensive light emission
> Homogeneous light-emitting surface for aesthetic lighting effect
> Flat luminaire design with narrow, peripheral light edge – plenty of light, few luminaires
> With satin look suitable for prestigious rooms such as reception areas and foyers
> Suitable as wall light in stairwells thanks to robust construction
> Operation on safety lighting systems saves additional lamps

Product Variations





110°

	Max. lumin. flux	Light colour	Luminance
il 2042 W02 830 600 DA 00	3280 lm	3000 K	3207 cd/m²
il 2042 W02 840 600 DA 00	3560 lm	4000 K	3481 cd/m²

Specifications

Power consumption	37 W
Degree of protection	IP20
Efficiency class	A+
Protection class	I
Optics	Satined
Beam angle direct	110°
Ambient temperature	+5 ... +35 °C
Length (L)	588 mm
Width (B)	588 mm
Height (H)	54 mm
Connection mode	Screw terminal
Dimmable/Controllable	Yes
Interface	1 x DALI

Housing colour	Silver anodized
Weight	12.1 kg
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	198 ... 278 V
Mains frequency	50 / 60 Hz
Power factor 230V	0.95
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Height of visible surface	25 mm
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK06

instalight Flat 2040 W

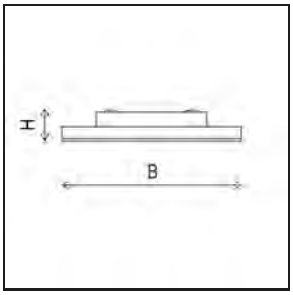
Square surface-mounted luminaire

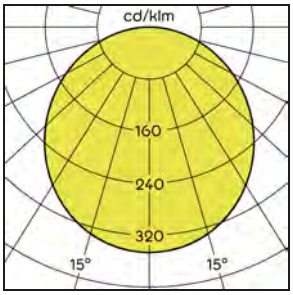
The compact luminaire for ceiling and wall mounting is suitable for a wide variety of lighting tasks in architecture.

Main Features

> Perfect form for a harmonious design concept in the object
> Flat, cubist product design
> Consistent design of the type series ensures a uniform appearance in the object
> No shadow flicker thanks to extensive light emission
> Homogeneous light-emitting surface for aesthetic lighting effect
> Flat luminaire design with narrow, peripheral light edge – plenty of light, few luminaires
> With satin look suitable for prestigious rooms such as reception areas and foyers
> Suitable as wall light in stairwells thanks to robust construction
> Operation on safety lighting systems saves additional lamps

Product Variations





110°

	Max. lumin. flux	Light colour	Luminance
il 2040 W02 830 300 DA 00	1470 lm	3000 K	5426 cd/m²
il 2040 W02 840 300 DA 00	1600 lm	4000 K	5906 cd/m²

Specifications

Power consumption	20 W
Degree of protection	IP20
Protection class	I
Optics	Satined
Beam angle direct	110°
Ambient temperature	+5 ... +35 °C
Length (L)	307 mm
Width (B)	307 mm
Height (H)	54 mm
Connection mode	Screw terminal
Dimmable/Controllable	Yes
Interface	1 x DALI

Housing colour	Silver anodized
Weight	3.6 kg
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	198 ... 278 V
Mains frequency	50 / 60 Hz
Power factor 230V	0.86
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Height of visible surface	25 mm
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C

instalight Flat 2042 E

IL 2042 E02 600 DA

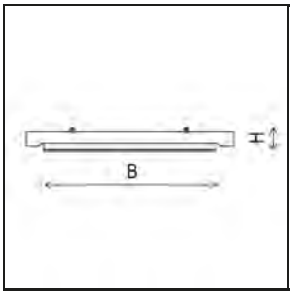
Square recessed luminaire as revision luminaire

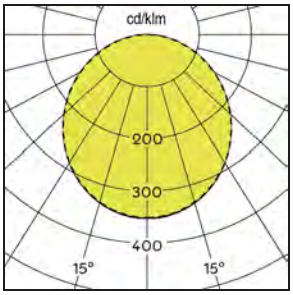
The compact recessed luminaire can be used as inspection access in the deck area.

Main Features

> Perfect design for a harmonious design concept in the object
> Flat, cubistic product designodized
> Simple assembly/disassembly for inspection access
> No hard shadows about to the large light emission area
> Homogeneous light-emitting surface for an aesthetic lighting effect
> Flat luminaire design with narrow, all-round light edge - plenty of light, few luminaires
> With satin finish suitable for prestigious rooms such as reception areas and foyers
> Operation on emergency lighting systems saves additional luminaires

Product Variations





110°

Specifications

Power consumption	37 W
Power factor	0.95
Degree of protection	IP20
Protection class	I
Optics	Satined
Beam angle direct	110°
Max luminous flux direct	3560 lm
Luminous flux direct (white)	3560 lm
Light colour	4000 K
Colour rendition Ra	85
Ambient temperature	+5 ... +35 °C
Length (L)	710 mm
Width (B)	588 mm
Height (H)	80 mm
Installation length (EL)	606 mm
Installation depth (ET)	125 mm

Installation width (EB)	606 mm
Connection mode	Screw terminal
Cable length	2000 mm
Dimmable/Controllable	Yes
Interface	DALI
Weight	15 kg
Rated voltage AC	220 ... 240 V ~
Rated voltage DC	198 ... 278 V
Mains frequency	50 / 60 Hz
Power factor 230V	0.95
Storage/transport temperature	-20 ... +70 °C
Service life (L80/B10)	60,000 h
Housing material	Aluminium
Cover material	Plastic
Glow-wire testing	650 °C
Impact strength	IK06

Accessories

Mounting frame for instalight 2042 E

G DATA Software AG

Bochum, Germany

REFERENCE

Realisation: 2015

Building owner: G DATA Software AG

Light planner: Tobias Link Lichtplanung

Photo: Boris Golz

Lighting control for inside and outside

instalight Vario
instalight Control

Ingeniously simple.
Simply ingenious.

Lighting for any occasion, any mood or at any time of the day: What was previously impossible has now become common practice. Whether you are dimming, adjusting the brightness or colour of the light and its colour temperature or integrating within a Smart-Home-System: LED-technology has opened up innumerable possibilities

Today, whoever wishes to fully utilise the unique benefits which the LED offers, can now rely upon an intelligent integrated lighting control system which provides flexibility and is easy to operate – at home or en route, whether by smartphone, tablet or touch panel.

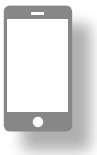
> instalight Vario
for easy
applications &
small systems

> instalight Control
complex
applications &
large systems

instalight Vario & instalight Control
Comparison of systems

The demands on control systems are extremely diverse. In order to realise the suitable concept for each project, Insta offers two perfectly tuned systems - for maximum scalability, most diverse complexity and highest efficiency in realisation.

	Operation / communication				Output / field bus			
Operation	KNX	App	Push-button inputs	Remote / monitoring	DMX	LEDTRIX	DALI	PWM
easy applications & small systems > instalight Vario	via push-button module	via iPhone and Apple Watch	via binary communi-cation module	–	1 x 512 channels (1 universe)	2 x 60 channels	DALI modules DT6 (2x) DT8 (2x)	PWM module



Operation	KNX	App	Push-button inputs	Remote / monitoring	DMX	LEDTRIX	DALI	PWM
complex applications & large systems > instalight Control	via KNX/ NetIP	via iPhone and Apple Watch	via KNX	via LAN/ WLAN	up to 1000 masters with 2 x 512 channels each and RDM support	up to 1000 masters with 8 x 60 channels each	via Gateways	via Gateways

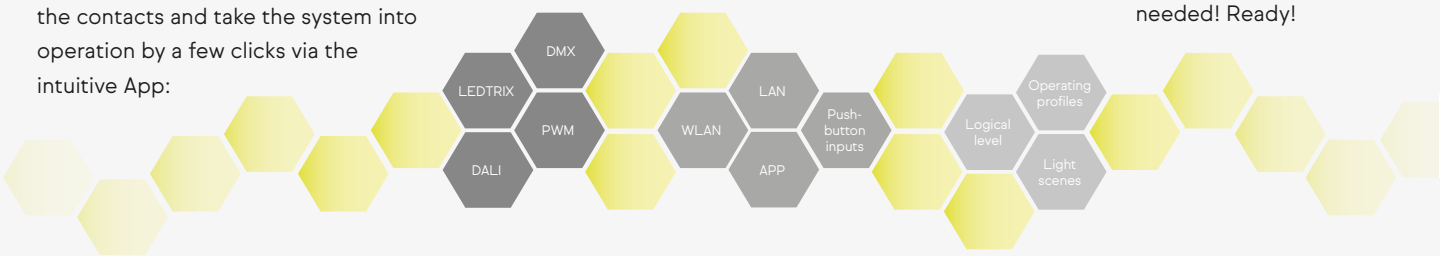
instalight Vario – modular and simple

With the system instalight Vario you get an ingeniously simple modular system for very easy realisation „Out-Of-The-Box“. Never has the construction and commissioning of a perfect system been so easy - just a few steps needed. You choose the required modules, plug everything together, make the contacts and take the system into operation by a few clicks via the intuitive App:

1.
Choose the colour mode, e. g. Tunable White, RGB, RGBW.

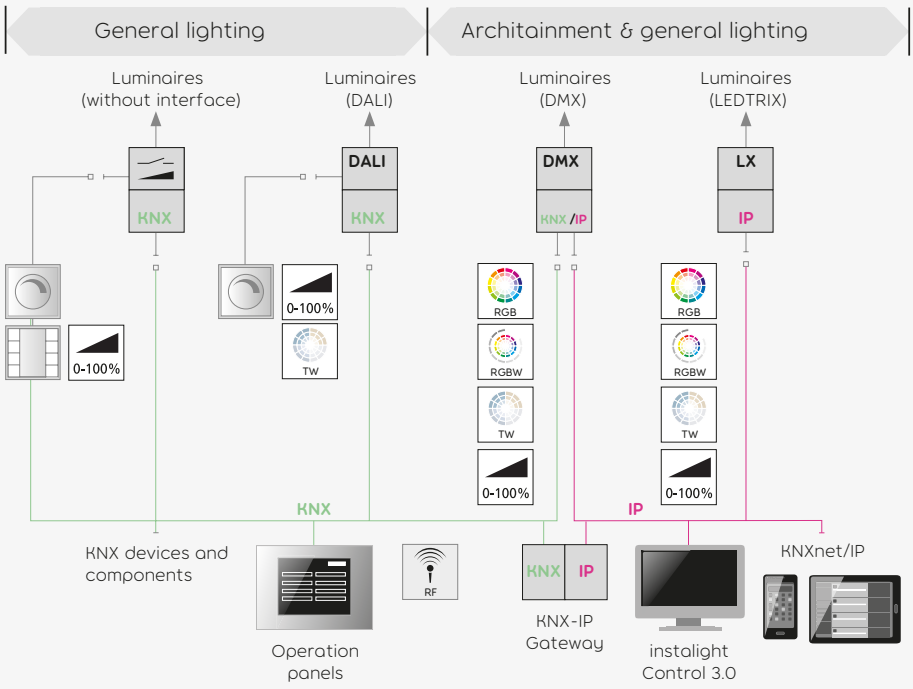
2.
Choose a pool of pre-assembled operation profiles

3.
Choose the desired light scenes. Various static and dynamic light scenes are available. With instalight Vario no tedious programming of light scenes is needed! Ready!



instalight Control – maximum flexibility for highest requirements

Does your lighting management require a high degree of flexibility, scalability and integration into building automation?
Then instalight Control is the right way for you. At the heart of the system are DMX and LEDTRIX Master. Connected via IP to form a large data network, you can combine many thousands of control channels into one large system.
The instalight Control 3.0 commissioning software offers design options for creative lighting scene programming and the combination of logical functions.
The connection to KNX opens the way to building automation with all the options available on the market. Human Centric Lighting can be experienced.
A smooth transition is created between general lighting and architainment in a single system.



Light control. Wonderfully simple.

The Vario App

Become a lighting designer. Create atmospheric coloured light or let your lighting automatically follow the natural course of the sun. Choose from a range of professionally pre-programmed light sequences or get creative and design your own: with the Vario app and the “instalight Vario” basic device, impressive lighting creation then becomes child’s play.

instalight Vario basic device

instalight Vario App

Vario Setup app

Intuitive commissioning app for the modular lighting control device “instalight Vario”.

Program a complete lighting installation in just three steps to make it easy for your customer to operate it via the Vario app and using optional connected push-buttons.

Main features:

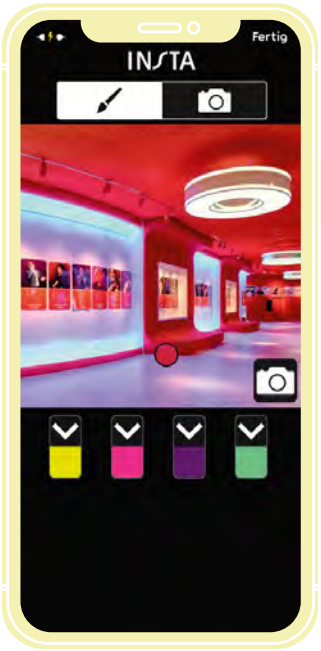
> Control of indoor and outdoor lighting
> Control of coloured light with RGB or RGBW
> White light with controllable colour temperature (Tunable White TW)
> Dynamic light variations in video quality with up to 40 changes per second
> Storage of up to four user-defined light colours
> Human Centric Lighting thanks to time-accurate sunlight simulation
> Combination profiles for separate control of ambient and usable light
> Automatic operation using weekly timer
> Control interfaces: DALI, PWM, DMX, LEDTRIX

Vario app

Adjust your lighting to match your mood or the time of day. With instalight Vario, you can save up to four individual dynamic light colours. In addition, coloured light control in RGB, RGBW and Tunable White (TW) is possible.

The moved light sequences always set the right atmosphere.

Intuitive App for the selection and configuration of light scenes



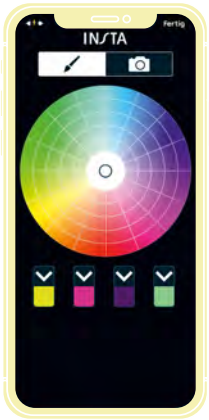
Colour selection via colour picker or front camera on iPhone

Weekly timer with individual switch-on/off times

instalight Vario

instalight Vario app

> User app for Apple iPhone
> Control of indoor and outdoor lighting
> Control of coloured light with RGB or RGBW
> White light with controllable colour temperature (Tunable White TW)
> Dynamic light variations in video quality with up to 40 changes per second
> Intuitive colour selection via colour picker or front camera on iPhone
> Storage of up to four user-defined light colours
> Operation via iPhone and Apple Watch



instalight Vario Setup app

> Commissioning app for Apple iPhone
> The easiest way to commission instalight Vario systems is via iPhone
> Selection of ready-made operation profiles
> Selection and allocation of ready-made light scenes (dynamic and static)
> High projection reliability

Download on the App Store

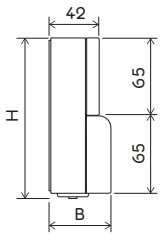
instalight Vario basic device

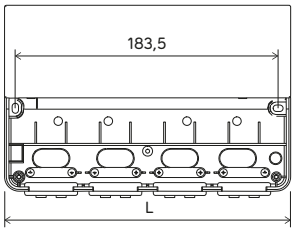
> Universal device for controlling LED applications via smartphone or push-button
> Easy operation via the free instalight Vario app
> Configured in 3 steps by using the free instalight Vario Setup app
> Connection to several smartphones possible
> Integration into the existing LAN network or directly via WLAN
> Separate control of DMX and DALI luminaires or PWM driven LEDs using only one device
> Control of LED systems with automatically addressing LEDTRIX interface
> Simple to expand thanks to plug-in communication and interface modules
> Supply via external power supply unit (accessory with micro USB plug) or USB (max. 500 mA)

instalight Vario basic device and expansion modules

Article number	V2 GR 001
Overall size	L 200 x B 52 x H 134.5 mm
Rated voltage	DC 5 V via external power supply unit (not included in the scope of delivery) or USB (max. 500 mA)
Max. network capacity (W)	max. 1.7 W
Design	Black plastic housing with terminal compartment
Ambient temperature	+5° ... 35° C

Protec-tion class	III
Free slots for modules	1 x USB type A (communication) 1 x Micro-USB type B (power supply) 3 x instalight Vario slots for communication or interface modules
Display element	1 x status LED (covered in the terminal com-partment)
Memory	Micro-SD card 4 GB, prepared with light scenes
Accessories	Plug-in power supply art. no. V2 SNT 001 (not included in the scope of delivery)
DIN rail adapter	Art.-No. V2 ME 001





	instalight Vario interface DALI dt6	instalight Vario interface Dali dt8	instalight Vario interface DMX	instalight Vario interface PWM	instalight Vario interface LEDTRIX	instalight Vario communication module binary
Article number	**V2 FM DA6 001**	**V2 FM DA8 001**	**V2 FM DX 001**	**V2 FM PW 001**	**V2 FM LX 001**	**V2 KM 8F 001**
Rated voltage (module)	DC 5 V	DC 5 V	DC 5 V	DC 12 ... 30 V (extern)	DC 28 V	DC 5 V
Rated voltage (DALI)	DC 9.5 ... 22.5 V (external DALI sup-ply necessary)	DC 9.5 ... 22.5 V (external DALI sup-ply necessary)				
Max. participants per Bus	64 (depending on external supply)	64 (depending on external supply)				
Data rate	1200 baud	1200 baud	250 kBit/s			
Interface	1 x DALI (dt6)	1 x DALI (dt8)	1 x DMX interface USITT DMX512-A		2 x LEDTRIX each with 60 channels	
Current consumption	< 2 mA	< 2 mA				
Design	SMD module with “Edge connector”	SMD module with “Edge connector”	SMD module with “Edge connector”	SMD module with “Edge connector”	SMD module with “Edge connector”	SMD module with “Edge connector”
Protection class			III	III		
Topology			FLOATING			
Max. devices			32			
Max. number of channels			512			
Load current per channel				max. 3 A		
Power consumption A				180 ... 660 mW		
Power consumption B				180 ... 660 mW		
PWM channels				4 (1 x A / 2 x B)		
Modulation frequency				1000 Hz		
Laying instructions					SELV	SELV
Distance					100 m	
Max. cable length						10 m
Number of inputs						8
Short-circuit current						1 mA

instalight Vario basic device

V2 GR 001

Universal control system, App operable

instalight Vario is the optimal control system for small and medium-sized systems with manageable complexity. With instalight Vario, commissioning is very easy by means of an easily understandable and intuitively operable App. Tedious programming was yesterday – today is instalight Vario.

Main Features

> Universal device for control of LED applications via smartphone or push-button
> Easy operation via the cost-free App "Vario"
> Configured in 3 steps by using the cost-free App "Vario Setup"
> Connection to several smartphones possible
> Separate control of DMX and DALI luminaires or PWM driven LEDs by using only one device
> Control of LED systems with automatically addressing LEDTRIX interface
> Simply expandable thanks to plug-in communication- and interface modules
> Supply via external power supply unit (accessory with micro USB plug) or USB (max. 500 mA)

Specifications

Memory card	Micro-SD card 4 GB
Length	200 mm
Height	134.5 mm
Width	52 mm
Rated voltage	DC 5 V via external power supply unit or USB (max. 500 mA)
Power consumption	1.7 W

Degree of protection	IP20
Protection class	III (SELV)
Ambient temperature	+5°...35°C
Design	Plastic housing with terminal compartment
Housing colour	Black
Display element	1 x status LED (covered in the terminal compartment)

Accessories

instalight Vario interface module DALI DT6
V2 FM DA6 001

instalight Vario interface module DALI DT8
V2 FM DA8 001

instalight Vario interface module DMX
V2 FM DX 001

instalight Vario interface module LEDTRIX
V2 FM LX 001

instalight Vario communication module binary
V2 KM 8F 001

instalight Vario communication module LAN USB
V2 KM LN 001

instalight Vario communication module WiFi USB
V2 KM WL 001

instalight Vario interface module PWM
V2 FM PW 001

instalight Vario plug-in power supply
V2 ZB SNT 001

instalight Vario Set DIN-rail support
V2 ME 001

The control system
instalight Control

With instalight Control InstaLighting provides an integrated control concept. Simple commissioning and intuitive programming of lighting systems in any magnitude are possible without any problems.

REFERENCE

Project: Verkehrsplatz Essen-Steele

Realisation: 2013

Building owner: Essener Verkehrs AG

Architect: EVAG Immobilienmanagement, Uwe Butenberg

Light planner: EVAG Immobilienmanagement, Uwe Butenberg

Photo: lokomotiv.de

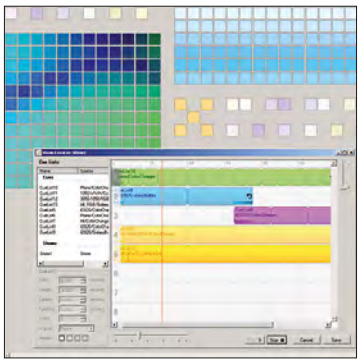
CONTROL

> instalight Control

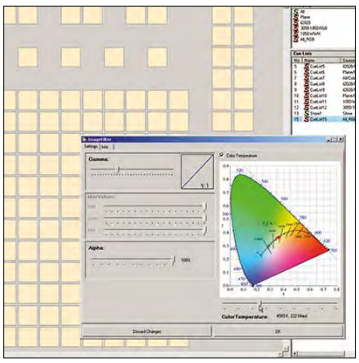
Software and Accessories

instalight Control

instalight Control 3.0 is the free and comfortable PC desktop for the commissioning and programming of an instalight Control system.



Setting colour temperatures



Sequences in the show creator

KNX Indication and operation panel MBT2424

The control system for complex tasks, maximum flexibility and highest demands. In the conception of a project instalight Control offers complete freedom to efficiently realise your ideas.

instalight Control masters all common interfaces of modern building automation and thus is your first choice for a flexible control of complex light installations.

instalight Control 3.0: Advantages & characteristics

> Automatic visualisation of the actuators and sensors connected to instalight Control
> Intuitively operated light scene generators (Planets) allow the simple creation of impressive light animations
> Transparent overlapping of several light scenes by means of layer technology and alpha blending
> Direct visual control of the light scenes created by real-time display on the connected luminaires (live mode)
> Programming of interactive functions such as RGB colour mixture via push button sensors
> Fully automatic creation of light scenes and assignment to connected sensors
> Clear operation by means of various stored user-levels – from beginner to professional
> Continuous updating by means of free downloads via the InstaLighting website

instalight Control 3.0 can be downloaded in full version at:

www.instalighting.de > service > download

instalight Control DMX Master

50920000

DMX Master

Main Features

> Intelligent link between instalight Control and USITT DMX512-A
> Allows connection of up to 64 stations with DMX-interface to instalight Control
> Replay-unit for control of DMX-stations – after commissioning no PC is needed for control
> Control either self-sufficient or in a powerful interconnection with other masters and instalight Control components.
> Support of basic RDM functions (Remote Device Management): Setting of DMX start address and operating mode (Personality) via instalight Control
> Comfortable commissioning and creation of light scenes via user interface instalight Control SW
> Operation via vast instalight Control sensor technology
> Gateway for real-time display of light scenes in online-operation with PC and instalight Control SW (Live mode)

Specifications

Length	90 mm
Height	62 mm
Width	72 mm
Rated voltage DC	48 V
Power consumption (PoE)	max. 6.49 W
Current consumption	140 mA
Degree of protection	IP20
Protection class	III
Switching voltage	AC 230 V ~

Switching output	1 x two-way, bi-stable
Ambient temperature	0 ... +45 °C
RDM/DMX connection	2 x RDM/DMX bus (RJ-45)
Interface	RDM/DMX
Data channels per universe	512
Subscribers per universe	max. 32
RDM/DMX Universes	2
Data rate	100 Mbit/s
Design	RMD, 4 units
Connection ilControl	1 x LAN (RJ-45)

Accessories

Adapter cable RJ45 plug – 5-pin. XLR socket

58924055

instalight Control LEDTRIX Master

50913000

LEDTRIX Master

Main Features

> Intelligent link between instalight Control and LEDTRIX field bus
> Allows the connection of up to 160 LEDTRIX actuators at instalight Control
> Replay-unit for the control of LEDTRIX actuators – after commissioning no PC is needed for the control
> Control either self-sufficient or in a powerful interconnection with other masters and instalight Control components
> Full instalight Control functionality: automatic structure resolution and addressing of the connected actorics
> Comfortable commissioning and creation of light scenes via user-interface instalight Control SW
> Operation via vast instalight Control sensor technology
> Gateway for real-time display of light scenes in online-operation with PC and instalight Control SW (Live mode)

Specifications

Number of LEDTRIX universes	8
Length	90 mm
Height	61 mm
Width	144 mm
Rated voltage	DC 48 V (via ext. power supply or PoE according to IEEE 802.3af)
Power consumption (PoE)	approx. 4 W
Degree of protection	IP20

Protection class	III
Ambient temperature	0 ... +45 °C
Interface	LEDTRIX
Data channels per universe	max. 60
Subscribers per universe	max. 20
Design	RMD, 8 units
single stranded	max.2.5 mm^2

LEDTRIX Repeater IP 20, 2-way

58917000

LEDTRIX repeater

Main Features

> The repeater duplicates the data received and parallelly distributes them to 2 outputs
> The data received are regenerated. Thus the distance between a LEDTRIX sequencer (transmitter) and the first LEDTRIX actuator can be extended by 20 meters
> In combination with the multiport, the repeater can be cascaded in max. 4 steps
> Power supply is effected out of the LEDTRIX system

Specifications

Length	73 mm
Height	18 mm
Width	35.5 mm
Rated voltage	DC 28 V SELV
Power consumption	0.6 W
Degree of protection	IP20
Protection class	III
Short circuit protection	yes

Ambient temperature	-20 ... +45 °C
Protected against overheating	not necessary
No-load state	secured
Connections: outputs	2 LEDTRIX plugs
Connections: inputs	1 LEDTRIX socket
Laying instructions	SELV
Interface	LEDTRIX
Display-/operating elements	None

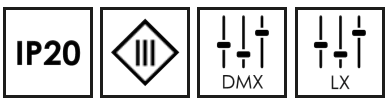
DMX-LEDTRIX Gateway 2 channel, built-in

51688014

DMX-LEDTRIX Gateway

Main Features

> Compact gateway for connection of LEDTRIX actuators to DMX
> DMX address to be set via rotary coding switch
> Up to 100 metres cable length between gateway and first actuator possible
> No programming required
> Conversion of 96 DMX channels to two LEDTRIX universes with 48 channels each



Specifications

Length	175 mm
Height	18 mm
Width	42 mm
Rated voltage	DC 28 V SELV
Power consumption	1 W
Degree of protection	IP20

Protection class	III
Ambient temperature	-20 ... +45 °C
Laying instructions	SELV
Interface	DMX / LEDTRIX
Number of DMX channels	96
Number of channels	2 x 48 LEDTRIX data channels

DMX-PWM converter
59701090

DMX-PWM converter

Main Features

> The DMX-PWM converter is used for brightness control of low-voltage LED lamps
> DMX-telegrams are converted into PWM-signals
> RMD-device with 6 PWM-outputs to control max. 6 groups single-colour
> Different operation modes (parallel operation of the outputs, dimming behaviour) can be set
> DMX-address to be set via rotary coding switches
> Supply of the connected LED-lamps and the DMX-PWM converter via SNT ELI

Specifications

Length	72 mm
Height	62 mm
Width	90 mm
Rated voltage	DC 28 V SELV
Power consumption	1 W
Degree of protection	IP20
Protection class	III
Output current	max 1.5 A per output
Connected load	max. 2 x 126 W (ohmic)
Short circuit protection	yes

Required accessories	DMX adapter cable,
Ambient temperature	-5 ... +45°C
Dimensions	72 x 90 x 62 mm
Connections	20 screw terminals
Laying instructions	SELV
Interface	DMX
Number of DMX channels	6
DMX load resistance	120 Ohm integrated (to be cut in)
Operating elements	1 rotary mode switch
Design	RMD, 4 units

Accessories

DMX adapter cable (socket)

59200080

DMX adapter cable (plug)

59200081

KNX Gateway DMX-Web

13506112

KNX-DMX-Gateway

Intelligent system device, RMD-type, for coupling of DMX512 systems to KNX. To this effect, the KNX Gateway DMX-Web is connected to the KNX and the DMX512-bus. The gateway requires AC/DC24 V supply voltage.

Main Features

> Web control with diagnosis function
> DMX master or DMX slave
> Objects like switching, dimming, value and feedback
> Up to 1024 KNX objects
> Up to 2000 connections
> All 512 DMX channels supported
> ETS4 database for synchronisation with DMX-Gate4

IP20 | III | DMX | KNX

Specifications

Weight	175 kg
Rated voltage KNX	DC21 ... 32 V SELV
Commissioning mode	S-mode
Rated voltage	AC/DC24 V SELV
Power consumption	2 W
Degree of protection	IP20

Protection class	III (SELV)
Ambient temperature	-5 ... +45 °C
Storage/transport temperature	-25 ... +70 °C
Interface	KNX / DMX
Number of DMX channels	512
Design	RMD, 4 units
DMX connection	Screw terminal

Accessories

Power supply unit DC 24 V / 0.4 A

14001913

KNX-DALI-Gateway plus TW

64544421

KNX-DALI-Gateway

Main Features

> Operation of devices with DALI interface in instalight KNX systems
> Control of up to 64 DALI devices in max. 32 different groups
> Up to 64 individually-addressable DALI device channels
> Tunable White: Control of DALI operating devices according to DALI DT8/TW
> Integration into DALI emergency lighting systems possible (central battery systems)
> Calling up and storing of max. 16 light scenes and 16 effects
> Visualisation of operation states of the connected DALI devices
> DALI groups can be operated manually
> Staircase lighting function with switch-off prewarning and operating hours counter

KNX DALI DT8 TW

Specifications

Rated voltage KNX	DC 21 ... 32 V SELV
Length	90 mm
KNX medium	TP 256
Height	62 mm
Width	72 mm
Commissioning mode	S-Mode
Cable length	300 m
Rated voltage	AC 110 ... 240 V ~
Rated voltage DC	110 ... 240 V
Mains frequency	50 ... 60 Hz
Power consumption KNX	typ. 150 mW

Controllable channels	32
Short circuit protection	yes
Ambient temperature	-5 ... +45 °C
No-load state	secured
Storage/transport temperature	-25 ... +70 °C
Interface	KNX / DALI
Display-/operating elements	4 buttons, 3 LED, 1 LED display
Design	RMD, 4 units
DALI rated voltage	DC16 V
Number of DALI subscribers	max.64
DALI protocol	EN 62386
Power loss	max. 3 W

DALI Power Potentiometer, flush mounting

51167002

DALI control unit

Main Features

> DALI control unit with integrated power supply
> allows a common brightness control (broadcast) of up to 26 DALI stations without additional DALI power supply
> Parallel switching of up to four DALI power potis extends the maximum number of DALI stations to 104
> Use of further DALI power potis as extension (without connection of the integrated power supply)
> Switching / dimming by pressing / turning the operation button
> Storing of basic brightness and switch-on brightness

Specifications

Length	70.7 mm
Height	32 mm
Width	70.7 mm
Cable length	300 m
Rated voltage	AC 230 V~
Mains frequency	50 / 60 Hz
Power consumption	2 W

Output current	max. 52 mA
Ambient temperature	-5 ... +45 °C
Connections	Screw terminals
Interface	DALI
DALI rated voltage	DC 16 V (typ)
Number of DALI subscribers	max. 26
Number of active DALI potentiometers	max. 4
single stranded	1 ... 4 mm²

Accessories

Button (pure white)

73508120

Cover (pure white)

80005320

DALI Power Poti TW

51167006

DALI control unit

Main Features

> DALI control unit with integrated power supply
> Setting of the colour temperature for luminaires with DALI Device Type 8 for Tunable White according to IEC 62386-209
> allows a common brightness control (broadcast) of up to 26 DALI stations without additional DALI power supply
> Parallel switching of up to four DALI power potis extends the maximum number of DALI stations to 104
> Use of further DALI power potis as extension (without connection of the integrated power supply)
> Switching / dimming by pressing / turning the operation button
> Storing of basic brightness and switch-on brightness

DALI | DT8 | TW

Specifications

Length	70.7 mm
Height	32 mm
Width	70.7 mm
Cable length	300 m
Rated voltage	AC 230 V ~
Mains frequency	50 / 60 Hz
Power consumption	2 W
Output current	max. 52 mA

Ambient temperature	-5 ... +45°C
Connections	Screw terminals
Interface	DALI
DALI rated voltage	DC16 V (typ.)
Number of DALI subscribers	max.26
Number of active DALI potentiometers	max. 4
single stranded	1 ... 4 mm²
Colour temperature setting	2000 ... 10000 K

Accessories

Button (pure white)

73508120

Cover (pure white)

80005320

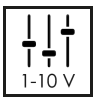
Electronic potentiometer with switch control

51165010

1-10 V control unit

Main Features

> For all power supplies with 1-10V interface for simple light control. If the 1-10 V control inputs of all electronic ballasts in extensive lighting systems are connected to one another and operated by the electronic potentiometer, the whole lighting system can be switched and dimmed centrally.



Specifications

Length	70.7 mm
Height	32 mm
Width	70.7 mm
Rated voltage	AC 230 V ~

Control current	max. 50 mA
Ambient temperature	+5 ... +25 °C
Connections	Screw terminals
single stranded	1 ... 4 mm²
Switching current for AC 230/240V~ ohmic	6 A

Fresenius Car Park, Bad Homburg
Germany
Photo: Boris Golz

INSTA

Accessories

To ensure for a reliable and durable service from your lights, the appropriate operating device is an indispensable appliance.

Perfectly tailored to your lighting, it will for example, manage the current and voltage supply and ensure at the same time that it does not come to any power overloads, short-circuits or excessive temperatures. Apart from this, suitable operating units can be sensibly used for the repetition of data signals to overcome larger distances between control units and lighting. No matter what structural conditions you may face on site, the unit can either be installed within a protective surrounding or a sealed cabinet such as protection class IP66, suitable for immediate use in harsh environments.

Please choose from the following pages, the required and appropriate operating unit which you need for your particular case.

SNT ELI 0-120 W

58916023

Power supply for LED

Main Features

> Powerful system power-supply unit for operation of low-voltage LED applications
> High efficiency by modern topology of the switched-mode power supply
> Automatic switch-off in case of overload, short-circuit or over-temperature
> Electronic inrush-current limitation integrated
> Also suitable for DC operation (emergency power operation)

Specifications

Rated voltage AC	110 ... 240 V ~
Rated voltage DC	175 ... 275 V
Mains frequency	47 ... 63 Hz
Power factor	0.99
Primary current	1,1 A (120 W / 110 V)
Protection class	I
Output voltage	DC 28.5 V =
Output current	4.3 A
Connected load	0 ... 120 W

Efficiency	93 % (at 230 V)
Ambient temperature	-20 ... +45 °C
Length	205 mm
Width	106 mm
Height	51 mm
Short-circuit current	max. 5.5 A
single stranded	max. 4 mm^2
Finely stranded with conductor sleeve	max. 2.5 mm^2
Fine-wire	max.2.5 mm^2
Storage/transport temperature	-20 ... 85 °C

SNT ELI 0-110 W / 30 V

50930074

Power supply for LED, IP67

Main Features

> Powerful system power-supply unit for operation of low-voltage LED applications
> High efficiency by modern topology of the switched-mode power supply
> Automatic switch-off in case of overload, short-circuit or over-temperature
> Encapsulated aluminium housing for durable operation in indoor and outdoor areas

IP67

Specifications

Rated voltage	AC 100 ... 277 V~
Mains frequency	50 / 60 Hz
Power factor	0.96
Primary current	0.7 A (@230 V) / 1.5 A (@110 V)
Degree of protection	IP67
Protection class	I
Secondary voltage	DC 30 V =, SELV
Output current	0 ... 3.7 A
Connected load	0 ... 110 W
Short circuit protection	yes
Efficiency	93 %

Ambient temperature	-40 ... +60 °C
Housing temperature tc	max. 80 °C
Overload / temp. protection	yes
Length	221 mm
Width	69 mm
Height	40 mm
Connection cable primary	ca. 300 mm
Connection cable sec.	ca. 300 mm
Weight	1.1 kg
Secondary cable length	max. 100 m
Storage/transport temperature	-40 ... +80 °C

Supply unit 0-120 W / AM

58920027

Power supply for LED, IP66

Main Features

> Supply unit for single-colour and RGB lines
> Internal switch A/M

IP66

Specifications

Rated voltage	AC 230 / 240 V~	**Ambient temperature**	-20 ... +45 °C
Mains frequency	50 / 60 Hz	**Length**	254 mm
Degree of protection	IP66	**Width**	180 mm
Protection class	I	**Height**	90 mm
Secondary voltage	DC 28.5 V SELV	**Connection mode**	1 x plug / 1 x socket (3-pole)
Output current	max. 4.3 A	**Material**	Plastic
Connected load	0 ... 120 W	**Short-circuit protection**	electronic

Accessories

End plug

58926010

End socket

58926011

SNT ELI 0-90W IP66

DCV 090 30 IP66 2

Power supply for LED, IP66

Main Features

> Electronic operating device for connection of LED modules that are operated with extra low voltage (SELV) according to EN 61347-1 and EN 61347-2-13
> Suitable for the operation of LED emergency lighting at the central supply according to DIN EN 60598-2-22
> Automatic switch-off in case of short-circuit or over-temperature
> Use indoors or outdoors (IP66)

IP66

Specifications

Rated voltage	AC 230 / 240 V~
Rated voltage DC	176...264 V
Mains frequency	50 / 60 Hz
Power factor λ	0.96 (at 230 V)
Primary current	max. 0.5 A (at 230 V)
Inrush current	max. 55 A (435 µs)
Degree of protection	IP66
Protection class	II
Secondary voltage	DC 30 V= SELV

Connected load	0 ... 90 W
Short-circuit protection	electronic
Leakage current	<0.75 mA
Ambient temperature ta	-25°C ... +35°C
No-load proof	yes
Storage/transport temperature	-25 ... +70°C
Length	254 mm
Width	180 mm
Height	110 mm
Housing type	Plastic

Accessories

R SNT ELI 0-90W IP66

R DCV 090 30 IP66 2

SNT ELI 0-57 W

58916030

Power supply for LED

Main Features

> System power supply of medium capacity for operation of low-voltage LEDs with constant voltage
> High efficiency by modern topology of the switched-mode power supply
> Automatic switch-off in case of overload, short-circuit or over-temperature

IP40

Specifications

Rated voltage	AC 230 V ~
Mains frequency	50 / 60 Hz
Power factor	0.95
Standby Power consumption	1.0 W
Primary current	max. 300 mA
Degree of protection	IP40
Protection class	II
Output voltage	DC 28 V SELV

Output current	0 ... 2040 mA
Connected load	0 ... 57 W
Ambient temperature	-20 ... +45 °C
Housing temperature tc	75 °C
Length	270 mm
Width	33 mm
Height	23 mm
Weight	0.15 kg

Supply Unit 0-57 W IP66

DCV 057 28 IP66 2

Power supply for LED, IP66

Main Features

> Electronic operating device for connection of LED modules that are operated with extra low voltage (SELV) according to EN 61347-1 and EN 61347-2-13
> Suitable for the operation of LED emergency lighting at the central supply according to DIN EN 60598-2-22
> Automatic switch-off in case of short-circuit or over-temperature
> Use indoors or outdoors (IP66)

IP66

Specifications

Rated voltage	AC 230 V ~
Mains frequency	50 / 60 Hz
Power consumption	67 W
Power factor λ	0,85
Current consumption	max. 300 mA
Standby Power consumption	max. 1,0 W
Inrush current	max. 22 A / I^2t=0,09 A^2s
Degree of protection	IP66

Protection class	II
Output voltage	DC 28 V
Connected load	0 ... 57 W
Ambient temperature ta	-20 ... +35 °C
Length	320 mm
Width	100 mm
Height	81 mm
Storage/transport temperature	-20 ... +75 °C

Accessories

Repairing kit DCV 057 28 IP66 2

R DCV 057 28 IP66 2

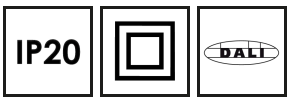
LED driver 32 W 700 mA DALI V2

58919011

Power supply for LED, DALI

Main Features

> Switched-mode power supply for operation of LED module
> Two operation modes can be chosen via micro-switch: Operation with constant current 350/500/550/700 mA, Operation with constant voltage 10/12/24 V
> Dimmable via DALI input
> Electronic overload and short-circuit protection
> Electronic over-temperature protection acc. to EN 61347-1 C.5.a
> Temperature-depending power reduction via external NTC



Specifications

Rated voltage	AC 110...240 V~
Rated voltage DC	220 / 240 V
Mains frequency	50 / 60 Hz
Power factor	0.95
Primary current	max. 0.18 A
Degree of protection	IP20
Protection class	II
Output voltage	max 59 V SELV
Output current	250 ... 700 mA

Connected load	max. 32 W
Short circuit protection	yes
Ambient temperature	-25 °C...+45 °C
Housing temperature tc	75 °C
Overload / temp. protection	yes
Length	103 mm
Width	67 mm
Height	21 mm
Interface	DALI
Switch-on current 50 µs	5 A

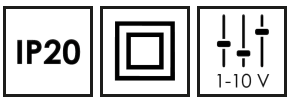
LED driver 20 W 300-1000 mA

50900301

Current supply for LED, 1-10 V

Main Features

> Compact power supply unit for connection of current-driven LEDs with a total capacity of max. 20 W
> Output current adjustable 300 to 1000 mA
> Dimmable 0-100% via 1-10 V, potentiometer or push-button
> Idle-run and short-circuit proof, over-temperature protection
> With ready-for-connection plug system



Specifications

Rated voltage	AC 110...240 V~
Mains frequency	50 / 60 Hz
Power consumption	24 W
Power factor	0.9
Degree of protection	IP20
Protection class	II
Output voltage	max. DC 33 V (SELV equiv.)
Secondary voltage	max. DC 33 V
Output current output 1	250 ... 1000 mA
Output current output 2	250 ... 500 mA
Connected load	1 ... 20 W
Short circuit protection	yes

Efficiency	85 %
Ambient temperature	-20 ... +50 °C
Housing temperature tc	< 85 °C
Overload / temp. protection	yes
Length	109 mm
Width	52 mm
Height	25 mm
Connection cable primary	H03VVH2-F 2x0.75 mm²
Connection cable sec.	Plug system 2-pole flexible, 2x0.25 mm²
Dimmable/Controllable	yes
Interface	1 - 10 V
Weight	0.1 kg

LED driver 12 W 350/700 mA

50900300

Current supply for LED

Main Features

> Compact power supply unit for connection of current-driven LEDs with a total capacity of max. 12 W
> Output current switchable between 350 or 700 mA
> Idle-run and short-circuit proof, over-temperature protection
> With ready-for-connection plug system

IP20

Specifications

Rated voltage	AC 110...240 V~
Mains frequency	50 / 60 Hz
Power consumption	14.6 W
Power factor	0.9
Degree of protection	IP20
Protection class	II
Output voltage	max. DC 33 V (SELV equiv.)
Output current	350 / 700 mA switchable
Connected load	1 ... 12 W

Number of LEDs at 350 mA	9
Number of LEDs at 700 mA	5
Ambient temperature	-20 ... +50 °C
Housing temperature tc	< 85 °C
Overload / temp. protection	yes
Length	99 mm
Width	38 mm
Height	24 mm
Connection cable primary	H03VVH2-F 2x0.75 mm²
Connection cable sec.	Plug system 2-pole flexible, 2x0.25 mm²

Pictograms

Degree of protection IP

Classification of protection of devices (luminaires) against penetration of solid objects or liquids. The information on the IP code is made acc. to EN 60529; It consists of the abbreviation IP (International Protection) and two figures indicating the degree of protection.

IP XX (XX for first and second figure)

1st figure: protection against penetration of solid substances

0 unprotected
1 Protected against solid foreign substances larger than 50 mm
2 Protected against solid foreign substances larger than 12.5 mm
3 Protected against solid foreign substances larger than 2.5 mm
4 Protected against solid foreign substances larger than 1 mm
5 Protected against dust in harming quantity
6 dust-proof

2nd figure:protection against penetration of liquids

0 unprotected
1 drip-proof
2 drip-proof inclined under 15°
3 spray-proof
4 splash-proof
5 protected against jet-water
6 protected against heavy jet-water
7 protected against temporary submersion into water
8 protected against permanent submersion into water
(+ water depth in metres and period of resistance)
9 according to ISO 20653: protected against high-pressure hot steam cleaner
9K according to ISO 40050-9: protected against high-pressure hot steam cleaner

SDCM

During the installation of several luminaires equipped with LED chips, an homogenous colour impression is decisive. SDCM (Standard Deviation of Colour Matching) is a degree for the admissible deviation of colour matching of individual LED within a certain product range of a manufacturer from the relevant target colour point. The higher the figures, the higher the colour deviation. At a deviation of SDCM <4 the human eye can hardly make out any colour difference. Generally, Insta luminaires for general lighting have LED gradings with deviations SDCM 3 or 2 and thus meet highest demands on modern lighting.

Protection class I

Luminaire which is protected against electrical shock not only by the basic isolation but by an additional safety precaution of such kind that touchable, conducting parts are equipped with means for connection to the protective conductor of the firm installation, so that in case of a fault of the basic isolation touchable, conducting parts cannot be active.

Protection class II

Luminaire which is protected against electrical shock not only by the basic isolation but by an additional safety precaution like additional or reinforced isolation. There are neither provisions for the connection of a protective conductor, nor is protection based on the installation regulations.

Protection class III

Luminaire whose protection against electrical shock is based on the application of protective extra-low voltage.

LED

Light generation in the luminaire is exclusively effected by LED. LED (Light Emitting Diodes) are electronic semi-conductor elements whose light generation is based on the physical principle of recombination. LED are maintenance-friendly and extremely effective lamps.

VDU workplace

With regard to radiation characteristics and glare elimination, the luminaire meets all demands on illumination of VDU workplaces acc. to EN 12464-1 and ASR A3.4.

Brightness 0-100%

The luminaire can be dimmed and thus the brightness can be adjusted from 0-100%. The control device to adjust the brightness is either integrated or is required as external device. Further information can be found in the article description.

Light colour RGB

The luminaire is equipped with the basic colours red (R), green (G) and blue (B). By additive mixture of the basic colours, any desired light colour can be displayed.

Light colour RGBW

In addition to the basic colours red (R), green (G) and blue (B), the luminaire is equipped with additional, separately controllable white LED (W). By additive mixtures of the basic colours any desired colour can be displayed, while the white LED makes perfect pastel colours and brilliant white light possible.

Light colour Tunable White (TW)

The luminaire is equipped with white LED of different colour temperatures as well as with an integrated intelligent control, so that not only the brightness but also the light colour can be adjusted within a defined range.

DALI

The luminaire has got an integrated interface for lighting control via DALI (Digital Addressable Lighting Interface). DALI is an international standard for digital control of up to 64 luminaires per system. Here the control cable can be laid together with the supply cable and reach a length of up to 300 m.

Static pressure load

Maximum continuous vertical load on a built-in floor luminaire if the load is evenly distributed over the whole light output surface. Indications in kiloNewton: 10 kiloNewton (kN) correspond to approx. 1.02 tons (t).

Ability to be traversed by vehicles

Maximum total weight of vehicles (cars or lorries used for delivery), by which a built-in floor luminaire can be traversed. Indications in kiloNewton: 10 kiloNewton (kN) correspond to approx. 1.02 tons (t).

Impact strength (IK-code)

Classification of the protection of a luminaire against mechanical stress from outside. Indication by definition of the IK-code acc. to DIN EN 50102 (VDE 0470 part 100) »Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts«. The IK-code is determined by means of a hammer test acc. to DIN EN 60068-2-75.

IK-Code	Stress energy [W] in Joule		
IK01	0,14	IK06	1
IK02	0,2	IK07	2
IK03	0,35	IK08	5
IK04	0,5	IK09	10
IK05	0,7	IK10	20

With luminaires whose light output surface and housing have different IK codes, both values are indicated as follows: IK (housing) / IK (light output surface).

Pictograms

Interface

The luminaire / component has got a digital or analogue interface by which colour and/or brightness can be controlled. The type of control is described by the abbreviation under the pictogram:

LX	Control via instalight Control LEDTRIX-Master or instalight Vario
DMX	Control via USITT DMX512-A e. g. instalight Control DMX-Master
IP	Control via an IP network
1-10 V	Analog brightness control via external 1-10-V control devices
RF	Wireless radio control
PWM	Control via an external power unit, which sets the brightness of the LEDs by quick switching On/Off (pulse width modulation)
KNX	Control via the world-wide standardised field bus for building automation
binary	Control via logic inputs e.g. with standard installation push-buttons

Stainless Steel

The luminaire is made of non-corrosive stainless steel. Depending on the environmental conditions to be expected at the place of installation, InstaLighting uses two materials:

V4A: material No. 1.4401 (AISI 316), 1.4404 (AISI 316L) or 1.4571 (AISI 316Ti)

The steel shows an excellent resistance to a variety of media including hot petroleum products, vapour and combustion gases. With InstaLighting it is used for all inground luminaires.

V2A: material No. 1.4301 (AISI 304)
The steel is resistant to water, water vapour, humidity, edible acids and weak organic and inorganic acids. With InstaLighting, it is used mainly for façade lighting systems.

On customer demand, luminaires made of V2A can also be fabricated in V4A. Furthermore, for particular environmental impacts InstaLighting offers further finishings, e.g. an electro-polished surface.

InstaLighting
is a registered trademark of Instalighting GmbH

Notes on trademarks of third parties:
Apple, App Store, iPhone and Apple Watch
are trademarks or registered trademarks of Apple Inc.

Our customers make highest demands on our products. Innovation potential and quality are as important as flexible use of the products conforming to standards. In order to reach these targets, we follow strict criteria in development and production.

CE-sign and conformity

- The manufacturer declares that all requirements of all EU guidelines relevant for the product have been complied with. The requirements are described in harmonized standards.
- Compliance with the requirements is monitored by tests and documented in test reports. Conformity with the requirements is declared by InstaLighting in the EU declaration of conformity which is accessible at www.instalighting.de.
- For LED lighting technology two safety-relevant standards of the low-voltage directive have to be observed, like DIN EN 62471 (photobiological safety (eye safety) of lamps and systems, and DIN EN 62493 on human exposure to electromagnetic fields of lighting systems.

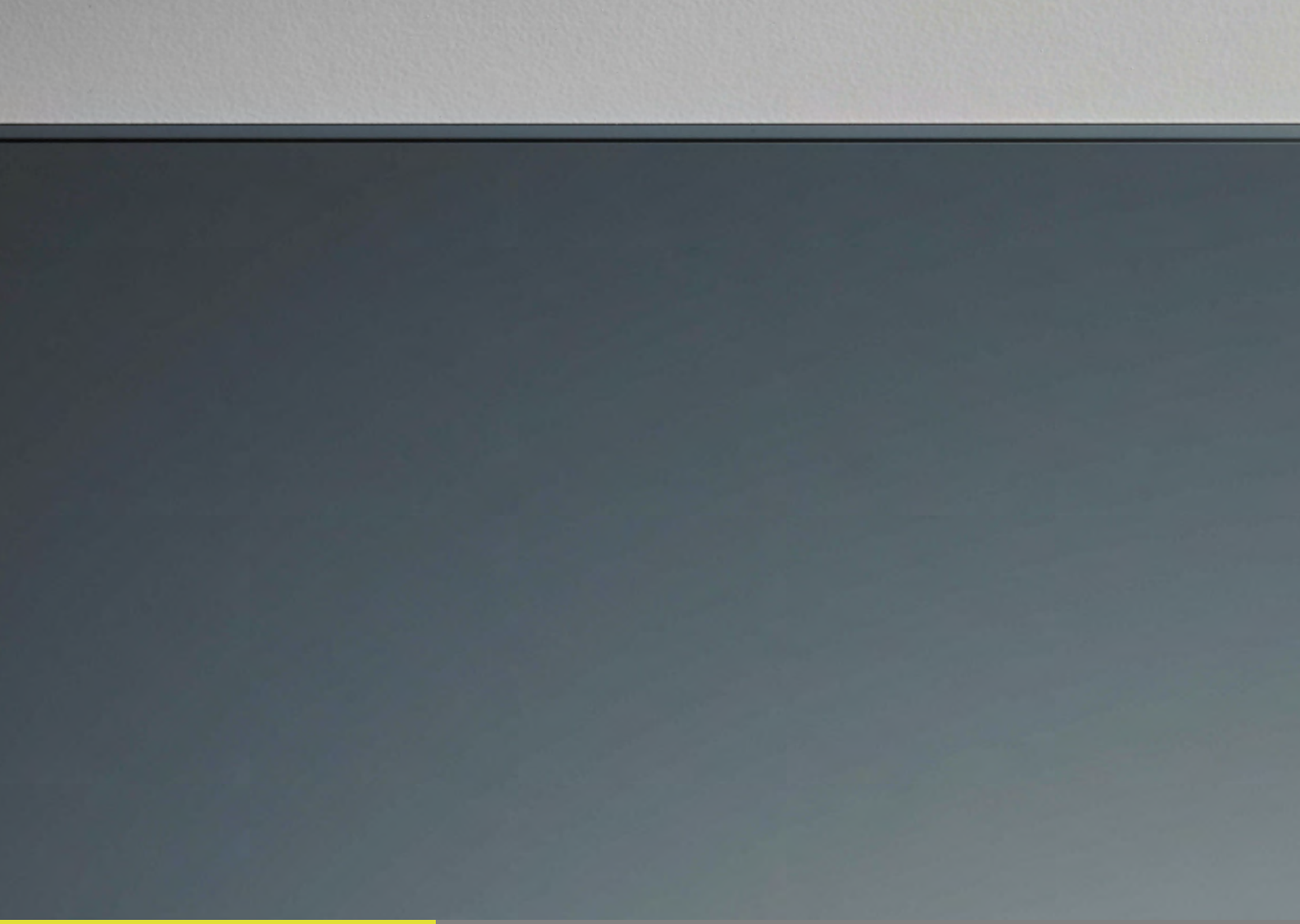
Further directives and regulations

- The WEEE directive (Waste Electrical and Electronic Equipment) bindingly determines the disposal of electrical and electronic appliances - which devices are concerned, how they have to be disposed of as well as marking of the same. InstaLighting luminaires and other components with electronic parts which are marked with the dustbin, have to be disposed of at the end of their useful life with the regional waste collection centres.
- The European RoHS directive 2011/65/EU (Restriction of hazardous substances) restricts the use of certain hazardous substances. Therefore, InstaLighting electronic products are soldered lead-free. InstaLighting processes only goods complying with the relevant directives, and ensures this by our own actions.
- The REACh directive 1907/2006 (EG) (Registration, evaluation, authorisation and restriction of chemicals) manages the handling of chemicals in the fabrication of products. In particular, this implies information obligations, limitations of use and registrations of substances. In the whole supply chain, InstaLighting is neither manufacturer of substances nor of preparations, nor importer. As so-called „downstream user“ InstaLighting depends on corresponding declarations from the individual manufacturers. Our conditions of purchase make sure that InstaLighting only receives goods complying with the REACh directive and its amendments.

Contact

Sales Lightment

T +49 2351 65619-0
sales@instalighting.de



InstaLighting

Instalighting GmbH
Hohe Steinert 10
58509 Lüdenscheid
Germany

T +49 2351 65619-0

info@instalighting.de
www.instalighting.de