CONTACT

Insta GmbH
Hohe Steinert 10
D – 58509 Lüdenscheid

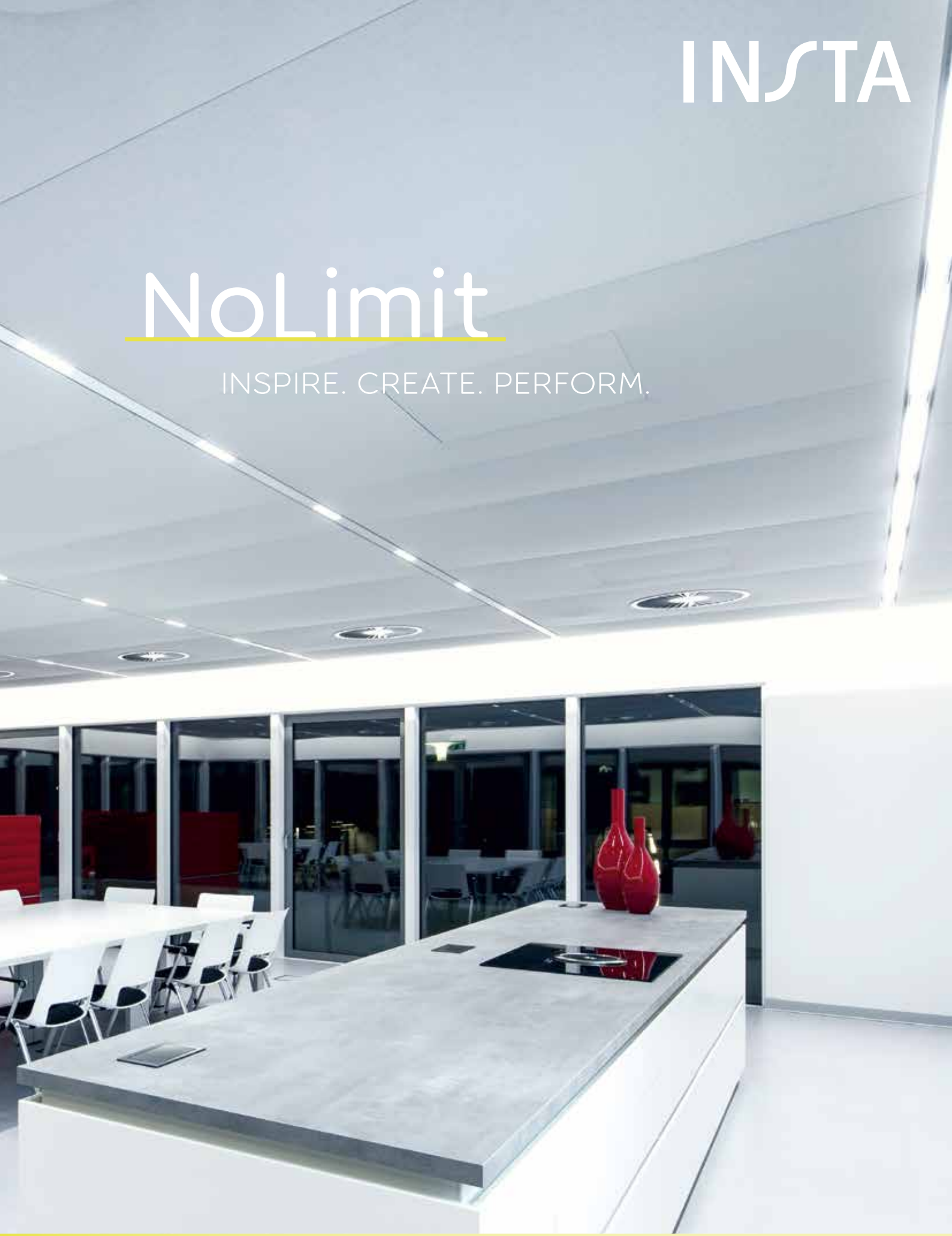
Telephone +49 2351 936-0
info@insta.de

01/2019
90604900

INSTA

NoLimit

INSPIRE. CREATE. PERFORM.



Lightment

instalight NoLimit 4033

Table of Contents

p. 4 **NoLimit**
Limitless variety
Inspire. Create. Perform.

p. 12 **The modular principle**

p. 14 **The components**
Profiles
High Power Optics light insert
High Power Accent light insert
High Power Reflector light insert
Low & Mid Power Linear light inserts
Operating devices & accessories

p. 26 **The configurator**

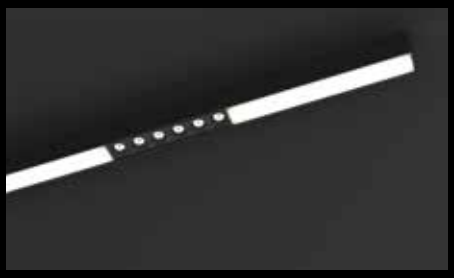
p. 28 **The Vario app**

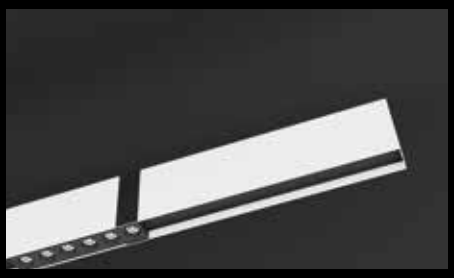
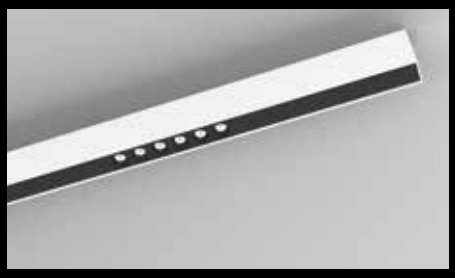
p. 30 **Versions & specifications**

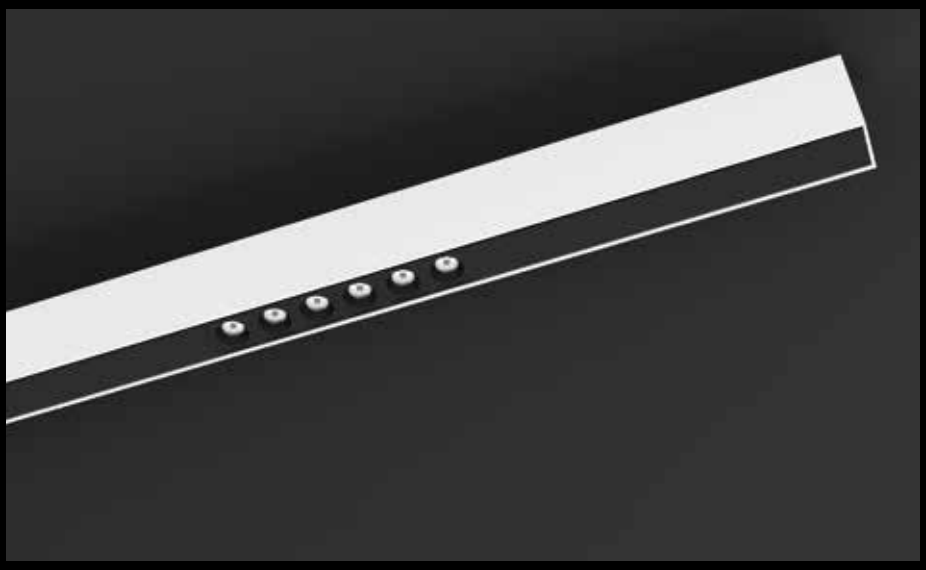
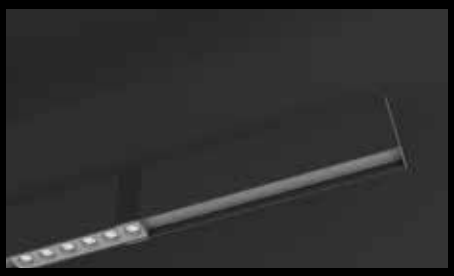
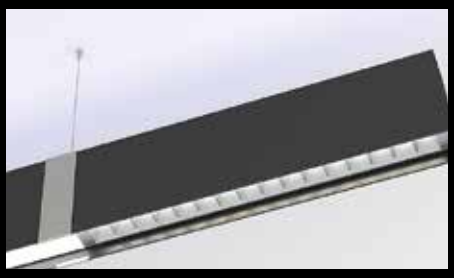
p. 42 **Contact**

NoLimit
Limitless variety

NoLimit offers an endless combination of options for architecture. As a line, cove or polygonal shape, the profile system playfully fits into any spatial geometry. Flush-mounted, suspended or as a ceiling/wall installation, NoLimit ensures a balanced general lighting and creates accents using light. This functions in offices as well as hotels, foyers and even large malls.



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.

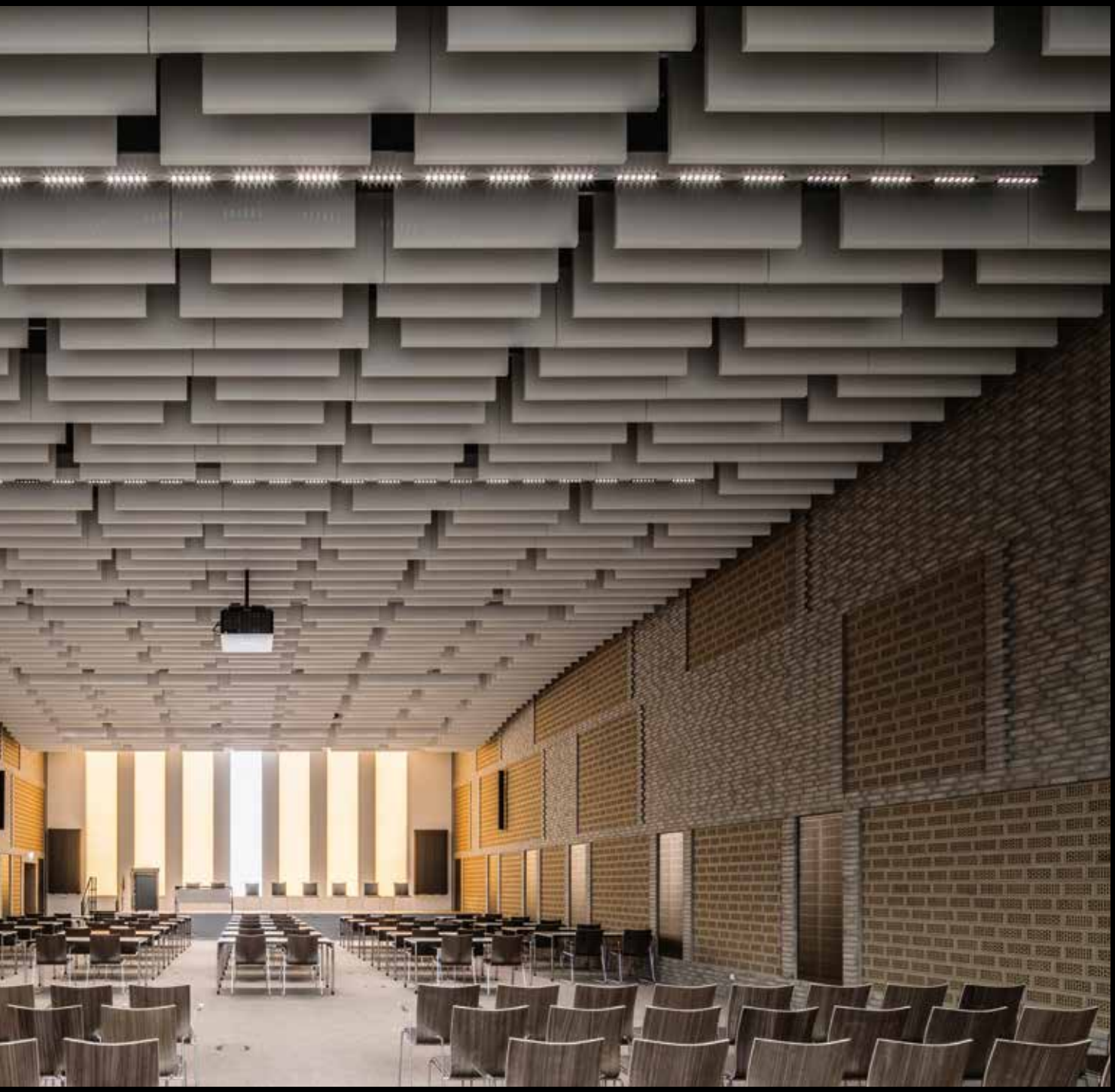
NoLimit offers a vast array of options to spark ideas and captivate your imagination. Anything can inspire you.

REFERENCE

Project/building owner:
Kassenärztliche Vereinigung Hamburg

Architects (project management):
SAHB Schindel Architekten Hamburg
Berlin

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



LUMINAIRES

> High Power Optics light inserts
see p. 16

NoLimit
Inspire. **Create.** Perform.

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.

REFERENCE

Project:
LÖHR CENTER Koblenz

Building owner:
ECE Projektmanagement GmbH & Co. KG

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

LUMINAIRES

> High Power Optics light inserts
see p. 16

NoLimit
Inspire. Create. **Perform.**

REFERENCE

Project/building owner:
Shera Werkstoff-Technologie GmbH & Co. KG

Architects (project management):
Architekturbüro Droste, Droste & Urban

Light planner:
Oliver Christen Lichtplanung

With NoLimit, the planner can decide on the ceiling structure and lighting effect in the room. The subtle design language of these slender profiles fits comfortably into the architecture. The housing which comes in black and white, accompanied by a shadow gap of 2 mm can take a prominent role or simply visually blend in with the immediate surroundings.

With NoLimit, the planner is personally able to build on a reliable framework to achieve an impressive result – a perfect performance.

LUMINAIRES

> Mid Power Linear light insert
see p. 22

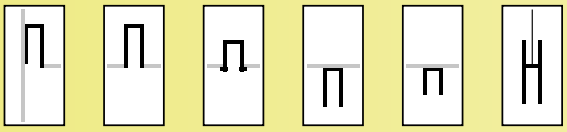
> Light insert High Power Optics
see p. 16

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.

> Profiles, see p. 14



1 2 3 4 5 6

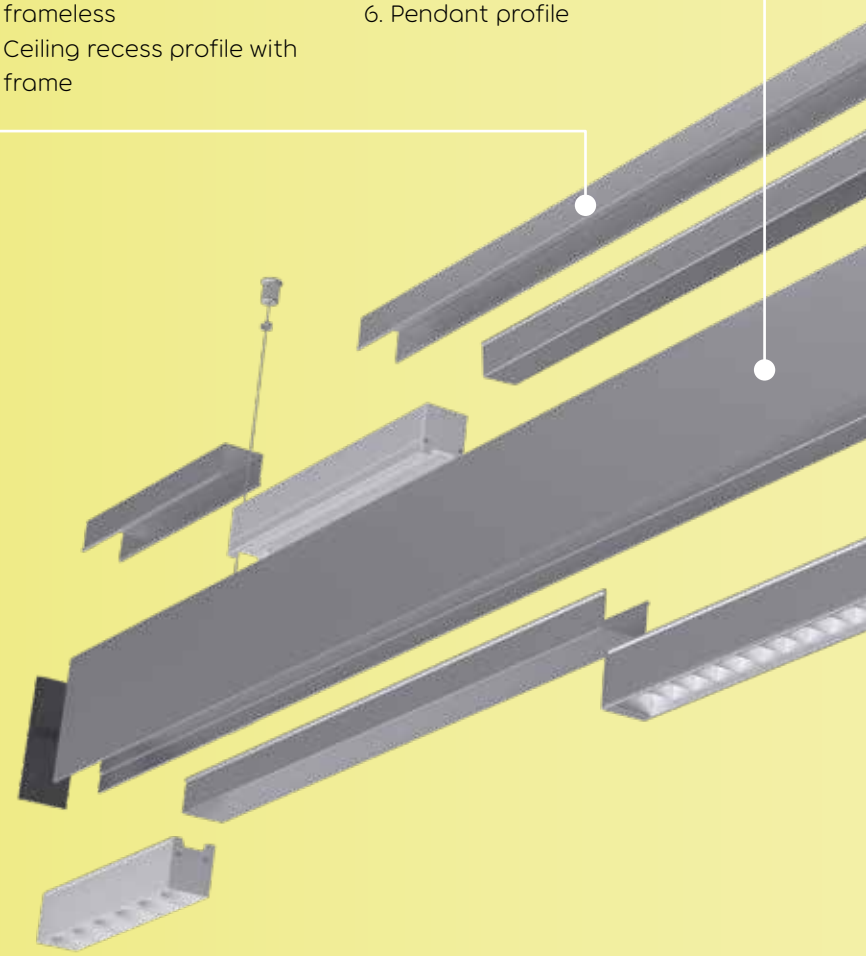
1. Light cove around a corner
2. Ceiling recess profile, frameless
3. Ceiling recess profile with frame
4. Surface mount profile, large
5. Surface mount profile, small
6. Pendant profile

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.

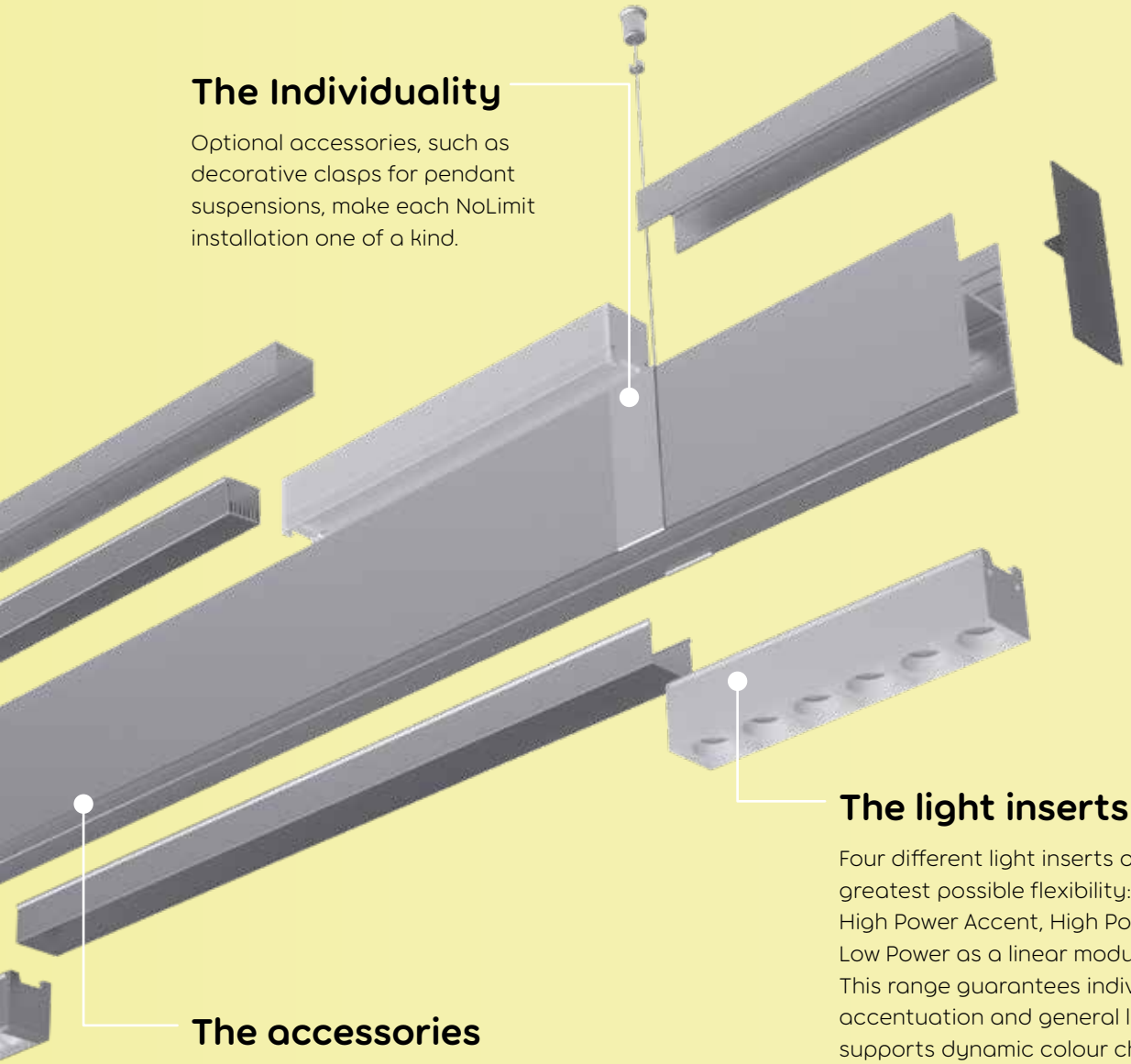
> Operating devices, see p. 24



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.

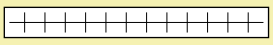


The light inserts

Four different light inserts offer the planner the greatest possible flexibility: High Power Optics, High Power Accent, High Power Reflector, Mid or Low Power as a linear module.
This range guarantees individual solutions for accentuation and general lighting. NoLimit supports dynamic colour chases with RGBW and control via Tunable White.

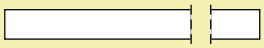
> Light inserts, see p. 16

High Power Optics



High Power Reflector

High Power Accent



Low or Mid Power Linear

RGBW

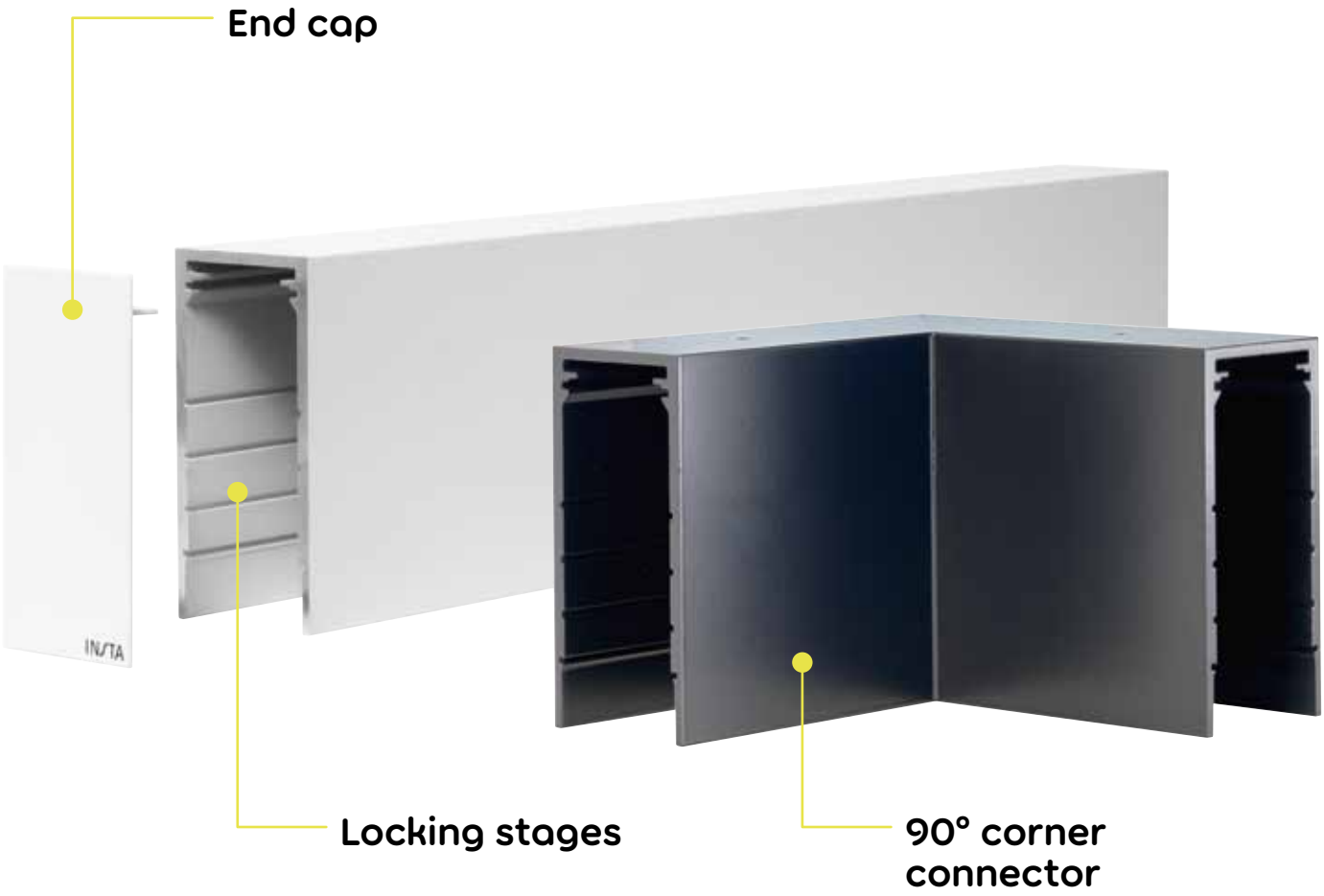
TW

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.

> Accessories, see p. 24

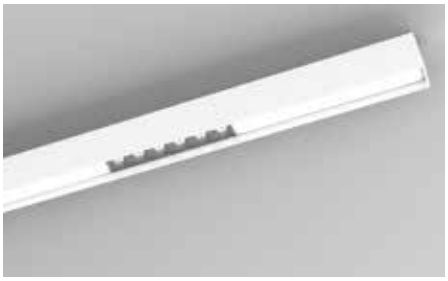
The profiles
Precise & compact



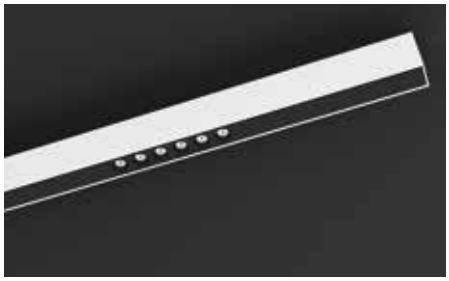
The profiles are available in two powder coatings as standard: black (RAL 9011 silk matt) and white (RAL 9016 silk matt). Six different profile geometries are available for installation, surface mounting or hanging, offering you maximum flexibility. In addition to the standard length of 2.30 m, NoLimit 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

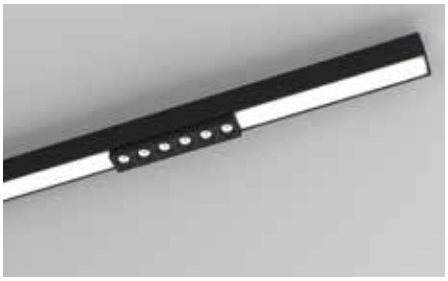
Create an interaction between housings and surfaces which you can either use to contrast or complement your surroundings. The consistent black and white line routing offers you huge potential possibilities in which to transform your space. The modular kit system means that all elements can be combined, 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



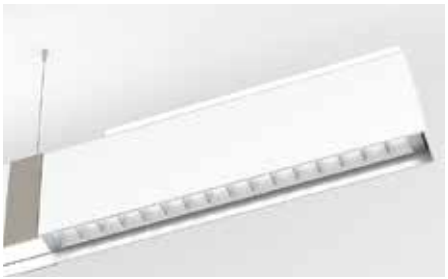
Profile in RAL 9016 in combination with the High Power Optics light insert and a profile cover in RAL 9011



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

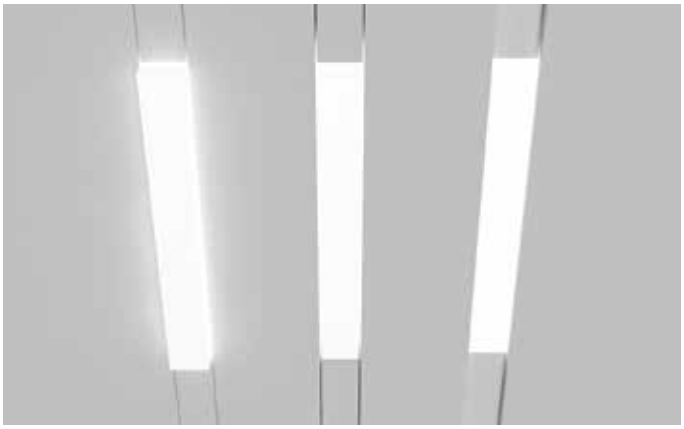
Slender & efficient

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.

Gap-free line routing

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.



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

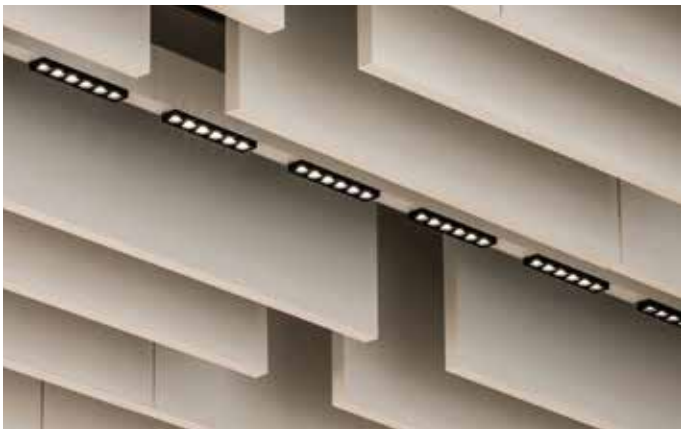
High Power Optics light insert

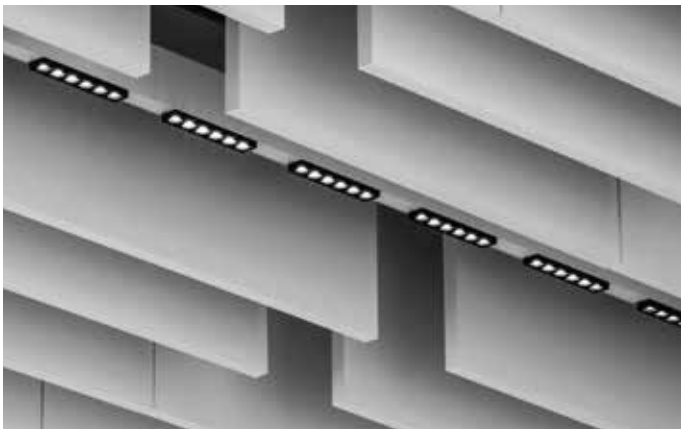
Bundled energy

High Power modules are ideally suited to complex applications within the field of general and accent lighting. The optics applied modulate the light and provide for an exact light focus and homogeneous illumination. The High Power Optics light insert works with four different radiation angles: narrow spot, medium, flood and wide oval.

Colour temperature

Our single-colour light inserts supply high-quality white light in the colour temperatures 2700, 3000 or 4000 K. Luminous flux achieves highest values of up to 1900 lm with high colour rendering, too.



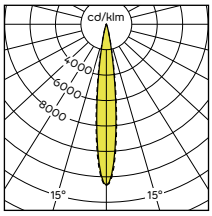


Tunable White

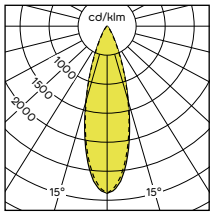
In the Tunable White variant, the light inserts offer ideal options for Human Centric Lighting. The infinitely-adjustable colour temperature controller allows a dynamic change of the light colour in the range of 2700 to 5000 K. In so doing, the light leaves the optics cleanly mixed and free of artefacts.

Radiation angle

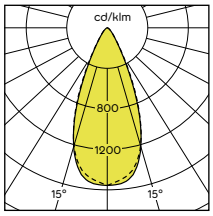
The High Power Optic light insert offers a range of different radiation angles: spot point, medium, flood and broad oval. This means that it is equally suitable for targeted illumination and for lighting different kinds of spaces.



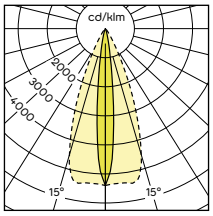
Radiation angle 14°



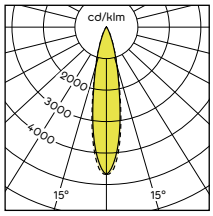
Radiation angle 30°



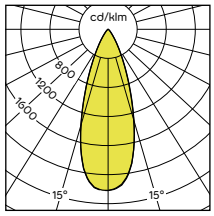
Radiation angle 45°



Radiation angle 12° x 43°



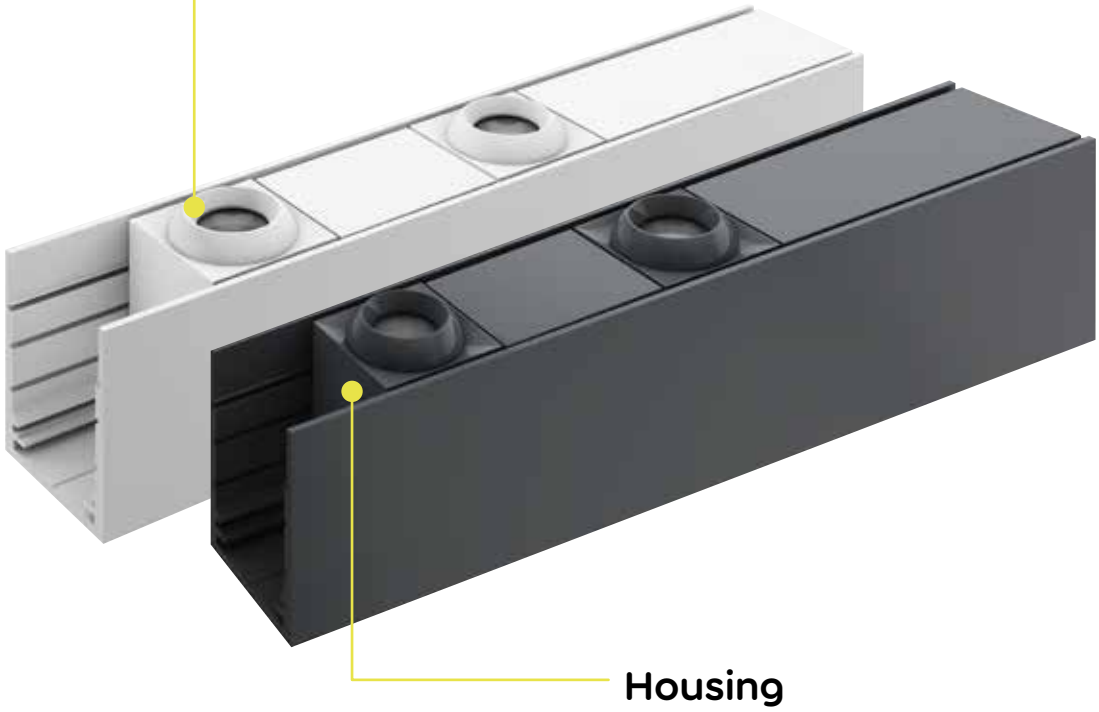
Radiation angle 20° TW



Radiation angle 35° TW

High Power Accent light insert

Precisely focussed light



The High Power Accent modules are perfectly suited for highlights and accents. The light unit can be rotated variably to all sides and is easy to align exactly.

Flexibility and modularity

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.

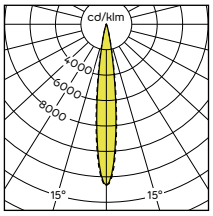
The Accent light insert can be placed anywhere within the NoLimit system and can be adjusted at any time should you decide to change lighting concept. In addition, this compact light insert can be easily retrofitted in existing NoLimit installations.

View – swivelling spotlight

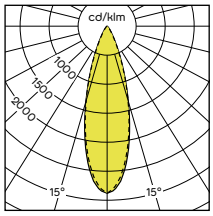
Need more light? In addition to the High Power Accent light insert, a swivelling spotlight is in the pipeline.
It features up to six light outlets to allow high luminance in accent lighting.

Radiation angle for High Power Accent

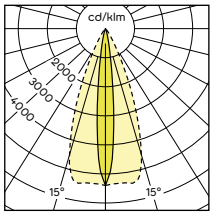
There are plenty of design possibilities to play with when you have three different optics – spot, medium and wide oval – in three light colours plus a Tunable White version.



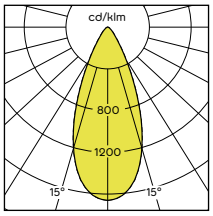
Radiation angle
14°



Radiation angle
30°



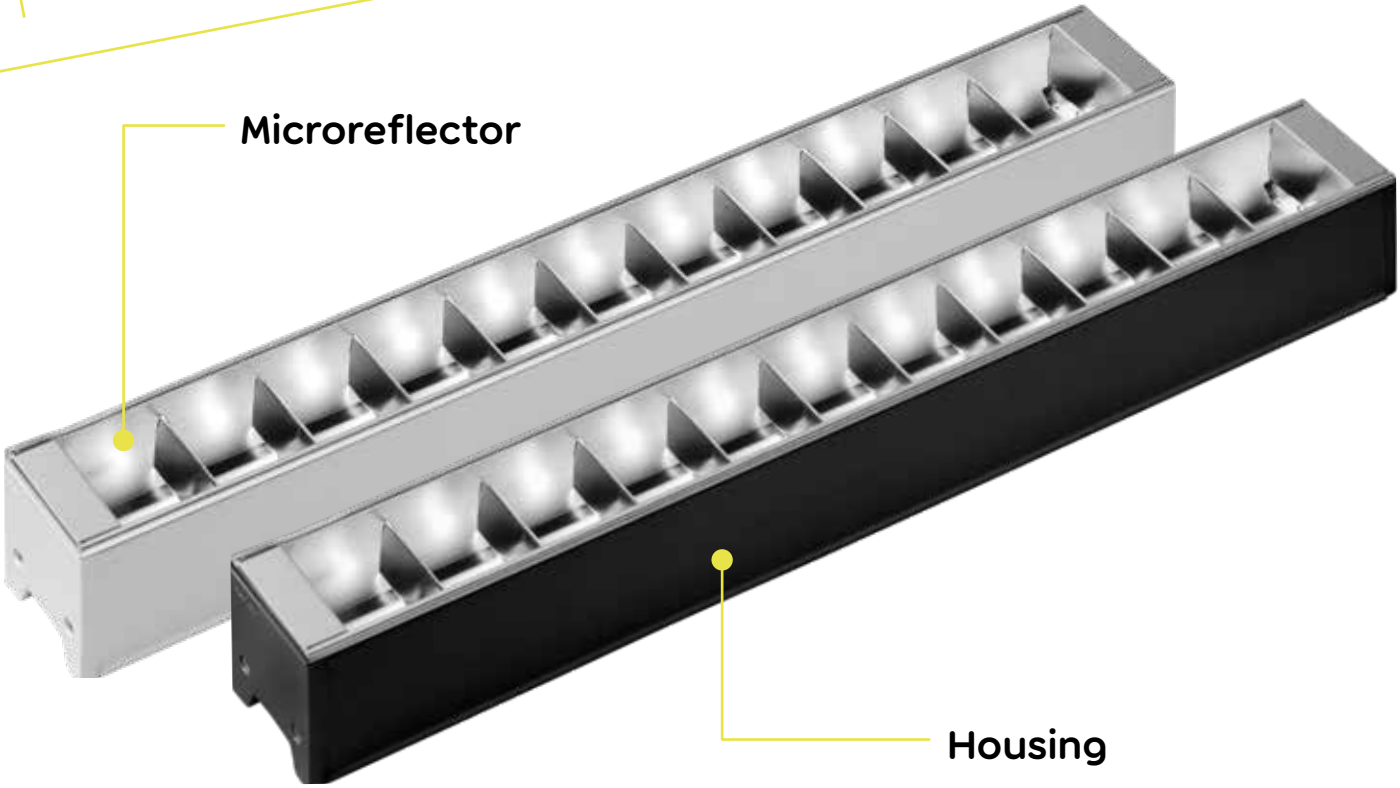
Radiation angle
12° x 43°



Radiation angle
43° TW

High Power Reflector light insert

Brilliant reflection



This High Power reflector is predestined for efficient, standardised and balanced general lighting of large areas.

The High Power high-performance Tunable White LEDs allows for adjustable colour temperatures from 2700 to 5000 K at a luminous flux of around 1600 lm. This means that this hi-tech light solution differs considerably from standard grid luminaires with a static light colour.

Even light distribution

Through targeted steering and internal reflection, the luminaire appears as an even light strip, without any detectable light escape.

Microreflector for optimal glare suppression

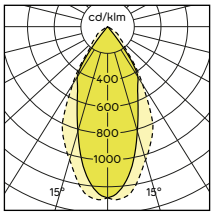
Coherent look with a light strip

Tunable White

With control via Tunable White, the colour temperature is between 2700 and 5000 K. This allows you to adapt the white light to the individual requirements of your project. Irrespective of the setting, the luminous flux leaves the optics cleanly mixed and free of artefacts.

Radiation angle

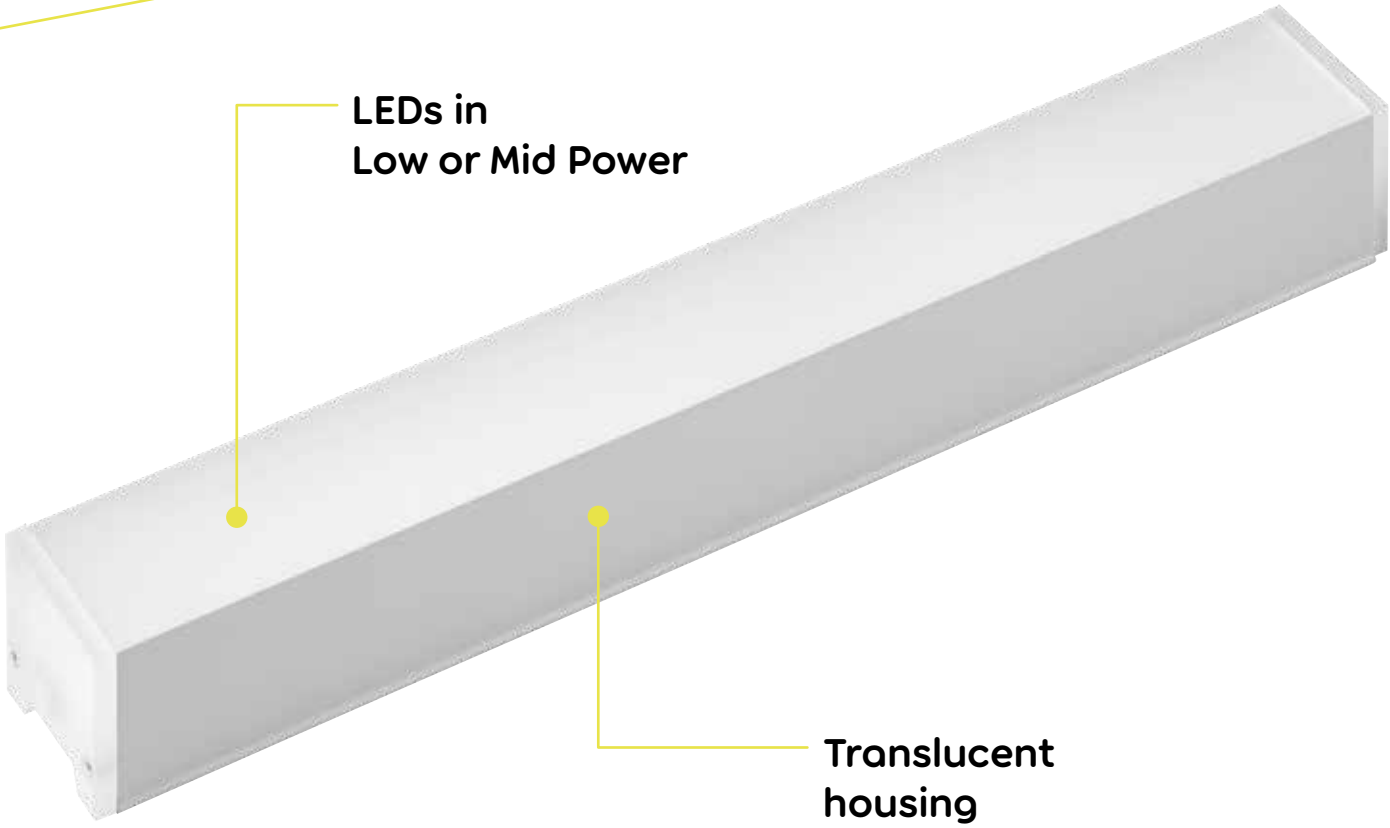
With its radiation angle of 45° x 60°, the logarithmic microreflector ensures optimum glare suppression.



Radiation angle
45° x 60°

Low & Mid Power Linear light inserts

Perfect uniformity



The linear modules are supplied up to a length of approximately 2.30 m, in total the portfolio contains over 150 available modules. This allows for a consistent and self-contained design.

The Mid Power Linear version is the more powerful component of the Linear light inserts. It fulfills the highest requirements for quality general lighting.

Control with DALI or DMX

The Tunable White light inserts can be activated using the operating devices with DALI. This makes it possible to control different lighting groups in a line arrangement. Light inserts with RGBW technology are DMX-compatible and can be activated individually with a resolution of up to 16 cm, for example for light guidance systems in buildings or as effective mood lighting.

Besides the defined colours of blue and green, the Low Power Linear light insert supports dynamic control with RGBW.

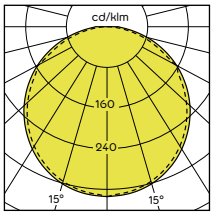
Tunable White Mid Power modules provide line-shaped general or accent lighting. The modules achieve a luminous flux of up to 1500 lm/m.

Light colour 2700 K

Light colour 4000 K

Radiation angle

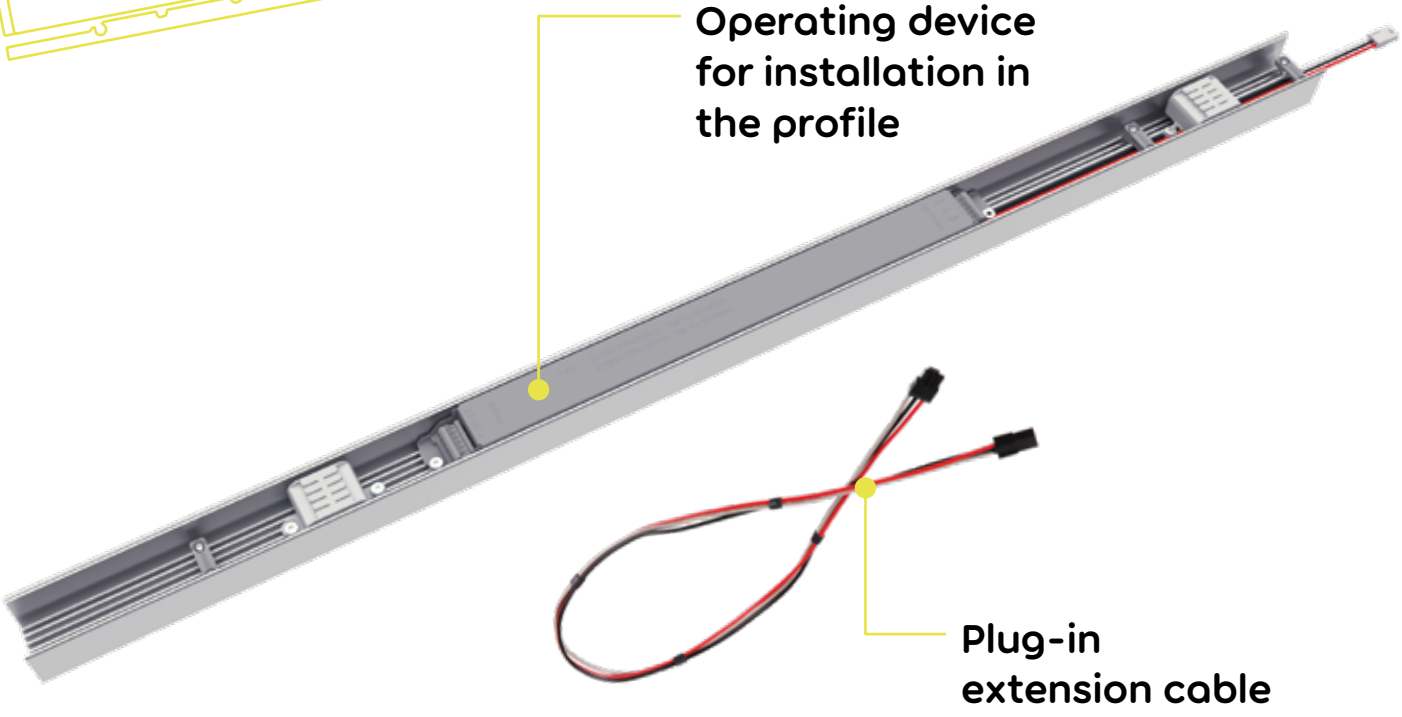
With a radiation angle of 120°, the linear light inserts ensure optimum illumination.



Radiation angle 120°

Operating devices & accessories

Tailor-made supply



Two separate network systems exist for the Low and Mid Power modules as well as the High Power modules: voltage-controlled for Low, current-controlled for Mid Power Linear and High Power.

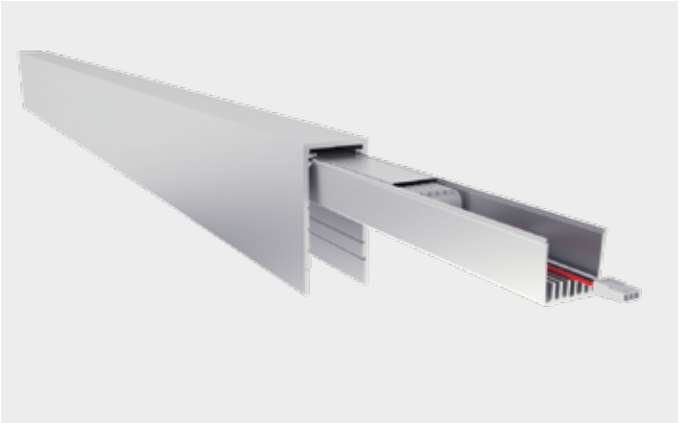
LI value

Once the luminaire draft has been created, it is time to select the appropriate power supply units. If the total of the LI values of the drafted luminaires exceeds the maximum value of the operating device, additional supply devices are required (see formula). Modules can be combined within the profiles but always require a separate power supply for Low Power to Mid and High Power. At the end, the total of the LI values of the selected light inserts must be between the minimum and maximum value of the operating device.

LI min ≤ **Total LI of the luminaires** ≤ **LI max**

Seamless integration

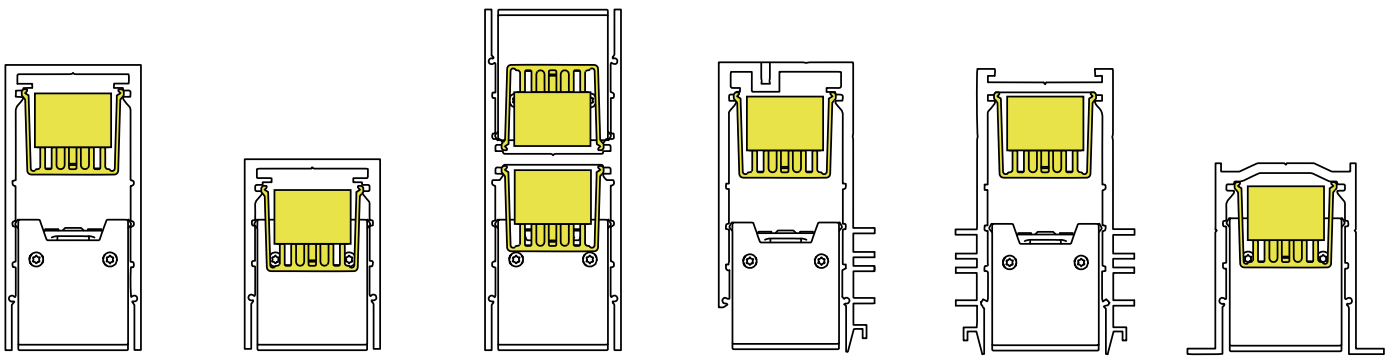
The operating devices can be housed either inside or outside the profiles. The supply modules for location within the mounting profile are equipped for through wiring of the primary supply voltage.



The operating devices become invisible in the profile

... or they can be located in the false ceiling

Positioning of the operating devices

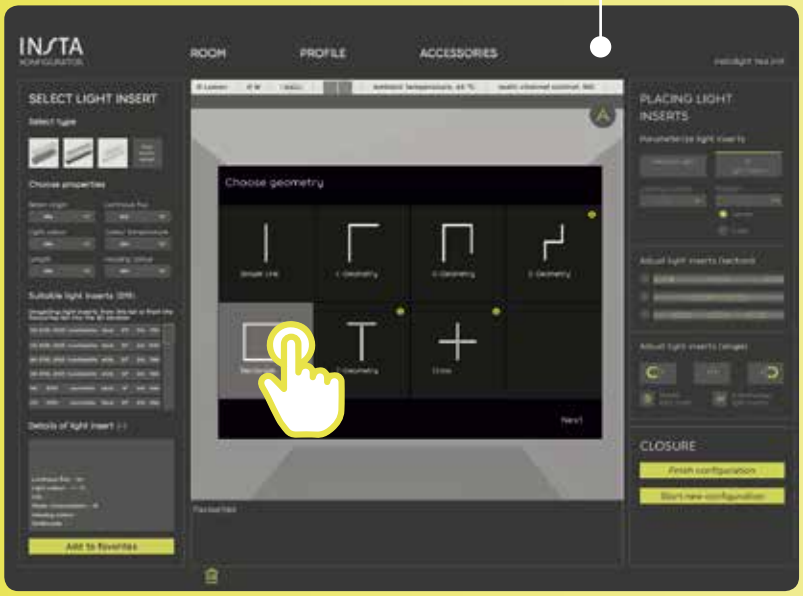


One option is to position the operating devices within the profiles

The configurator
Plug and play with NoLimit

It is easy to start configuring NoLimit. You are reliably taken step by step through the process of realising your own project. This helps the planning process and saves time.

> www.insta.de



1.

Select geometry

With NoLimit, the planner becomes the designer – this is what makes it unique. Step one: choose from seven different geometries. This will give your Lightment project its basic shape.

- **> Simple line**
- **> L geometry**
- **> U geometry**
- **> Z geometry**
- **> Rectangle**
- **> T geometry**
- **> Cross**

2.

Select mounting type

You decide which mountings you require, whether black or white and which influence or effect they will have on the design of your ceiling or wall.

Should the desired profile exceed the standard length of 2.30 m, then this can be extended using profile connectors. End caps ideally round off the end closures. The cover profile hides technology and any cable feed within the profile. The cover can match the colour of the profile and surface or be offset by means of contrast.

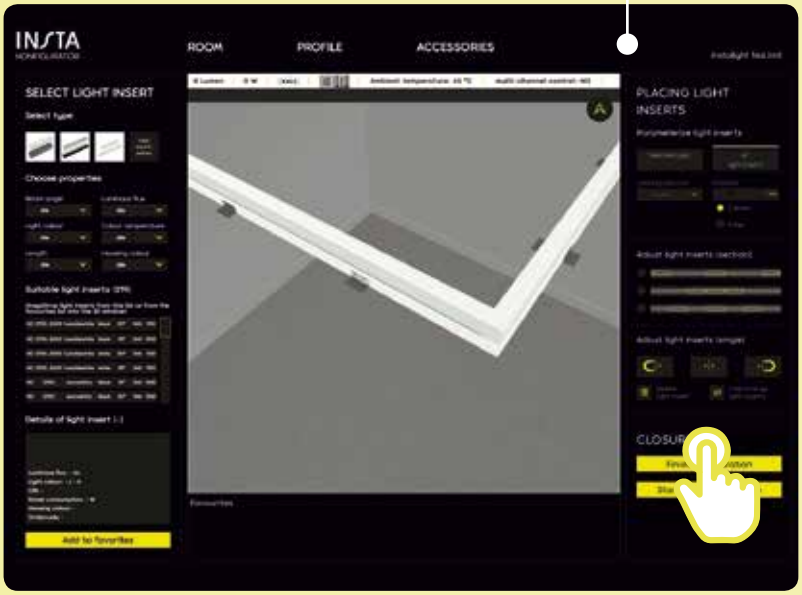
- **> Light cove around a corner**
- **> Ceiling recess profile, frameless**
- **> Ceiling recess profile with frame**
- **> Surface mount profile, large**
- **> Surface mount profile, small**
- **> Pendant profile**

3.

Dimensions and options

Moving into the detail: select the individual edge lengths, choose your preferred segmentation method and decide on the placement of the power supply units. This is also where you decide how the lighting will be controlled.

> Specify edge lengths
> Select segmentation method
> Select location of the power supply units
> Select the activation type
> Complete query catalogue



4.

Select and place light units

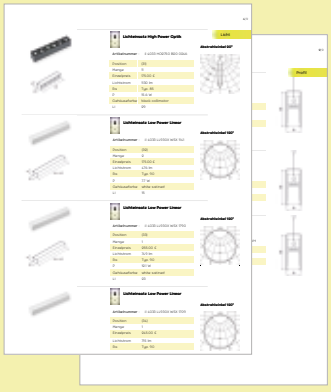
After completing the questionnaire, your NoLimit system is displayed in a 3D window. Here, you can now plan the actual lighting. Through a selection of features you can choose the correct light inserts and then place them in your profile. You can align, move and replace light inserts. Whilst you are busy with the lighting, the configurator is already working in the background taking care of the electrical dimensioning, automatically determining what power supply units are necessary.

> Plan lighting in 3D
> Find light inserts via properties
> Locate, align and replace light inserts
> Align light inserts in 3-stage grid

5.

Completing the configuration

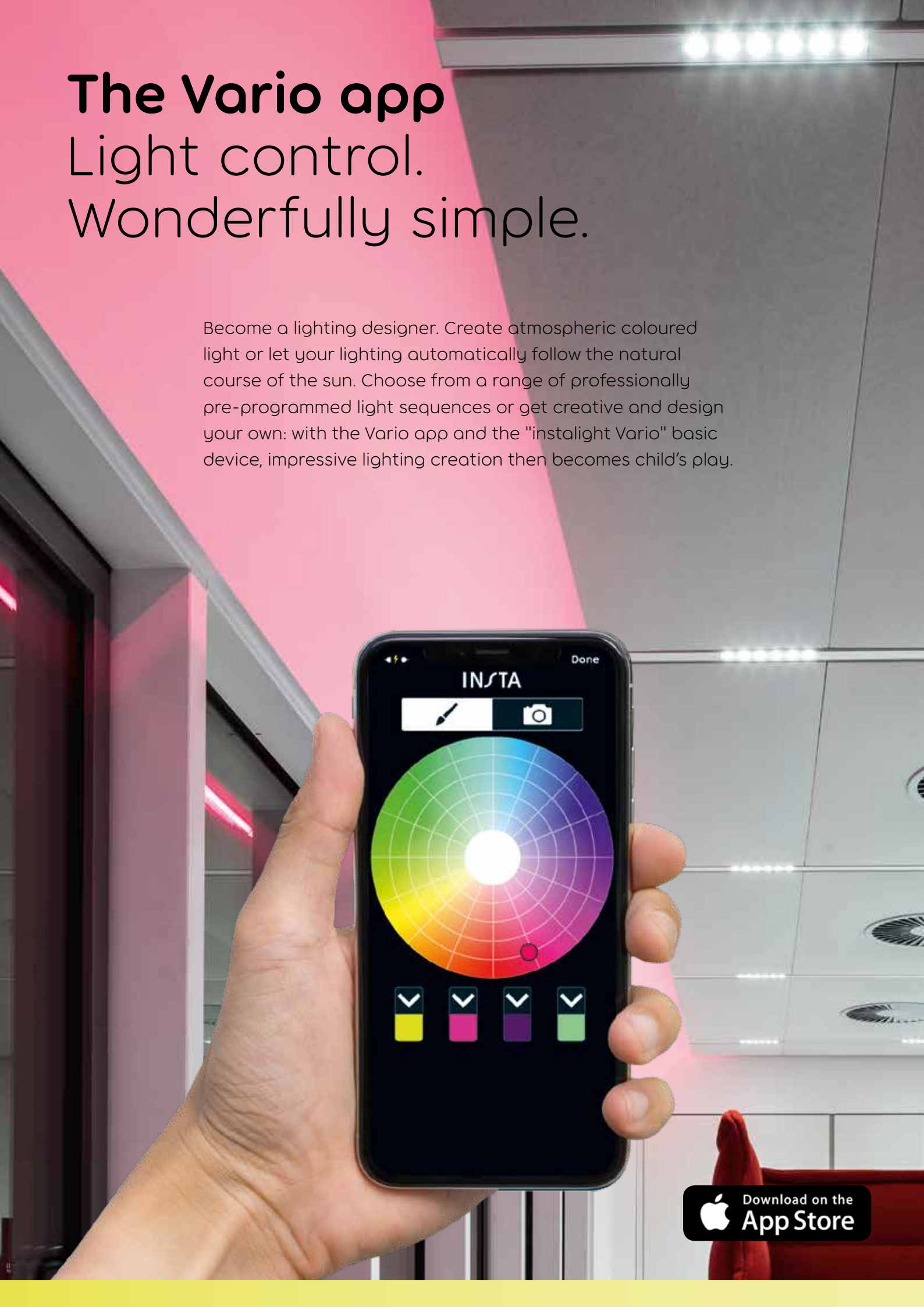
On completion of the configuration, you will receive a PDF datasheet with all the necessary components as well as an overview drawing and a price indication for your configuration.



PDF datasheet

The Vario app
Light control. Wonderfully simple.

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 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

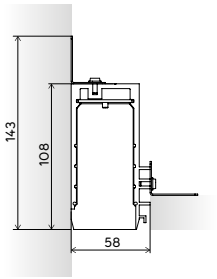
Colour selection via colour picker or front camera on iPhone

Weekly timer with individual switch-on/off times

The profiles

Light cove around a corner

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

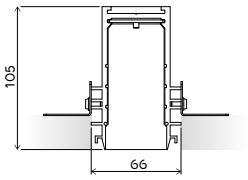


Article description	Article number
☐ **Light cove around a corner** RAL 9016 2.3 m	**il 4033_MK_VT_WH**
■ **Light cove around a corner** RAL 9011 2.3 m	**il 4033_MK_VT_BL**

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 2.3 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.

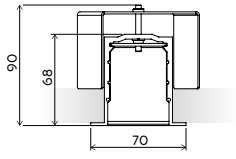


Article description	Article number
☐ **Frameless ceiling recess profile** RAL 9016 2.3 m	**il 4033_MK_EP_WH**
■ **Frameless ceiling recess profile** RAL 9011 2.3 m	**il 4033_MK_EP_BL**

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 2.3 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.



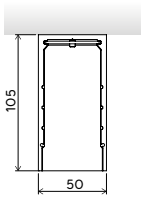
Article description	Article number
☐ **Ceiling recess profile with frame** RAL 9016 2.3 m	**il 4033_MK_EB_R_WH**
■ **Ceiling recess profile with frame** RAL 9011 2.3 m	**il 4033_MK_EB_R_BL**

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**
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.



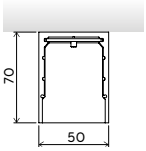
Article description	Article number
☐ **Surface mount profile, large** RAL 9016 2.3 m	**il 4033_MK_AB_H_WH**
■ **Surface mount profile, large** RAL 9011 2.3 m	**il 4033_MK_AB_H_BL**

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.



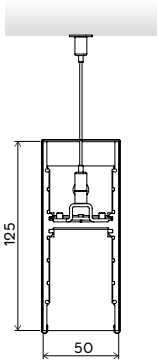
Article description	Article number
☐ **Surface mount profile, small** RAL 9016 2.3 m	**il 4033_MK_AB_F_WH**
■ **Surface mount profile, small** RAL 9011 2.3 m	**il 4033_MK_AB_F_BL**

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.

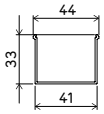


Article description	Article number
☐ **Pendant profile** RAL 9016 2.3 m	**il 4033_MK_PE_WH**
■ **Pendant profile** RAL 9011 2.3 m	**il 4033_MK_PE_BL**

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 1.5 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**

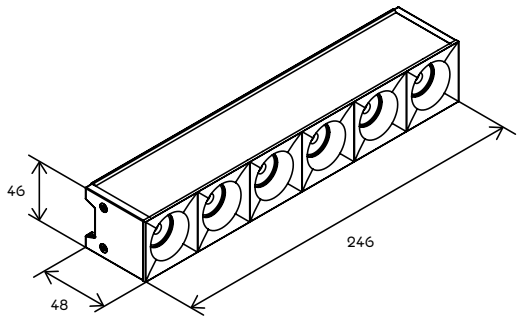
Profile cover

For a tidy closure without escaping light.



Article description	Article number
☐ **Profile cover** RAL 9016 2.3 m	**il 4033_BA_WH**
■ **Profile cover** RAL 9011 2.3 m	**il 4033_BA_BL**

High Power Optics light insert

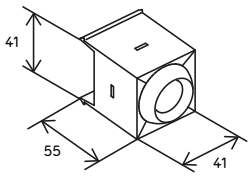


Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI**	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing colour	LI	UGR	Article number
14°	246	43	48	2700	1670 lm	Typ. 85	15.8	106	Yes/*	White	30	< 12	il 4033_HO827X_W14_0246
	246	43	48	2700	1620 lm	Typ. 85	15.8	103	Yes/*	Black	30	< 12	il 4033_HO827X_B14_0246
	246	43	48	3000	1910 lm	Typ. 85	15.8	121	Yes/*	White	30	< 12	il 4033_HO830X_W14_0246
	246	43	48	3000	1850 lm	Typ. 85	15.8	117	Yes/*	Black	30	< 12	il 4033_HO830X_B14_0246
	246	43	48	4000	1910 lm	Typ. 85	15.8	121	Yes/*	White	30	< 12	il 4033_HO840X_W14_0246
	246	43	48	4000	1850 lm	Typ. 85	15.8	117	Yes/*	Black	30	< 12	il 4033_HO840X_B14_0246
30°	246	43	48	2700	1600 lm	Typ. 85	15.8	101	Yes/*	White	30	< 16	il 4033_HO827X_W30_0246
	246	43	48	2700	1560 lm	Typ. 85	15.8	99	Yes/*	Black	30	< 15	il 4033_HO827X_B30_0246
	246	43	48	3000	1800 lm	Typ. 85	15.8	114	Yes/*	White	30	< 16	il 4033_HO830X_W30_0246
	246	43	48	3000	1750 lm	Typ. 85	15.8	111	Yes/*	Black	30	< 15	il 4033_HO830X_B30_0246
	246	43	48	4000	1800 lm	Typ. 85	15.8	114	Yes/*	White	30	< 16	il 4033_HO840X_W30_0246
	246	43	48	4000	1750 lm	Typ. 85	15.8	111	Yes/*	Black	30	< 15	il 4033_HO840X_B30_0246
45°	246	43	48	2700	1515 lm	Typ. 85	15.8	96	Yes/*	White	30	< 19	il 4033_HO827X_W45_0246
	246	43	48	2700	1470 lm	Typ. 85	15.8	93	Yes/*	Black	30	< 17	il 4033_HO827X_B45_0246
	246	43	48	3000	1710 lm	Typ. 85	15.8	108	Yes/*	White	30	< 19	il 4033_HO830X_W45_0246
	246	43	48	3000	1660 lm	Typ. 85	15.8	105	Yes/*	Black	30	< 17	il 4033_HO830X_B45_0246
	246	43	48	4000	1710 lm	Typ. 85	15.8	108	Yes/*	White	30	< 19	il 4033_HO840X_W45_0246
	246	43	48	4000	1660 lm	Typ. 85	15.8	105	Yes/*	Black	30	< 17	il 4033_HO840X_B45_0246
12° x 43°	246	43	48	2700	1590 lm	Typ. 85	15.8	101	Yes/*	White	30	< 18	il 4033_HO827X_W5C_0246
	246	43	48	2700	1540 lm	Typ. 85	15.8	97	Yes/*	Black	30	< 16	il 4033_HO827X_B5C_0246
	246	43	48	3000	1760 lm	Typ. 85	15.8	111	Yes/*	White	30	< 18	il 4033_HO830X_W5C_0246
	246	43	48	3000	1710 lm	Typ. 85	15.8	108	Yes/*	Black	30	< 16	il 4033_HO830X_B5C_0246
	246	43	48	4000	1760 lm	Typ. 85	15.8	111	Yes/*	White	30	< 18	il 4033_HO840X_W5C_0246
	246	43	48	4000	1710 lm	Typ. 85	15.8	108	Yes/*	Black	30	< 16	il 4033_HO840X_B5C_0246
20°	246	43	48	2700 – 5000	1165 lm	Typ. 85	15.6	75	Yes/*	White	30	< 12	il 4033_HO2750_W20_0246
	246	43	48	TW 2700 – 5000	1130 lm	Typ. 85	15.6	72	Yes/*	Black	30	< 12	il 4033_HO2750_B20_0246
35°	246	43	48	2700 – 5000	1120 lm	Typ. 85	15.6	72	Yes/*	White	30	< 16	il 4033_HO2750_W35_0246
	246	43	48	TW 2700 – 5000	1090 lm	Typ. 85	15.6	70	Yes/*	Black	30	< 15	il 4033_HO2750_B35_0246

* depending on the selected operating device ** CRI > 90 on request

LED IP20 SDCM 3 TW 0-100% DALI

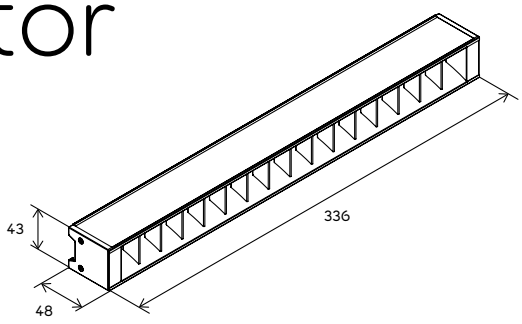
High Power Accent light insert



Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI***	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing colour	LI	Article number
14°	41	41	55	2700	280 lm	Typ. 85	3	93	Yes/*	White	6	il 4033 HA 827X W14 0041
	41	41	55	2700	270 lm	Typ. 85	3	90	Yes/*	Black	6	il 4033 HA 827X B14 0041
	41	41	55	3000	280 lm	Typ. 85	3	93	Yes/*	White	6	il 4033 HA 830X W14 0041
	41	41	55	3000	270 lm	Typ. 85	3	90	Yes/*	Black	6	il 4033 HA 830X B14 0041
	41	41	55	4000	300 lm	Typ. 85	3	100	Yes/*	White	6	il 4033 HA 840X W14 0041
	41	41	55	4000	290 lm	Typ. 85	3	97	Yes/*	Black	6	il 4033 HA 840X B14 0041
30°	41	41	55	2700	265 lm	Typ. 85	3	88	Yes/*	White	6	il 4033 HA 827X W30 0041
	41	41	55	2700	255 lm	Typ. 85	3	85	Yes/*	Black	6	il 4033 HA 827X B30 0041
	41	41	55	3000	265 lm	Typ. 85	3	88	Yes/*	White	6	il 4033 HA 830X W30 0041
	41	41	55	3000	255 lm	Typ. 85	3	85	Yes/*	Black	6	il 4033 HA 830X B30 0041
	41	41	55	4000	285 lm	Typ. 85	3	95	Yes/*	White	6	il 4033 HA 840X W30 0041
	41	41	55	4000	275 lm	Typ. 85	3	92	Yes/*	Black	6	il 4033 HA 840X B30 0041
12° x 43°	41	41	55	2700	265 lm	Typ. 85	3	88	Yes/*	White	6	il 4033 HA 827X W5C 0041
	41	41	55	2700	255 lm	Typ. 85	3	85	Yes/*	Black	6	il 4033 HA 827X B5C 0041
	41	41	55	3000	265 lm	Typ. 85	3	88	Yes/*	White	6	il 4033 HA 830X W5C 0041
	41	41	55	3000	255 lm	Typ. 85	3	85	Yes/*	Black	6	il 4033 HA 830X B5C 0041
	41	41	55	4000	285 lm	Typ. 85	3	95	Yes/*	White	6	il 4033 HA 840X W5C 0041
	41	41	55	4000	275 lm	Typ. 85	3	92	Yes/*	Black	6	il 4033 HA 840X B5C 0041
43°	41	41	55	2700 – 5000 TW	220 lm	Typ. 85	3	73	Yes/**	White	6	il 4033 HA 2750 W43 0041
	41	41	55	2700 – 5000 TW	210 lm	Typ. 85	3	70	Yes/**	Black	6	il 4033 HA 2750 B43 0041

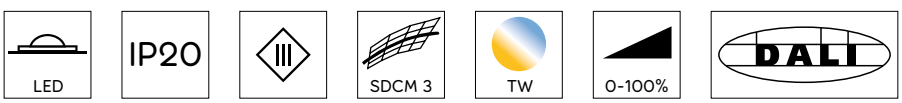
* depending on the selected operating device *** via DALI DT8 power supply unit *** CRI > 90 on request

High Power Reflector light insert

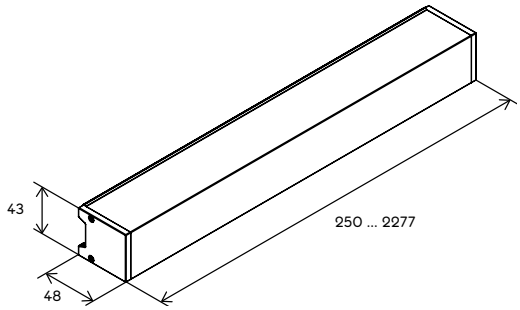


Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI**	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing colour	LI	UGR	Article number
45° x 60°	336	43	48	2700 – 5000 TW	1620 lm	Typ. 85	16.2	100	Yes/*	White	31	< 21	il 4033_HR2750_W5D_0336
	336	43	48	2700 – 5000 TW	1620 lm	Typ. 85	16.2	100	Yes/*	Black	31	< 21	il 4033_HR2750_B5D_0336

* depending on the selected operating device ** CRI > 90 on request



Low Power Linear light insert



Colour temperatures

The lengths shown here only represent a section of the product portfolio.
Use the NoLimit Configurator to discover the entire range of light inserts **(see page 26).**

Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing colour	LI	Article number
120°	330	43	48	2700	136 lm	Typ. 90	2.2	62	Yes/*	Satined	5	il 4033_LL927X_WSX_0330
	979	43	48	2700	409 lm	Typ. 90	6.6	62	Yes/*	Satined	13	il 4033_LL927X_WSX_0979
	1628	43	48	2700	681 lm	Typ. 90	11	62	Yes/*	Satined	21	il 4033_LL927X_WSX_1628
	2277	43	48	2700	953 lm	Typ. 90	15.4	62	Yes/*	Satined	29	il 4033_LL927X_WSX_2277
120°	330	43	48	3000	136 lm	Typ. 90	2.2	62	Yes/*	Satined	5	il 4033_LL930X_WSX_0330
	979	43	48	3000	409 lm	Typ. 90	6.6	62	Yes/*	Satined	13	il 4033_LL930X_WSX_0979
	1628	43	48	3000	681 lm	Typ. 90	11	62	Yes/*	Satined	21	il 4033_LL930X_WSX_1628
	2277	43	48	3000	953 lm	Typ. 90	15.4	62	Yes/*	Satined	29	il 4033_LL930X_WSX_2277
120°	330	43	48	4000	136 lm	Typ. 90	2.2	62	Yes/*	Satined	5	il 4033_LL940X_WSX_0330
	979	43	48	4000	409 lm	Typ. 90	6.6	62	Yes/*	Satined	13	il 4033_LL940X_WSX_0979
	1628	43	48	4000	681 lm	Typ. 90	11	62	Yes/*	Satined	21	il 4033_LL940X_WSX_1628
	2277	43	48	4000	953 lm	Typ. 90	15.4	62	Yes/*	Satined	29	il 4033_LL940X_WSX_ 2277

* depending on the selected operating device

Colour designs

Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing-colour	LI	Article number
120°	330	43	48	Blue	12 lm	-	2.2	5	Yes/*	Satined	5	il 4033_LLBUXX_WSX_0330
	979	43	48	Blue	36 lm	-	6.6	5	Yes/*	Satined	13	il 4033_LLBUXX_WSX_0979
	1628	43	48	Blue	60 lm	-	11	5	Yes/*	Satined	21	il 4033_LLBUXX_WSX_1628
	2277	43	48	Blue	84 lm	-	15.4	5	Yes/*	Satined	29	il 4033_LLBUXX_WSX_2277
120°	330	43	48	Green	1600 lm	-	2.2	18	Yes/*	Satined	5	il 4033_LLGNXX_WSX_0330
	979	43	48	Green	1550 lm	-	6.6	18	Yes/*	Satined	13	il 4033_LLGNXX_WSX_0979
	1628	43	48	Green	1800 lm	-	11	18	Yes/*	Satined	21	il 4033_LLGNXX_WSX_1628
	2277	43	48	Green	1750 lm	-	15.4	18	Yes/*	Satined	29	il 4033_LLGNXX_WSX_2277

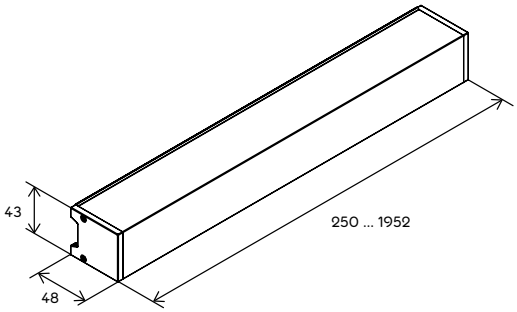
* depending on the selected operating device

Dynamic control with RGBW

Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing-colour	LI	Article number
120°	330	43	48	RGBW	111 lm	-	4.9	23	Yes/LEDTRIX	Satined	10	il 4033_LLRGBW_WSX_0330_LX
	979	43	48	RGBW	333 lm	-	14.7	23	Yes/LEDTRIX	Satined	28	il 4033_LLRGBW_WSX_0979_LX
	1628	43	48	RGBW	555 lm	-	24.5	23	Yes/LEDTRIX	Satined	46	il 4033_LLRGBW_WSX_1628_LX
	2277	43	48	RGBW	777 lm	-	34.3	23	Yes/LEDTRIX	Satined	64	il 4033_LLRGBW_WSX_2277_LX

LED | IP20 | SDCM 3 | RGBW | 0-100% | LX | DALI

Mid Power Linear light insert



Colour temperatures

The lengths shown here only represent a section of the product portfolio.
Use the NoLimit Configurator to discover the entire range of light inserts **(see page 26).**

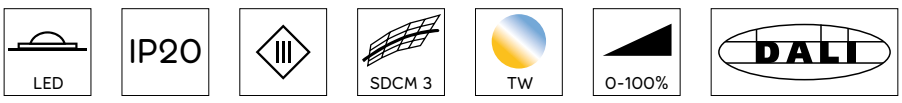
Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing colour	LI	Article number
120°	250	43	48	2700	370 lm	> 90	5.7	65	Yes/*	Satined	11	il4033_ML927X_WSX_0250
	493	43	48	2700	730 lm	> 90	11.4	64	Yes/*	Satined	22	il4033_ML927X_WSX_0493
	736	43	48	2700	1090 lm	> 90	17.2	77	Yes/*	Satined	33	il4033_ML927X_WSX_0736
	979	43	48	2700	1450 lm	> 90	22.9	63	Yes/*	Satined	43	il4033_ML927X_WSX_0979
	1223	43	48	2700	1811 lm	> 90	28.6	63	Yes/*	Satined	54	il4033_ML927X_WSX_1223
	1466	43	48	2700	2171 lm	> 90	34.3	63	Yes/*	Satined	65	il4033_ML927X_WSX_1466
	1709	43	48	2700	2531 lm	> 90	40	63	Yes/*	Satined	76	il4033_ML927X_WSX_1709
	1952	43	48	2700	2891 lm	> 90	45.8	63	Yes/*	Satined	86	il4033_ML927X_WSX_1952
120°	250	43	48	3000	403 lm	> 90	5.7	71	Yes/*	Satined	11	il4033_ML930X_WSX_0250
	493	43	48	3000	796 lm	> 90	11.4	70	Yes/*	Satined	22	il4033_ML930X_WSX_0493
	736	43	48	3000	1188 lm	> 90	17.2	69	Yes/*	Satined	33	il4033_ML930X_WSX_0736
	979	43	48	3000	1580 lm	> 90	22.9	69	Yes/*	Satined	43	il4033_ML930X_WSX_0979
	1223	43	48	3000	1974 lm	> 90	28.6	69	Yes/*	Satined	54	il4033_ML930X_WSX_1223
	1466	43	48	3000	2366 lm	> 90	34.3	69	Yes/*	Satined	65	il4033_ML930X_WSX_1466
	1709	43	48	3000	2758 lm	> 90	40	69	Yes/*	Satined	76	il4033_ML930X_WSX_1709
	1952	43	48	3000	3150 lm	> 90	45.8	69	Yes/*	Satined	86	il4033_ML930X_WSX_1952
120°	250	43	48	4000	447 lm	> 90	5.7	78	Yes/*	Satined	11	il4033_ML940X_WSX_0250
	493	43	48	4000	881 lm	> 90	11.4	77	Yes/*	Satined	22	il4033_ML940X_WSX_0493
	736	43	48	4000	1316 lm	> 90	17.2	77	Yes/*	Satined	33	il4033_ML940X_WSX_0736
	979	43	48	4000	1750 lm	> 90	22.9	76	Yes/*	Satined	43	il4033_ML940X_WSX_0979
	1223	43	48	4000	2186 lm	> 90	28.6	76	Yes/*	Satined	54	il4033_ML940X_WSX_1223
	1466	43	48	4000	2621 lm	> 90	34.3	76	Yes/*	Satined	65	il4033_ML940X_WSX_1466
	1709	43	48	4000	3055 lm	> 90	40	76	Yes/*	Satined	76	il4033_ML940X_WSX_1709
	1952	43	48	4000	3489 lm	> 90	45.8	76	Yes/*	Satined	86	il4033_ML940X_WSX_1952

* depending on the selected operating device

Variably adjustable colour temperature with Tunable White

Radiation angle	Overall size (mm) L	W	H	typ. light colour (K)	typ. Ø Luminous flux	CRI	P (W)	n_v (lm/W)	Dimmable/ Interface	Housing colour	LI	Article number
120°	250	43	48	2700 – 5000	434 lm	> 90	6.1	71	Yes/*	Satined	12	il4033_ML2750_WSX_0250
	493	43	48	2700 – 5000	856 lm	> 90	12.2	70	Yes/*	Satined	23	il4033_ML2750_WSX_0493
	736	43	48	2700 – 5000	1278 lm	> 90	18.3	70	Yes/*	Satined	34	il4033_ML2750_WSX_0736
	979	43	48	2700 – 5000	1700 lm	> 90	24.4	70	Yes/*	Satined	46	il4033_ML2750_WSX_0979
	1223	43	48	2700 – 5000	2124 lm	> 90	30.5	70	Yes/*	Satined	57	il4033_ML2750_WSX_1223
	1466	43	48	2700 – 5000	2546 lm	> 90	36.6	70	Yes/*	Satined	68	il4033_ML2750_WSX_1466
	1709	43	48	2700 – 5000	2968 lm	> 90	42.7	70	Yes/*	Satined	80	il4033_ML2750_WSX_1709
	1952	43	48	2700 – 5000	3390 lm	> 90	48.8	69	Yes/*	Satined	91	il4033_ML2750_WSX_1952

* depending on the selected operating device

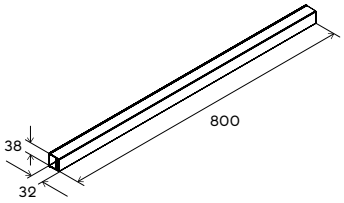


Operating devices & accessories

Operating device for Low Power modules

Within the profile.

Placement within the mounting profiles with through wiring.

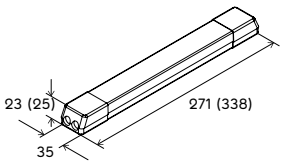


Overall size (mm) L	W	H	Rated voltage, AC (V)	max. network power (W)	LI min	LI max	Interface	Secondary	Protection class	Article number
800	38	32	220 – 240	67	0	105	-	24 V DC	I	**il 4033_CV_60**

Operating devices for Low Power modules

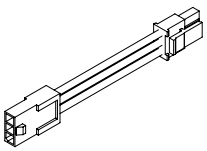
Outside the profile.

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



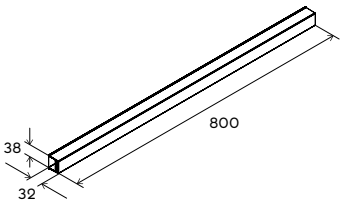
Article description	Article number
Extension cable, 0.5 m	**il_ZLE_IP20_001**
Extension cable, 1 m	**il_ZLE_IP20_002**
Extension cable, 2 m	**il_ZLE_IP20_005**
Cable bracket (10 units)	**il 4033 ZM K 001**

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.

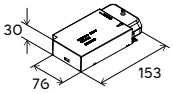


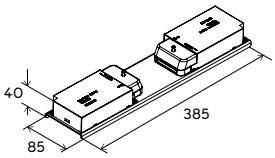
Overall size (mm) L	W	H	Rated voltage, AC (V)	Max. network power (W)	LI min	LI max	Interface	Secondary	Protection class	Article number
800	38	32	220 – 240	55	22	90	-	900 mA	I	**il 4033_CC_50**
800	38	32	220 – 240	56	22	90	DALI	900 mA	I	**il 4033_CC_50_DA**
800	38	32	220 – 240	104	42	2 x 86	2 x DALI	900 mA	I	**il 4033_CC_100_2DA**
800	38	32	220 – 240	104	48	173	2 x DALI	900 mA	I TW	**il 4033_CC_100_DA _TW**

Operating devices for Mid Power Linear and High Power modules

Outside the profile.

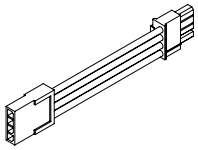
Placement outside the mounting profiles with strain relief.





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	**il 4033_CC_100_DA_TW_E**

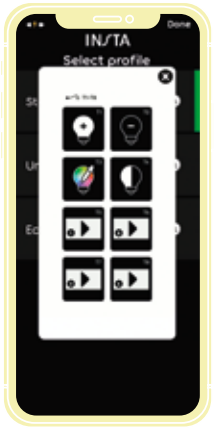
Secondary cable routing for Mid Power Linear and High Power modules



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 units)	**il 4033 ZM K 001**

Article description	Article number
Short-circuit connector	**il 4033_KSS**

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 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

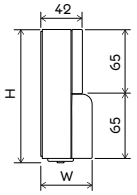
Download on the App Store

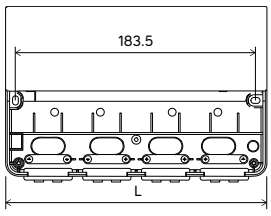
instalight Vario Setup app

> 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

instalight Vario basic device

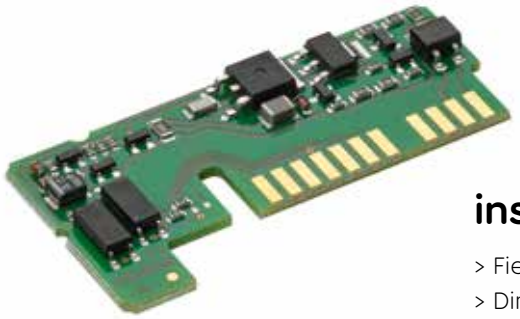
> Universal device for controlling LED applications via smartphone or push-button
> Easy operation via the free instalight Vario app
> Configured in 3 steps by using the free instalight Vario Setup app
> Connection to several smartphones possible
> Separate control of DMX and DALI luminaires or PWM driven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





Article number	V2 GR 001
Overall size	L 200 x W 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

Protection class	III (SELV)
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 fieldbus modules
Display element	1 x status LED (covered in the terminal compartment)
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)

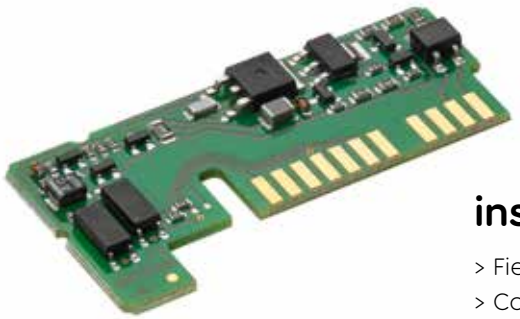


instalight Vario fieldbus module DALI dt6

> Fieldbus module for control of up to 2 x 64 DALI devices via instalight Vario
> Dimming: up to 2 x 64 devices via 2 x DALI dt6 broadcast
> Control of Tunable White: up to 2 x 32 devices via 2 x DALI dt6 (addressed)
> Operation using instalight Vario basic device

Article number	V2 FM DA6 001
Rated voltage (module)	DC 5 V
Rated voltage (DALI)	DC 9.5 ... 22.5 V (external DALI supply necessary)
Max. participants per Bus	64 (depending on external supply)

Data rate	1200 Baud
Fieldbus	1 x DALI (dt6)
Current consumption	< 2 mA
Design	SMD module with "Edge Connector"

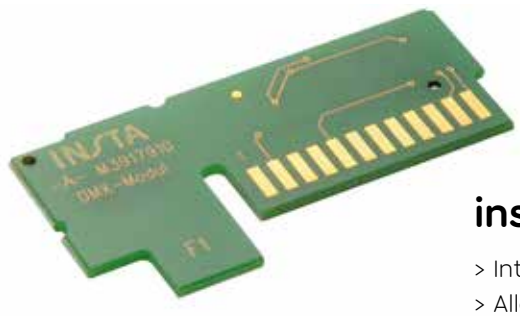


instalight Vario fieldbus module DALI dt8

> Fieldbus module for control of Tunable White luminaires via instalight Vario
> Control of up to 2 x 64 devices via 2x DALI dt8 Tunable White
> Operation using instalight Vario basic device

Article number	V2 FM DA8 001
Rated voltage (module)	DC 5 V
Rated voltage (DALI)	DC 9.5 ... 22.5 V (external DALI supply necessary)
Max. participants per Bus	64 (depending on external supply)

Data rate	1200 Baud
Fieldbus	1 x DALI (dt8)
Current consumption	< 2 mA
Design	SMD module with "Edge Connector"

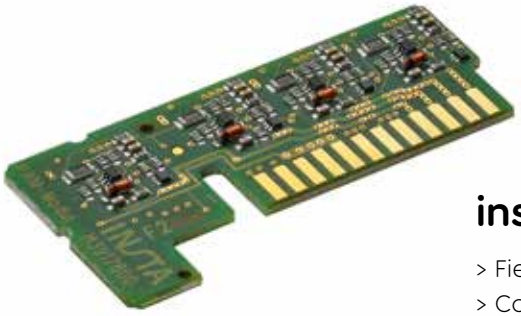


instalight Vario fieldbus module DMX

> Intelligent link between instalight Vario and USITT DMX512-A
> Allows the connection and control of up to 32 participants with DMX interface to instalight Vario

Article number	V2 FM DX 001
Rated voltage	DC 5 V
Design	SMD module with "Edge Connector"
Protection class	III (PELV)
Fieldbus	1 x DMX interface USITT DMX512-A

Topology	FLOATING
Data rate	250 kBit/s
Max. participants	32
Max. number of channels	512

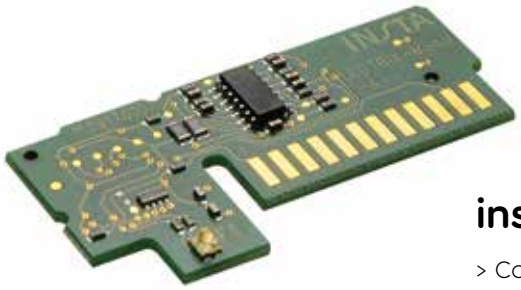


instalight Vario fieldbus module PWM

> Fieldbus module for PWM control of LED luminaires via instalight Vario
> Control of LED applications via up to 4 PWM channels with max. 90 W power each
> Single colour dimming, Tunable White or RGB/RGBW control possible
> Suitable for control of versatile LED applications thanks to universal PWM outputs
> Supply of the PWM channels via external power supply units
> Operation with instalight Vario basic device

Article number	**V2 FM PW 001**
Rated voltage	DC 12 ... 30 V (external)
Design	SMD module with "Edge Connector"
Protection class	III
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

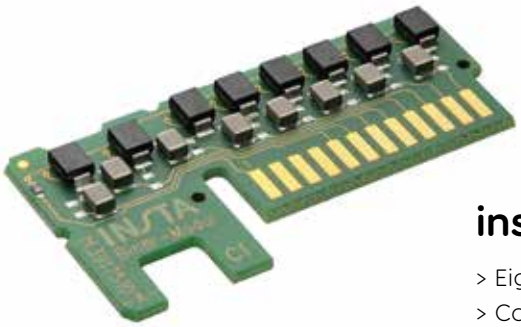


instalight Vario fieldbus module LEDTRIX

> Control of all types (LEDLUX linear, LEDLUX prisma, LEDLUX plane) and colour variants (TW, RGB, RGBW) of LEDLUX LX
> Allows connection of two LEDTRIX Systems with 60 channels each (supply via external power supply units inside of the LEDTRIX systems with max. 120 W per output)
> Supply of the instalight Vario 2 basic device via a connected LEDTRIX system possible (in this case no plug-in power supply is needed for the basic device)

Article number	**V2 FM LX 001**
Rated voltage	DC 28 V
Design	SMD module with "Edge Connector"
Laying instructions	SELV

Fieldbus	2 x LEDTRIX each with 60 channels
Distance	100 m



instalight Vario communication module binary

> Eight independent binary inputs
> Control of an instalight Vario system e.g. via standard push-buttons
> Module is automatically detected by the basic device
> Automatic allocation of the inputs via the instalight Vario Setup app

Article number	**V2 KM 8F 001**
Rated voltage	DC 5 V
Design	SMD module with "Edge Connector"
Short-circuit current	1 mA

Laying instructions	SELV
Max. cable length	10 m
Number of inputs	8

instalight Vario communication module, WiFi, USB

> Provides its own instalight Vario Hot Spot for to connect several iPhones
> Access for the instalight Vario apps for commissioning and operation

Article number	**V2 KM WL 001**
Rated voltage	DC 5 V
Design	USB housing
USB connection	Type A/Version 2.0
Antenna	internal
Ambient temperature	+0° ... 40°C

Radio frequency	2.4 GHz
Transmission capacity	max. 20 mW
Protocol	Type IEEE802.11b/g/n
Display	Link/Activity
Safety type	WPA2-PSK

instalight Vario communication module LAN USB

> Connection to existing WiFi router via Ethernet
> Use of the existing infrastructure

Article number	**V2 KM LN 001**
Rated voltage	DC 5 V
Design	USB housing
USB version	2.0

USB connection	Type A
LAN connection	RJ-45
Display	Link/Activity

Contact

Sales Lightment

Telephone: +49 2351 936 2680
sales.lightment@insta.de

Photo credits

Project: Shera Werkstoff-Technologie GmbH & Co. KG
Title, p. 10 – 11, p. 21 (centre right), p. 23 (centre), p. 28
Photographer: Boris Golz

Project: Kassenärztliche Vereinigung, Hamburg
p. 6 – 7, p. 17
Photographer: Boris Golz

Project: LÖHR CENTER Koblenz, p. 8 – 9
Photographer: Boris Golz

Project: G DATA Software AG, p. 21 (top right), p. 17 (centre)
Photographer: Boris Golz

Insta Sales Lightment, p. 42
Photographer: Alexander Ring