eldoLED
your product | *our drive*

Specification Submittal

# DUALdrive 75L-M2A0D

## DUALdrive

DUALdrive is perfect for dynamic white lighting applications or for luminaires that combine task and ambient lighting. DUALdrive excels in configurability and low dimming - giving you every shade of white! Symbiosis ensures the LED driver works seamlessly together with LED modules, controls and intelligent luminaire elements.

## Product offering

**DUALdrive 75L-M2A0D**

| | |
|---|---|
| Part number P/N | DL75L-M2A0D1 |
| Product description | DUALdrive AC, 75W, DALI-2 + AUX, 2 control channels, constant current, 2x 55V outputs, long metal, side feed |

## Features & benefits

| | |
|---|---|
| Natural dimming | Dim to dark, smooth brightness changes, excellent flicker performance, adaptable dimming curves, configurable minimum dimming level |
| LightShape | Tunable White: colour temperature and intensity control |
| Symbiosis | Seamless interoperability with LED modules, controls and in-luminaire intelligent devices |
| LEDcode | LEDcode2 connects to integrated digital accessories, supports location-based IoT applications and enables wired and wireless lighting control through LEDcode peripheral devices |
| Programmable | Fine-tune your driver for any application |
| Performance | Universal input voltage range, low inrush current and total harmonic distortion (THD), high power factor and efficiency |
| Camera compatibility | Hybrid HydraDrive technology is proven to work in TV studios and security camera environments |

| | |
|---|---|
| Project name: | Contact details: |
| Project number: | |
| LED driver order number: | |

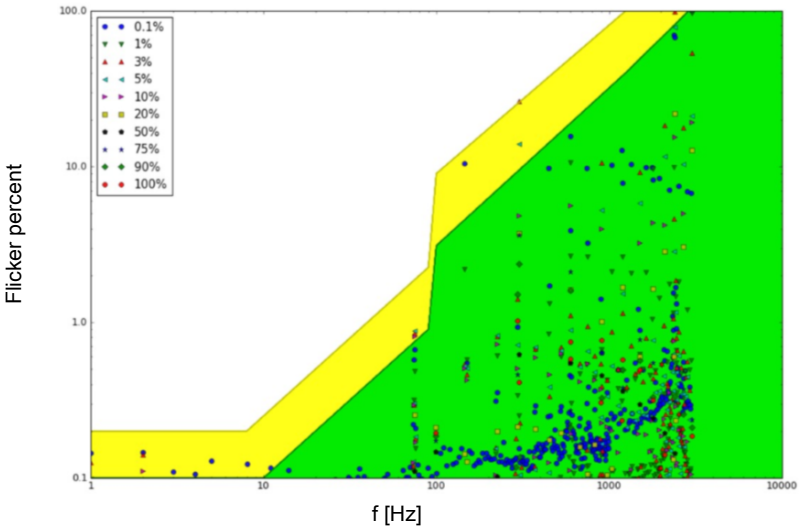


AcuityBrands.

## Typical flicker performance

Typical flicker performance

Typical flicker percent as a function of frequency, measured across the dimming range. The results are overlaid with the low-risk (yellow) and no observable effect (green) levels as defined in IEEE P1789.




## Electrical specifications

| | |
|---|---|
| Driver type | constant current |
| Number of LED outputs | 2 |
| Maximum LED output power | 75W |
| Programmable LED output current range | 150 - 1400mA |
| LED output type | Programmable in 1mA increments within specified current range |
| LED output voltage range | 2 - 55V |
| Auxiliary output | 15.5-25V DC, 18mA max |
| Nominal input voltage range AC | 120 - 250V (ENEC), 120 - 277V (UL) |
| Control protocol | DALI-2 Device Type 6<br>LEDcode2 |
| Control channels | 2 |

## Certifications

## Warranty

| | |
|---|---|
| Warranty period | General Terms and Conditions |

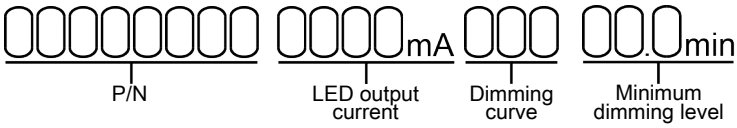
## Dimensions, weight, packaging

| | |
|---|---|
| Length (L) | typical: 424 mm / 16.69 in |
| Width (W) | typical: 30.2 mm / 1.19 in |
| Height (H) | typical: 26.8 mm / 1.06 in |
| Weight | 405 g |
| Products per box | 50 pcs |

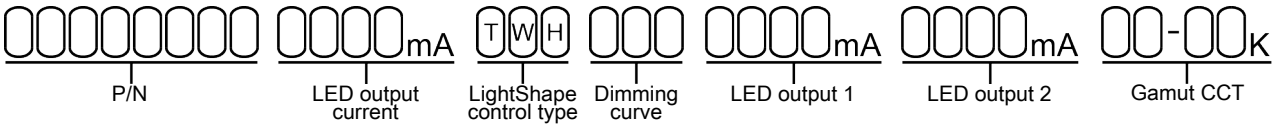
## Connector layout

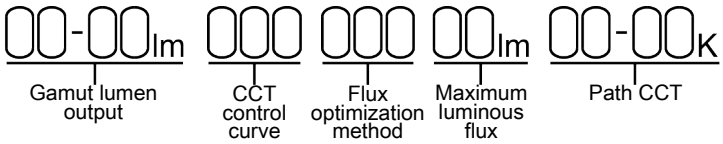
## Order number configurator

### Standard




### LightShape




| | |
|---|---|
| P/N | LED driver part number. |
| LED output current, Standard | Enter value in 1mA increments, e.g. “811” for 811mA |
| LED output current, LightShape | Output current identical for all outputs? Enter value in 1mA increments, e.g. "811" for 811mA and leave the fields "LED output 1" and "LED output 2" blank. Output current different per output? Enter "MCUR" in LED output current and specify the differing currents in LED output 1/2. |
| LightShape control type | "TWH" stands for Tunable White |
| Dimming curve | "LOG" for logarithmic (default)<br>"LIN" for linear |
| Minimum dimming level | Leave blank for default minimum dimming level of 0.1%. Specify in 0.1% increments, e.g. "10.5" for 10.5%. |
| Gamut CCT | LightShape-specific option. Enter the LEDs' CCT as "XX-YY" where XX is LED output 1 and YY is LED output 2. Available options per output: 18, 20, 22, 25, 27, 30, 35, 40, 50, 57 and 65. E.g. "18-50" for 1800K on LED output 1 and 5000K on LED output 2. |
| Gamut lumen output | Enter the lumen output range for LED output 1 and 2 as "XX-YY" where XX is LED output 1 and YY is LED output 2. Available range per output: from "01" for 100lm to "99" for 9900lm. E.g. "10-12" for 1000lm on LED output 1 and 1200lm on LED output 2. |
| CCT control curve | Enter the required CCT control curve: "LOG" for logarithmic, "LIN" for linear |

| | |
|---|---|
| Flux optimization method | Leave blank if a consistent luminous flux output over the full CCT range is required (default); enter "MAX" if the luminous flux must be limited to a maximum value for all outputs combined. |
| Maximum luminous flux | If Flux optimization method is set to "MAX", specify the required lumen output, e.g. "12" for 1200lm. If left blank it is constant (default). |
| Path CCT | Leave blank if Path CCT requires the same values as Gamut CCT. Or specify the Path CCT values as "XXYY" where XX is LED output 1 and YY is LED output 2. Available options per output: 18, 20, 22, 25, 27, 30, 35, 40, 50, 57, 65. E.g. "18-50" for 1800K on LED output 1 and 5000K on LED output 2. |

**Europe, Rest of World**

eldoLED B.V.
Science Park Eindhoven 5125
5692 ED Son
The Netherlands

E: info@eldoled.com
W: www.eldoled.com

**North America**

eldoLED America
One Lithonia Way
Conyers, GA 30012
USA

E: info@eldoled.com
W: www.eldoled.com