# Eval

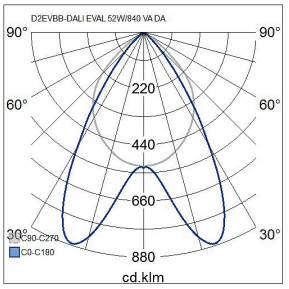
## IP20 51W/840 DA2 AL MA WH



Surface mnt./suspen. luminaire

The slimline Eval luminaire range is designed for offices and other public spaces. The luminaires are equipped with a matt anti-glare shield. The luminaire can be surface mounted or suspended using a wire-suspension fixture that is sold separately. The standard range includes two colour temperatures and efficacies.

Eval Surface mnt./suspen. luminaire 51W 4000K 4100lm Dim Dali-2; IP20; Protection cl. I; L70B50 100000h; LED not exchangeable; CRI>80; SDCM3; Suitable for through wiring; 5x2.5mm²; Housing Steel; Colour wh; Cover Plastic, opal; C16 max. 34




Stocked: No

| IP20 51W/840 DA2 AL MA WH | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| | D2EVBB-DALI | 2.4 | Eval |

# IP20 51W/840 DA2 AL MA WH

EC002892 Ceiling / wall luminaire

| Mounting | |
|---|---|
| Suitable for wall mounting | No |
| Suitable for suspended mounting | No |
| Suitable for ceiling mounting | Yes |
| Suitable for recessed mounting | No |
| Suitable for surface mounting | Yes |
| Suitable for light line configuration | No |
| Suitable for clamp-mounting | Yes |
| Fit for workplace acc. EN 12464-1 | Yes |
| Degree of protection (IP) | IP20 |
| Degree of protection (IP), rear side | IP20 |
| Degree of protection (IP), front side | IP20 |
| Max. number of luminaires per miniature circuit breaker C10 (MCB) | 20 |
| Max. number of luminaires per miniature circuit breaker B16 | 20 |
| Max. number of luminaires per miniature circuit breaker C16 | 34 |
| Impact strength | IK02 |
| Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24 | No |
| Suitable for emergency lighting | No |
| Emergency function monitoring system | None |
| Luminaire may be covered with thermally insulating material | - |
| Type of wiring | Suitable for through wiring |
| Number of poles | 5 |
| Conductor cross section (mm²) | 2.5 mm² |
| Connection type | Screwless terminal |
| Connectable conductor cross section (min) (mm²) | 1.5 mm² |
| Connectable conductor cross section (max) (mm²) | 2.5 mm² |

| Structure | |
|---|---|
| With mounting material | Yes |
| Lamp type | LED not exchangeable |
| Light source included | Yes |
| Suitable for number of lamps | 1 |
| Lamp holder | Other |
| Housing material | Steel |
| Housing surface protection | Powder coating |
| Housing colour | White |
| Cover material | Plastic, opal |
| Type of grid | Matt |
| Control gear included | Yes |
| Exchangeable control gear | Yes |
| Energy efficiency class of light source according to EU regulation 2019/2015 | C |
| Containing product according to 2019/2020/EU | Yes |
| Emergency power supply system | None |
| Emergency power supply integrated | No |
| With switch | No |
| With air slots | No |
| Filament test according to IEC 60695-2-11 | 650 °C - 30 s |

| Electrotechnical data | |
|---|---|
| Voltage type | AC |
| Nominal voltage (min) (V) | 220 V |
| Nominal voltage (max) (V) | 240 V |
| Nominal current (min) (mA) | 1050 mA |
| Nominal current (max) (mA) | 1050 mA |
| Type of control gear | LED operating device current-controlled |
| Protection class according to IEC 61140 | I |
| Suitable for lamp power (min) (W) | 51 W |
| Suitable for lamp power (max) (W) | 51 W |
| Luminaire efficacy (min) (lm/W) | 80 lm/W |
| Luminaire efficacy (max) (lm/W) | 80 lm/W |
| Maximum system power (W) | 51 W |
| Luminaire efficacy (lm/W) | 80 lm/W |
| Power factor | 0.9 |
| Total harmonic distortion (THD) (%) | 10 % |
| Total harmonic distortion | 10 THD |

| Dimming and control | |
|---|---|
| Dimmable | Yes |
| Dimming 0-10 V | No |
| Dimming 1-10 V | No |
| Dimming DALI | No |
| Dimming DALI-2 | Yes |
| Dimming DMX | No |
| Dimming DSI | No |
| Dimming LineSwitch | No |
| Dimming manufacturer's proprietary system | No |
| Dimming mains voltage modulation | No |
| Dimming trailing edge | No |
| Dimming leading edge | No |
| Dimming programmable | No |
| Dimming potentiometer (integrated) | No |
| Dimming RF | No |
| Dimming Sine Wave Reduction | No |
| Dimming Touch and Dim | No |
| Dimming Zigbee | No |
| Dimming with push-button | No |
| No dimming function | No |
| With presence indicator | No |
| With movement sensor | No |
| With light sensor | No |
| Bluetooth operated | No |
| Compatible with Casambi | No |
| Compatible with Apple HomeKit | No |
| Compatible with Google Assistant | No |
| Compatible with Amazon Alexa | No |
| IFTTT support available | No |

| Photometric data | |
|---|---|
| Light distributor | Reflector |
| Light sharing | Symmetric |
| Beam angle | Wide beam 40-80° |
| Colour consistency (McAdam ellipse) | SDCM3 |
| Light outlet | Direct |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 4100 lm |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 4100 lm |
| Colour of light (alphanumeric) | White |
| Effective luminous flux (lm) | 4100 lm |
| Colour temperature (min) (K) | 4000 K |
| Colour temperature (max) (K) | 4000 K |
| Flickering value Pst LM | 1 |
| Colour rendering index (CRI/Ra) | 80-89 |
| Stroboscope effect value SVM | 0.4 |
| Photobiological safety according to EN 62471 | RG0 |
| Unified Glare Rating (UGR) | 19 |
| Colour temperature switchable | No |
| Lumen setting adjustable | No |
| Beam angle adjustable | No |

| Lifetime and capacity | |
|---|---|
| Rated life time L70/B50 at 25 °C (h) | 100000 h |
| Rated life time L80/B50 at 25 °C | 65000 h |
| Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 90 % |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 85 % |
| Lumen maintenance at median useful life of 75,000 hrs at 25 °C ambient (tq) (%) | 80 % |
| Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 5 % |
| Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 5 % |
| Failure rate at median useful life of 75,000 hrs at 25 °C ambient (tq) (%) | 10 % |
| Rated ambient temperature acc. IEC62722-2-1 (min) (°C) | 0 °C |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C) | 25 °C |

| Measurements | |
|---|---|
| Width (mm) | 98 mm |
| Height/depth (mm) | 50 mm |
| Length (mm) | 1223 mm |