# Carol



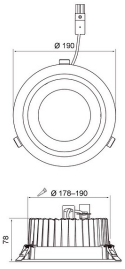
## 190 IP43 10W/840 GLO WH

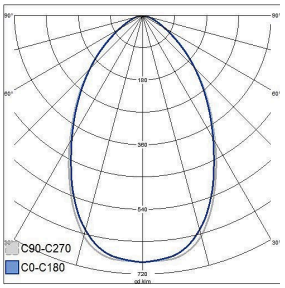
Downlight

A downlight range designed for corridors and lobbies in public buildings. An extensive, high-quality selection that offers a choice of three different sizes. Integrated LED, colour temperatures of 3000 K and 4000 K. Available as on/off and Dali models. Glossy reflector. Recessed mounting on a ceiling.

Carol Downlight 10W 4000K 1000lm Beam angle Wide beam 40-80°; No dim; IP43; Protection cl. II; LED not exchangeable; CRI>80; SDCM3; Suitable for through wiring; 5x2.5mm²; Housing al; Colour wh; Cover Glass opal

Stocked: No






| 190 IP43 10W/840 GLO WH | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| 4146571 | 4146571 | 1 | Carol |

# 190 IP43 10W/840 GLO WH

EC001744 Downlight / spot luminaire / floodlight

| Mounting | |
|---|---|
| Suitable for surface mounting | No |
| Suitable for recessed mounting | Yes |
| Suitable for wall mounting | No |
| Suitable for suspended mounting | No |
| Suitable for ceiling mounting | Yes |
| Suitable for traverse mounting | No |
| Suitable for pedestal/floor mounting | No |
| Suitable for light-track mounting | No |
| Suitable for clamp-mounting | No |
| Suitable for low voltage cable system | No |
| Degree of protection (IP) | IP43 |
| Degree of protection (IP), rear side | IP20 |
| Degree of protection (IP), front side | IP43 |
| Emergency function monitoring system | None |
| Type of wiring | Suitable for through wiring |
| Number of poles | 5 |
| Conductor cross section (mm²) | 2.5 mm² |
| Connectable conductor cross section (min) (mm²) | 0.75 mm² |
| Connectable conductor cross section (max) (mm²) | 2.5 mm² |
| Connection type | Screwless terminal |
| Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24 | No |
| Max. number of luminaires per miniature circuit breaker B16 | 80 |
| Max. number of luminaires per miniature circuit breaker C16 | 136 |
| Fit for workplace acc. EN 12464-1 | No |
| Luminaire may be covered with thermally insulating material | No |

| Structure | |
|---|---|
| Adjustability | Not adjustable |
| Lamp type | LED not exchangeable |
| Light source included | Yes |
| Suitable for number of lamps | 1 |
| Lamp holder | Other |
| Housing material | Aluminium |
| Surface protection | Powder coating |
| Housing colour | White |
| Cover material | Glass opal |
| Surface brushed | No |
| Control gear included | Yes |
| Exchangeable control gear | Yes |
| Reflector | High-gloss |
| Reflector colour | Silver |
| Energy efficiency class of light source according to EU regulation 2019/2015 | D |
| Containing product according to 2019/2020/EU | Yes |
| Emergency power supply system | None |
| Emergency power supply integrated | No |
| Filament test according to IEC 60695-2-11 | 650 °C - 30 s |

| Dimming and control | |
|---|---|
| With movement sensor | No |
| With presence indicator | No |
| With light sensor | No |
| Dimmable | No |
| Dimming 0-10 V | No |
| Dimming 1-10 V | No |
| Dimming DALI-2 | No |
| Dimming DALI | No |
| Dimming DMX | No |
| Dimming DSI | No |
| Dimming potentiometer (integrated) | 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 RF | No |
| Dimming Sine Wave Reduction | No |
| Dimming Touch and Dim | No |
| Dimming Zigbee | No |
| Dimming with push-button | No |
| No dimming function | Yes |
| Constant luminous flux control | No |
| IFTTT support available | No |
| Compatible with Apple HomeKit | No |
| Bluetooth operated | No |
| Compatible with Google Assistant | No |
| Compatible with Casambi | No |
| Compatible with Amazon Alexa | No |

| Electrotechnical data | |
|---|---|
| Voltage type | AC |
| Nominal voltage (min) (V) | 220 V |
| Nominal voltage (max) (V) | 240 V |
| Nominal current (min) (mA) | 250 mA |
| Nominal current (max) (mA) | 250 mA |
| Type of control gear | LED operating device current-controlled |
| Total harmonic distortion (THD) (%) | 10 % |
| Total harmonic distortion | 10 THD |
| Protection class according to IEC 61140 | II |
| Suitable for lamp power (min) (W) | 10 W |
| Suitable for lamp power (max) (W) | 10 W |
| Maximum system power (W) | 10 W |
| Luminaire efficacy (min) (lm/W) | 100 lm/W |
| Luminaire efficacy (max) (lm/W) | 100 lm/W |
| Power factor | 0.9 |
| Luminaire efficacy (lm/W) | 100 lm/W |

| Photometric data | |
|---|---|
| Light distributor | Reflector |
| Light sharing | Symmetric |
| Beam angle | Wide beam 40-80° |
| Light outlet | Direct |
| Colour of light (alphanumeric) | White |
| Colour temperature (min) (K) | 4000 K |
| Colour temperature (max) (K) | 4000 K |
| Colour temperature switchable | No |
| Colour rendering index (CRI/Ra) | 80-89 |
| Luminous flux (min) (lm) | 1000 lm |
| Luminous flux (max) (lm) | 1000 lm |
| Effective luminous flux (lm) | 1000 lm |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 1000 lm |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 1000 lm |
| Lumen setting adjustable | No |
| Flickering value Pst LM | 5 |
| Beam angle adjustable | No |
| Stroboscope effect value SVM | 1 |
| Photobiological safety according to EN 62471 | RG0 |
| Colour consistency (McAdam ellipse) | SDCM3 |

| Lifetime and capacity | |
|---|---|
| Rated life time L70/B50 at 25 °C (h) | 100000 h |
| Rated life time L80/B50 at 25 °C | 80000 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 100,000 hr at 25 °C ambient (tq) | 70 % |
| 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) (%) | 10 % |
| Failure rate at median useful life of 100,000 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 | |
|---|---|
| Length (mm) | 190 mm |
| Width (mm) | 190 mm |
| Height/depth (mm) | 78 mm |
| Outer diameter (mm) | 190 mm |
| Built-in length (mm) | 178 mm |
| Built-in width (mm) | 178 mm |
| Built-in height/depth (mm) | 200 mm |
| Recess diameter (min) (mm) | 178 mm |
| Recess diameter (max) (mm) | 190 mm |