# Compact XL

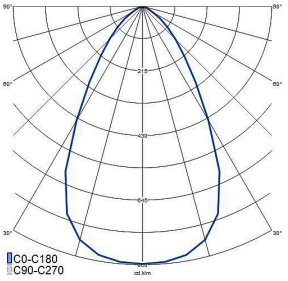
## 170 IP54 24W 3CCT DA2 WH WH

Downlight



Compact XL is a versatile and high-quality downlight family that provides evenly distributed light. The range is designed for public spaces such as lobbies and corridors, as well as particularly for offices and educational facilities. The luminaire is also well suited for renovation projects. The family includes luminaires in several sizes as well as a PIR version. The luminaires are designed to minimise glare, with a UGR value below 19. Multiple options are available for output and colour temperature. The luminaires are highly energy-efficient, offer a long lifetime, and deliver excellent lm/W performance. The accessory range is particularly extensive, enabling flexible lighting solutions tailored to project requirements. The trim is available in three standard colours and can also be customised project-specifically according to the RAL Classic colour chart. The reflector is available in four different colours. Accessories also include adapter frames for adapting the luminaires to larger recessed cut-outs, as well as frames for surface installation.

Compact XL Downlight 18W-24W 3000/3500/4000K 2700-3350lm Medium beam 20-40°; Dimming DALI-2; Push-button dim; IP54; IK03; SC II; L80B50 100000h; CRI>80; SDCM3; Suitable for loop-in wiring; 5x2.5mm²; Housing aluminium; Colour white; Cover transparent plastic; C16 maks. 35




Stocked: No

| 170 IP54 24W 3CCT DA2 WH WH | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| | 100209 | 0.49 | Compact XL |

# 170 IP54 24W 3CCT DA2 WH 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) | IP54 |
| Degree of protection (IP), rear side | IP20 |
| Degree of protection (IP), front side | IP54 |
| Impact strength | IK03 |
| 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) | 1.5 mm² |
| Connectable conductor cross section (max) (mm²) | 2.5 mm² |
| Connection type | Crimping |
| Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24 | Yes |
| Max. number of luminaires per miniature circuit breaker B16 | 21 |
| Max. number of luminaires per miniature circuit breaker C16 | 35 |
| Fit for workplace acc. EN 12464-1 | Yes |
| 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 | Plastic, transparent |
| Surface brushed | No |
| Control gear included | Yes |
| Exchangeable control gear | Yes |
| Reflector | Matt |
| Reflector colour | White |
| 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 | Yes |
| Dimming 0-10 V | No |
| Dimming 1-10 V | No |
| Dimming DALI-2 | Yes |
| Dimming DALI | Yes |
| 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 | Yes |
| Dimming RF | No |
| Dimming Sine Wave Reduction | No |
| Dimming Touch and Dim | No |
| Dimming Zigbee | No |
| Dimming with push-button | Yes |
| No dimming function | No |
| 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) | 450 mA |
| Nominal current (max) (mA) | 600 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) | 18 W |
| Suitable for lamp power (max) (W) | 24 W |
| Maximum system power (W) | 24 W |
| Luminaire efficacy (min) (lm/W) | 140 lm/W |
| Luminaire efficacy (max) (lm/W) | 140 lm/W |
| Power factor | 0.9 |
| Luminaire efficacy (lm/W) | 140 lm/W |

| Photometric data | |
|---|---|
| Light distributor | Reflector |
| Light sharing | Symmetric |
| Beam angle | Medium beam 20-40° |
| Light outlet | Direct |
| Colour of light (alphanumeric) | White |
| Colour temperature (min) (K) | 3000 K |
| Colour temperature (max) (K) | 4000 K |
| Colour temperature switchable | Discrete positions |
| Colour rendering index (CRI/Ra) | 80-89 |
| Luminous flux (min) (lm) | 2700 lm |
| Luminous flux (max) (lm) | 3350 lm |
| Effective luminous flux (lm) | 3350 lm |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 2700 lm |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 3350 lm |
| Lumen setting adjustable | Positions |
| Flickering value Pst LM | 1 |
| Beam angle adjustable | No |
| Stroboscope effect value SVM | 0.4 |
| Photobiological safety according to EN 62471 | RG0 |
| Colour consistency (McAdam ellipse) | SDCM3 |
| Unified Glare Rating (UGR) | 19 |

| Lifetime and capacity | |
|---|---|
| Rated life time L70/B50 at 25 °C (h) | 100000 h |
| Rated life time L80/B50 at 25 °C | 100000 h |
| Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 95 % |
| Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%) | 90 % |
| Lumen maintenance at median useful life of 100,000 hr 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 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) | 55 mm |
| Outer diameter (mm) | 190 mm |
| Built-in length (mm) | 53 mm |
| Built-in width (mm) | 170 mm |
| Built-in height/depth (mm) | 170 mm |
| Installation height (min) (mm) | 2000 mm |
| Installation height (max) (mm) | 5000 mm |
| Recess diameter (min) (mm) | 160 mm |
| Recess diameter (max) (mm) | 170 mm |