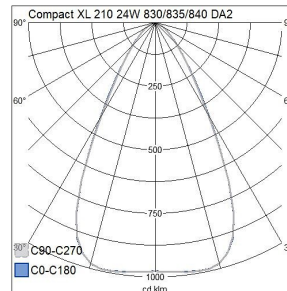




Compact XL

210 IP54 24W 3CCT DA2 WH

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. Adapter frames are also available as accessories, allowing the luminaires to be fitted into larger cut-out openings.



Compact XL Downlight 18W-24W 3000/3500/4000K
 2650-3250lm Beam angle Medium beam 20-40°; Dim DALI-2; Dim with push-button; IP54; IK03; Protection cl. II; L70B50 100000h; CRI>80; SDCM3; Suitable for through wiring; 5x2.5mm²; Housing al; Colour wh; Cover Plastic, transparent; C16 max. 35

| 210 IP54 24W 3CCT DA2 WH | | | |
|--------------------------|-------------|-----|----------------|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| A1EMB3-DALI | A1EMB3-DALI | 0.6 | Compact XL |

| 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 th-rough wiring |
| Number of poles | 5 |
| Conductor cross section (mm ²) | 2.5 |
| Connectable conductor cross section (min) (mm ²) | 1.5 |
| Connectable conductor cross section (max) (mm ²) | 2.5 |
| 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 |
| Quantity of luminaires for MCB C16: | 35 |
| Quantity of luminaires for MCB C10: | 22 |
| Quantity of luminaires for MCB B16: | 21 |
| Quantity of luminaires for MCB B10: | 13 |
| Structure | |
| Adjustability | Not adjustable |
| Lamp type | LED not exchan-geable |
| 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, transpa-rent |
| 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 | 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 |

| 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 |
| Colour temperature (max) (K) | 4000 |
| Colour temperature switchable | Discrete posi-tions |
| Colour rendering index (CRI/Ra) | 80-89 |
| Luminous flux (min) (lm) | 2650 |
| Luminous flux (max) (lm) | 3250 |
| Effective luminous flux (lm) | 3250 |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 2650 |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 3250 |
| 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 |
| Rated life time L80/B50 at 25 °C | 75000 |
| 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 |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C) | 25 |

| Measurements | |
|--------------------------------|------|
| Length (mm) | 228 |
| Width (mm) | 228 |
| Height/depth (mm) | 61 |
| Outer diameter (mm) | 228 |
| Built-in length (mm) | 59 |
| Built-in width (mm) | 210 |
| Built-in height/depth (mm) | 210 |
| Installation height (min) (mm) | 2000 |
| Installation height (max) (mm) | 5000 |
| Recess diameter (min) (mm) | 200 |
| Recess diameter (max) (mm) | 210 |

| Electrotechnical data | |
|---|---|
| Voltage type | AC |
| Nominal voltage (min) (V) | 220 |
| Nominal voltage (max) (V) | 240 |
| Nominal current (min) (mA) | 450 |
| Nominal current (max) (mA) | 600 |
| Type of control gear | LED operating device current-controlled |
| Total harmonic distortion (THD) (%) | 10 |
| Total harmonic distortion | 10 |
| Protection class according to IEC 61140 | II |
| Suitable for lamp power (min) (W) | 18 |
| Suitable for lamp power (max) (W) | 24 |
| Maximum system power (W) | 24 |
| Luminaire efficacy (min) (lm/W) | 150 |
| Luminaire efficacy (max) (lm/W) | 150 |
| Power factor | 0.9 |
| Luminaire efficacy (lm/W) | 150 |