

## Cio Multi

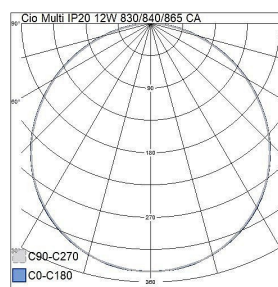
IP20 12W 830/840/865 CA WH

Downlight

Cio Multi is a low-profile, lightweight panel luminaire with a changeable colour temperature, suitable for both surface and semi-recessed mounting. The colour temperature is selected from the three options available prior to installation. Cio Multi is suitable for dry spaces in residential buildings and public spaces, and it is an excellent solution for renovation projects. The luminaire also features a handy adjustable spring clip, which makes it suitable for installation into mounting hole with a diameter ranging from 55 mm to 250 mm, depending on the size of the product. The PIR model included in the range is particularly suitable for hallways and porches. The luminaires are dimmable (excluding the PIR model). Available in three housing sizes. A wide range of additional accessories are available for the luminaire. The colour of the luminaire can be changed with a decorative ring. The raising frame allows an installation with a surface cable.

Cio Multi Downlight 12W 3000K/4000K/6500K 1000lm Beam angle Extreme wide beam >80°; Casambi; IP20; IK03; Protection cl. II; L70B50 50000h; LED not exchangeable; Lamp included; CRI>80; Ending; 2x0.75mm²; Housing Plastic; Colour wh; Cover Plastic, opal; C16 max. 61

Stocked: No



| IP20 12W 830/840/865 CA WH |           |      |                |
|----------------------------|-----------|------|----------------|
| PRODUCT CODE               | CODE      | KG   | PRODUCT FAMILY |
|                            | A1CIOB-CA | 0.55 | Cio Multi      |

## IP20 12W 830/840/865 CA WH

EC001744 Downlight / spot luminaire / floodlight

| Mounting                                                                         |                      | Structure                                                                    |                      |
|----------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------|----------------------|
| Suitable for surface mounting                                                    | Yes                  | Adjustability                                                                | Not adjustable       |
| Suitable for recessed mounting                                                   | Yes                  | Lamp type                                                                    | LED not exchangeable |
| Suitable for wall mounting                                                       | No                   | Light source included                                                        | Yes                  |
| Suitable for suspended mounting                                                  | No                   | Suitable for number of lamps                                                 | 1                    |
| Suitable for ceiling mounting                                                    | Yes                  | Lamp holder                                                                  | Other                |
| Suitable for traverse mounting                                                   | No                   | Housing material                                                             | Plastic              |
| Suitable for pedestal/floor mounting                                             | No                   | Surface protection                                                           | Plastic-coated       |
| Suitable for light-track mounting                                                | No                   | Housing colour                                                               | White                |
| Suitable for clamp-mounting                                                      | No                   | Cover material                                                               | Plastic, opal        |
| Suitable for low voltage cable system                                            | No                   | Surface brushed                                                              | No                   |
| Degree of protection (IP)                                                        | IP20                 | Control gear included                                                        | Yes                  |
| Degree of protection (IP), rear side                                             | IP20                 | Exchangeable control gear                                                    | Yes                  |
| Degree of protection (IP), front side                                            | IP20                 | Reflector                                                                    | None                 |
| Impact strength                                                                  | IK03                 | Energy efficiency class of light source according to EU regulation 2019/2015 | F                    |
| Emergency function monitoring system                                             | None                 | Containing product according to 2019/2020/EU                                 | Yes                  |
| Type of wiring                                                                   | Ending               | Emergency power supply system                                                | None                 |
| Number of poles                                                                  | 2                    | Emergency power supply integrated                                            | No                   |
| Conductor cross section (mm <sup>2</sup> )                                       | 0.75 mm <sup>2</sup> | Filament test according to IEC 60695-2-11                                    | 650 °C - 30 s        |
| Connectable conductor cross section (min) (mm <sup>2</sup> )                     | 1.5 mm <sup>2</sup>  |                                                                              |                      |
| Connectable conductor cross section (max) (mm <sup>2</sup> )                     | 2.5 mm <sup>2</sup>  |                                                                              |                      |
| 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                      | 92                   |                                                                              |                      |
| Max. number of luminaires per miniature circuit breaker C16                      | 61                   |                                                                              |                      |
| Fit for workplace acc. EN 12464-1                                                | No                   |                                                                              |                      |
| Luminaire may be covered with thermally insulating material                      | No                   |                                                                              |                      |

| 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                            | 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                      | Yes |
| 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  |
| Constant luminous flux control            | No  |
| IFTTT support available                   | No  |
| Compatible with Apple HomeKit             | No  |
| Bluetooth operated                        | Yes |
| Compatible with Google Assistant          | No  |
| Compatible with Casambi                   | Yes |
| 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)              | 33 mA                                                |
| Nominal current (max) (mA)              | 40 mA                                                |
| Type of control gear                    | LED<br>operating<br>device<br>current-<br>controlled |
| Total harmonic distortion (THD) (%)     | 20 %                                                 |
| Total harmonic distortion               | 20 THD                                               |
| Protection class according to IEC 61140 | II                                                   |
| Suitable for lamp power (min) (W)       | 12 W                                                 |
| Suitable for lamp power (max) (W)       | 12 W                                                 |
| Maximum system power (W)                | 12 W                                                 |
| Luminaire efficacy (min) (lm/W)         | 83 lm/W                                              |
| Luminaire efficacy (max) (lm/W)         | 83 lm/W                                              |
| Power factor                            | 0.9                                                  |
| Luminaire efficacy (lm/W)               | 83 lm/W                                              |

| Photometric data                                          |                              |
|-----------------------------------------------------------|------------------------------|
| Light distributor                                         | Diffuser<br>lens/optic/panel |
| Light sharing                                             | Symmetric                    |
| Beam angle                                                | Extreme wide<br>beam >80°    |
| Light outlet                                              | Direct                       |
| Colour of light (alphanumeric)                            | White                        |
| Colour temperature (min) (K)                              | 3000 K                       |
| Colour temperature (max) (K)                              | 6500 K                       |
| Colour temperature switchable                             | Discrete<br>positions        |
| 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                                   | 1                            |
| Beam angle adjustable                                     | No                           |
| Stroboscope effect value SVM                              | 0.4                          |
| Photobiological safety according to EN 62471              | RG0                          |
| Colour consistency (McAdam ellipse)                       | SDCM5                        |
| Unified Glare Rating (UGR)                                | 22                           |

| Lifetime and capacity                                                           |         |
|---------------------------------------------------------------------------------|---------|
| Rated life time L70/B50 at 25 °C (h)                                            | 50000 h |
| Rated life time L80/B50 at 25 °C                                                | 35000 h |
| Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%) | 80 %    |
| Lumen maintenance at median useful life of 50,000 hrs 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 %    |
| 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)                    | 217 mm  |
| Width (mm)                     | 217 mm  |
| Height/depth (mm)              | 15 mm   |
| Outer diameter (mm)            | 217 mm  |
| Built-in length (mm)           | 175 mm  |
| Built-in length (min) (mm)     | 55 mm   |
| Built-in length (max) (mm)     | 175 mm  |
| Built-in width (mm)            | 175 mm  |
| Built-in width (min) (mm)      | 55 mm   |
| Built-in width (max) (mm)      | 175 mm  |
| Installation height (min) (mm) | 2000 mm |
| Installation height (max) (mm) | 5000 mm |
| Recess diameter (min) (mm)     | 55 mm   |
| Recess diameter (max) (mm)     | 175 mm  |