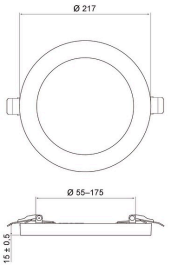
Cio Multi

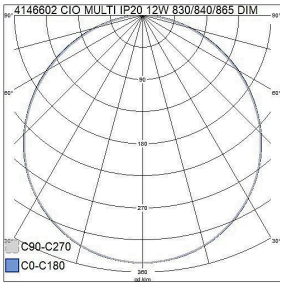
IP20 12W 830/840/865 DIM WH



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°; Dim phase cut-on; IP20; IK03; Protection cl. II; L70B50 50000h; LED not exchangeable; CRI>80; Ending; 2x0.75mm²; Housing Plastic; Colour wh; Cover Plastic, opal; C16 max. 61

Stocked: Yes

IP20 12W 830/840/865 DIM WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146602	4146602	0.55	Cio Multi

IP20 12W 830/840/865 DIM WH

EC001744 Downlight / spot luminaire / floodlight

Mounting	
Suitable for surface mounting	Yes
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)	IP20
Degree of protection (IP), rear side	IP20
Degree of protection (IP), front side	IP20
Impact strength	IK03
Emergency function monitoring system	None
Type of wiring	Ending
Number of poles	2
Conductor cross section (mm²)	0.75 mm²
Connectable conductor cross section (min) (mm²)	1.5 mm²
Connectable conductor cross section (max) (mm²)	2.5 mm²
Connection type	Free conductor end
Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24	No
Max. number of luminaires per miniature circuit breaker B16	40
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

Structure	
Adjustability	Not adjustable
Lamp type	LED not exchangeable
Light source included	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Plastic
Surface protection	Plastic-coated
Housing colour	White
Cover material	Plastic, opal
Surface brushed	No
Control gear included	Yes
Exchangeable control gear	Yes
Reflector	None
Energy efficiency class of light source according to EU regulation 2019/2015	F
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	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	Yes
Dimming leading edge	Yes
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	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)	33 mA
Nominal current (max) (mA)	40 mA
Type of control gear	LED operating device current-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 lens/optic/panel
Light sharing	Symmetric
Beam angle	Extreme wide 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 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