

Cio

IP20 12W/830 DIM PCO WH

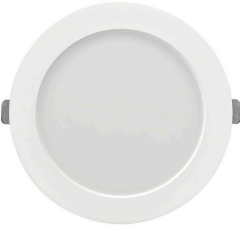
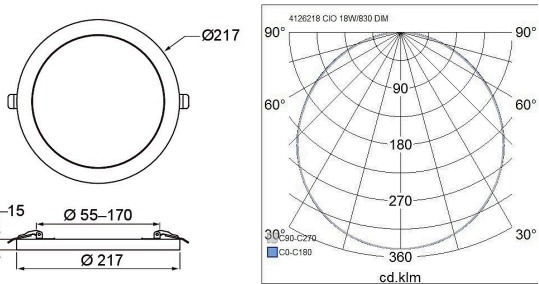
Downlight

Cio is a low-profile, lightweight panel luminaire designed for dry spaces in residential buildings and public spaces. It is suitable for both surface and semi-recessed mounting. 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 slots with a diameter ranging from 55 mm to 240 mm depending on the size of the product. The luminaire is dimmable. The range includes luminaires in three sizes.

Cio Downlight 12W 3000K 1000lm Beam angle Extreme wide beam >80°; Dim phase cut-on; IP20; IK03; Protection cl. II; L70B50 50000h; LED not exchangeable; CRI>80; SDCM5; Ending; 2x0.75mm²; Housing Plastic; Colour wh; Cover Plastic, opal; C16 max. 61

Stocked: Yes

IP20 12W/830 DIM PCO WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4126218	4126218	0.37	Cio



IP20 12W/830 DIM PCO 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 ²)	0.75 mm ²	Filament test according to IEC 60695-2-11	650 °C - 30 s
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		

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)	80 mA
Nominal current (max) (mA)	90 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)	80 lm/W
Luminaire efficacy (max) (lm/W)	80 lm/W
Power factor	0.9
Luminaire efficacy (lm/W)	80 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)	3000 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	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