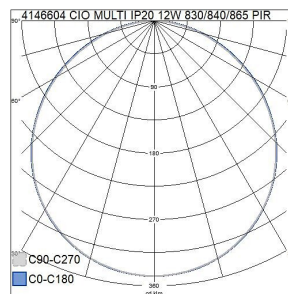
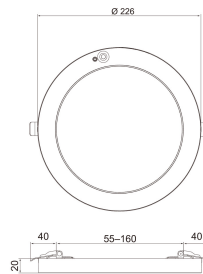




## IP20 12W 830/840/865 PIR WH

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.

Cio Multi Downlight 12W 3000K/4000K/6500K 1000lm  
 Beam angle Extreme wide beam >80°; No dim; IP20;  
 IK03; Protection cl. II; L70B50 50000h; LED not  
 exchangeable; CRI>80; Ending; 2x0.75mm<sup>2</sup>; Housing  
 Plastic; Colour wh; Cover Plastic, opal; Movement  
 sensor; C16 max. 61



IP20 12W 830/840/865 PIR WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146604	A1CIOD	0.58	Cio Multi

Mounting	
Suitable for surface mounting	Yes
Suitable for built-in 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
Impact strength	IK03
Type of wiring	Ending
Number of poles	2
Conductor cross section (mm <sup>2</sup> )	0.75
Connectable conductor cross section (min) (mm <sup>2</sup> )	1.5
Connectable conductor cross section (max) (mm <sup>2</sup> )	2.5
Connection type	Other
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 monitor workplace	No
Luminaire may be covered with thermally insulating material	No
Quantity of luminaires for MCB C16:	61
Quantity of luminaires for MCB B16:	92

Structure	
Adjustability	Not adjustable
Lamp type	LED not exchangeable
With lamp	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Plastic
Colour housing	White
Material cover	Plastic, opal
Surface brushed	No
Control gear included	Yes
Exchangeable control gear	Yes
Reflector	White
Energy efficiency class of light source according to EU regulation 2019/2015	Not required
Emergency power supply integrated	No
Filament test according to IEC 60695-2-11	650 °C - 30 s

Dimming and control	
With movement sensor	Yes
With light sensor	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 phase cut-off	No
Dimming phase cut-on	No
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	Yes
Constant luminous flux control	No
IFTTT support available	No
Compatible with Apple HomeKit	No
Bluetooth operated	No
Compatible with Google Assistant	No
Compatible with Amazon Alexa	No

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
Colour temperature (max) (K)	6500
Colour rendering index CRI	80-89
Luminous flux (min) (lm)	1000
Luminous flux (max) (lm)	1000
Effective luminous flux (lm)	1000
Colour temperature switchable	Discrete positions
Luminous flux adjustable	No
Beam angle adjustable	No
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	50000
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
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25

Measurements	
Width (mm)	226
Height/depth (mm)	20
Length (mm)	227
Outer diameter (mm)	226
Recess diameter (min) (mm)	55
Recess diameter (max) (mm)	175

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Type of control gear	LED operating device current-controlled
Protection class	II
Suitable for lamp power (min) (W)	12
Suitable for lamp power (max) (W)	12
Maximum system power (W)	12
Power factor	0.9
Luminaire efficacy (lm/W)	83