



CoreLine Wall-mounted

WL140V LED20S/830 PSR MDU WH

CoreLine Wall-mounted, 23 W, D390 mm, 2100 lm, 3000 K, Sensor-based dim, MDU3, IP65

CoreLine wall-mounted solutions deliver on the CoreLine promise of innovative, easy-to install and high quality luminaires. These circular-shaped, surface-mounted luminaires are suitable for both ceiling and wall installations and are easy to apply in circulation areas such as corridors, hallways and staircases. The modern, unobtrusive design, combined with a homogeneous light distribution, ensures this luminaire will blend into the architecture of most buildings. And thanks to the push-in connectors, installation of the CoreLine WL140V is fast and straightforward. This family includes Interact ready luminaires with integrated wireless communications, ready for use with Interact gateways, sensors and software.

Product data

General Information		Light Technical	
Light source replaceable	Yes	Luminous Flux	2,100 lm
Number of gear units	1 unit	Saturated Red (R9)	<50
Driver included	Yes	Correlated Color Temperature (Nom)	3000 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	90 lm/W
Value ladder	Performance	Color rendering index (CRI)	>80
Embedded control	Programmable movement and light sensor with wireless grouping	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
CE mark	Yes	Stroboscopic effect visibility measure (SVM)	1.6
Warranty period	5 years		
Flammability mark	-		
ENEC mark	ENEC mark		
Glow-wire test	Temperature 850 °C, duration 30 s		
EU RoHS compliant	Yes		

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Beam angle of light source	120 degree(s)
Light source color	830 warm white
Optic type	Symmetrical
Luminaire light beam spread	120° x 120°
Unified glare rating CEN	24

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	10 A
Inrush time	0.066 ms
Power Consumption	23 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	32

Temperature

Ambient temperature range	-20 to +40 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	Sensor-based dim
Constant light output	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Opal
Overall height	85 mm
Overall diameter	390 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
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Mech. impact protection code	IK10 [20 J vandal-resistant]
Sustainability rating	-
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
Photobiological risk specification	0.2 m

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.4338,0.4030) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	-
35000 h	
Lumen maintenance at median useful life*	80
50000 h	
Lumen maintenance at median useful life*	-
75000 h	
Lumen maintenance at median useful life*	-
100000 h	

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	No

Product Data

Order product name	WL140V LED20S/830 PSR MDU WH
Full product name	WL140V LED20S/830 PSR MDU WH
Full product code	871951453084399
Order code	911401851782
Material Nr. (12NC)	911401851782
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514530843
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514530904

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Dimensional drawing

