CoreLine Wall-mounted

WL131V LED20S/830 PSED WH

CoreLine Wall-mounted, 23 W, D350 mm, 2000 lm, 3000 K, DALI, IP65, EL-DC

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

Lamp family code	LED20 [LED Module 2000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.

Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,000 lm

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Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90 lm/W
Color rendering index (CRI)	80
Beam angle of light source	120 degree(s)
Light source color	830 warm white
Optic type	Opal prismatic reflector
Optical cover type	Opal bowl with painted cover
Luminaire light beam spread	120°

Operating and Electrical

Input Voltage	220–240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	NA W
Average CLO power consumption	NA W
End CLO power consumption	NA W
Inrush current	22 A
Inrush time	290 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	20

Temperature

Ambient temperature range	–20 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Polyamide
Reflector material	–
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	–
Housing Color	White
Optical cover finish	Opal

Overall length	350 mm
Overall width	350 mm
Overall height	95 mm
Overall diameter	350 mm
Dimensions (Height x Width x Depth)	95 x 350 x 350 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.44, 0.41) SDCM<3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.7 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes

Product Data

Order product name	WL131V LED20S/830 PSED WH
Full product name	WL131V LED20S/830 PSED WH
Full product code	871869938794599
Order code	912401483198
Material Nr. (12NC)	912401483198
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699387945
Numerator – Packs per outer box	6
EAN/UPC – Case	8718699388126

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Dimensional drawing

www.lighting.philips.com