CoreLine Wall-mounted

WL140V LED20S/840 PSU MDU WH

– Power supply unit (ON/OFF) – Symmetrical – 120° x 120°

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 source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
Value ladder	Performance
Embedded control	Programmable movement and light sensor

Light Technical

Luminous Flux	1,950 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	120 degree(s)
Light source color	840 neutral 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
Input Frequency	50 or 60 Hz
Initial CLO power consumption	– W

data subject to change

Average CLO power consumption	– W
Power Consumption	19 W
Inrush current	14 A
Inrush time	0.007 ms
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

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	–
Constant light output	No

Mechanical and Housing

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

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Sustainability rating	–
Protection class IEC	Safety class II
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	–
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years

Photobiological risk	Photobiological risk group 0 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.3818,0.3797) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 35000 h	–
Lumen maintenance at median useful life* 50000 h	80
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	Not applicable
Suitable for random switching	No

Product Data

Full product code	871951452878999
Order product name	WL140V LED20S/840 PSU MDU WH
Order code	911401848082
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	6
Material number (12NC)	911401848082
Full product name	WL140V LED20S/840 PSU MDU WH
EAN/UPC – Case	8719514528949

CoreLine Wall-mounted

Dimensional drawing

Ø 390

85

240

31

65

222

www.lighting.philips.com

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