CoreLine Downlight gen5

DN142B 20S/840 PSU-E UGR19 IP54

CoreLine Downlight gen5, 19.2 W, D200 mm, 2300 lm, 4000 K, UGR19, Facetted reflector, IP20/54

Philips CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for one-to-one conventional luminaire replacements, with an attractive TCO that helps your customers make the switch to LED. These recessed indoor downlights offer uniform light distribution for use in general lighting and office applications (UGR 19). They also deliver instant energy savings and have a much longer lifetime, creating a solution that's environmentally friendly and real value-for-money. CoreLine DN142B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An Interact ready option with integrated wireless communications is also available in this family, which can be used with Interact gateways, sensors and software.

Warnings and Safety

• Do not apply excessive force to the cable & DC connector, make sure the connector clip is locked before the power is on.

Product data

General Information		Warranty period	5 years
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	1 unit		
Driver included	Yes	ENEC mark	–
Lighting Technology	LED	Glow-wire test	Temperature 650 °C, duration 30 s
Value ladder	Performance	EU RoHS compliant	Yes
CE mark	CE mark		

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Light Technical

Luminous Flux	2,300 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	120 lm/W
Color rendering index (CRI)	≥80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	-
Luminaire light beam spread	60°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W W
Average CLO power consumption	- W W
Inrush current	10 A
Inrush time	0.002 ms
Power Consumption	19.2 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	2 cables 0.15m with connectors 2-pole
Number of products on MCB of 16 A type B	100

Temperature

Ambient temperature range	-20 to +40 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	-

Reflector Finish	Facetted reflector
Overall length	0 mm
Overall width	0 mm
Overall height	107 mm
Overall diameter	216 mm
Dimensions (Height x Width x Depth)	107 x 0 x 0 mm

Approval and Application

Ingress protection code	IP20/54 [Finger-protected; dust accumulation-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.380,0.377) SDCM≦5
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* 50000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data

Order product name	DN142B 20S/840 PSU-E UGR19 IP54
Full product name	DN142B 20S/840 PSU-E UGR19 IP54
Full product code	872016950290199
Order code	911401552532
Material Nr. (12NC)	911401552532
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169502901
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169503229

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Dimensional drawing

Ø 200-205	1-20	100

Ø 216

105