



CoreLine Downlight gen5

DN142B 10S/840 PSU-E WR IP54

CoreLine Downlight gen5, 9.8 W, D150 mm, 1200 lm, 4000 K, White 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	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
Value ladder	Performance
CE mark	CE mark

Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Datasheet, 2024, March 25 data subject to change

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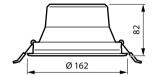
Light Technical	
	1200 lm
Luminous Flux	1,200 lm
Saturated Red (R9)	<50 4000 K
Correlated Color Temperature (Nom)	
Luminous Efficacy (rated) (Nom)	122 lm/W
Color rendering index (CRI)	≥80
Flickering value (PstLM) - Flickering value as	0.5
per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	- 0.40
Luminaire light beam spread	84°
Unified glare rating CEN	25
Operating and Electrical	
Operating and Electrical	220, 240 V
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	14 A
Inrush time	0.001 ms
Power Consumption	9.8 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	120
Tomporature	
Temperature	20 hr : 40 %5
Ambient temperature range	-20 to +40 °C
Controls and Dimension	
Controls and Dimming	No
Dimmable Driver / newer unit / transformer	No Rower supply unit (On /Off)
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	- No
Constant light output	No
Mochanical and Housing	
Mechanical and Housing	Deliverabenete
Housing Material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-

Housing Color	White
Optical cover finish	-
Reflector Finish	White reflector
Overall height	82 mm
Overall diameter	162 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	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	Yes
Due don't Dete	
Product Data	DN142D 40C (0.40 DCLL E WD IDE 4
Order product name	DN142B 10S/840 PSU-E WR IP54
Full product name	DN142B 10S/840 PSU-E WR IP54
Full product code	872016950300799
Order code	911401551532
Material Nr. (12NC)	911401551532
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169503007
Numerator - Packs per outer box EAN/UPC - Case	6 8720169503328

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Dimensional drawing







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