



CoreLine Downlight gen5

DN142B 10S/840 PSD-E WR

CoreLine Downlight gen5, 10.7 W, D150 mm, 1200 lm, 4000 K, DALI, White reflector, IP20

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	
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Sustainability rating	-
Service tag	Yes	Light Technical	
Value ladder	Performance	Luminous Flux	1,200 lm
Serviceability class	Class C, luminaire without serviceable parts, not serviceable	Saturated Red (R9)	<50
		Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	White reflector perforated without louver
Luminaire light beam spread	84°
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	14 A
Inrush time	0.001 ms
Power Consumption	10.7 W
Power Factor (Fraction)	0.95
Connection	-
Cable	2 cables 0.15m with connectors 2-pole
Number of products on MCB of 16 A type B	120
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	32 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface external
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™

Mechanical and Housing

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
Ingress protection code	IP20 [Finger-protected]

Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.490 kg

Emergency Operation

Central Emergency	No
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Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Stroboscopic effect visibility measure (SVM)	1
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.380,0.377) SDCM±5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

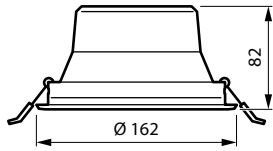
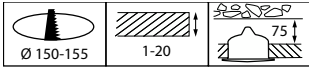
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Product Data

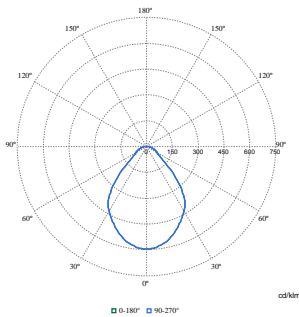
Order product name	DN142B 10S/840 PSD-E WR
Full product name	DN142B 10S/840 PSD-E WR
Full product code	872016910891200
Order code	910505103590
Material Nr. (12NC)	910505103590
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169108912
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169108912
Product family code	DN142B [CoreLine Downlight gen5]

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Dimensional drawing



Photometric data



Polar Normal (separate) - DN142BI - 910505103590

