



CoreLine Downlight gen5

DN142B 20S/840 PSD-E WR

CoreLine Downlight gen5, 20.5 W, D200 mm, 2350 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	
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Performance
Warranty period	5 years

Sustainability rating	-	
Light Technical		
Luminous Flux	2,350 lm	
Saturated Red (R9)	<50	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	116 lm/W	

Datasheet, 2025, March 19 data subject to change

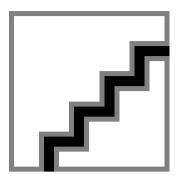
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Color rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	White reflector perforated without louver
Luminaire light beam spread	84°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	10 A
Inrush time	0.002 ms
Power Consumption	20.5 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	100
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	35 %
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	105 mm
Overall diameter	216 mm
Ingress protection code	IP20 [Finger-protected]

Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.560 kg
Emergency Operation	
Central Emergency	No
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 ℃
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 Complian	t)
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L80
median useful life* 50000 h	
Product Data	
Order product name	DN142B 20S/840 PSD-E WR
Full product name	DN142B 20S/840 PSD-E WR
Full product code	872016910899800
Order code	910505103598
Material Nr. (12NC)	910505103598
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169108998
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169108998
Product family code	DN142B [CoreLine Downlight gen5]
	[14.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.

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Photometric data



Polar Normal (separate) - DN142BI - 910505103598



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