



CoreLine Downlight gen5

DN142B 20S/840 PSD-E UGR19

CoreLine Downlight gen5, 20 W, 2250 lumen, 4000 K, CRI≥80, DALI, Frosted

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		Flammability mark
Number of gear units	1 unit	_
Driver included	Yes	ENEC mark
Product family code	DN142B [CoreLine Downlight gen5]	Glow-wire test
Value ladder	Performance	EU RoHS compliant
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

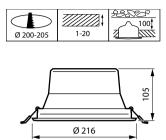
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Light Technical	
Luminous Flux	2,250 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	113 lm/W
Color rendering index (CRI)	≥80
Stroboscopic effect value (SVM)	1
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	Facetted reflector
Luminaire light beam spread	60°
Unified glare rating CEN	19
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 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
Temperature	
Ambient temperature range	-20 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
	external
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Polycarbonate
Housing Material Reflector material	Polycarbonate Polycarbonate aluminum coated

Fixation material	-
Housing Color	White RAL9010
Optical cover/lens finish	Frosted
Overall height	107 mm
Overall diameter	216 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
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)	(0.000.0.000.00.00.00
Initial chromaticity	(0.380,0.377) SDCM≦5
Luminous flux tolerance	-10% / +10%
Power consumption tolerance	+/-10%
Control gear failure rate at median useful life 50000 h	e 5%
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Annelise tien Constitue	
Application Conditions	25 %
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Yes
Product Data	
Full product code	872016910901800
Order product name	DN142B 20S/840 PSD-E UGR19
Order code	910505103601
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910505103601
Full product name	DN142B 20S/840 PSD-E UGR19
EAN/UPC - Case	8720169109018
EAN/UPC - Product/Case	8720169109018
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Dimensional drawing





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