



CoreLine SlimDownlight

DN145B LED20S/830_840 PSU WH

CoreLine SlimDownlight, All-in, 17.5 W, D205 mm, 2000 lm, 2100 lm, 3000 K, 4000 K, Textured, IP20/44

CoreLine SlimDownlight is a range of ultra-thin recessed luminaires designed to replace downlight luminaires based on CFL-ni/CFL-I lamp technology. The product's attractive TCO makes it easy for customers to make the switch to LED. CoreLine SlimDownlight delivers a natural 'surface of light' effect for use in general lighting applications. It also offers instant energy savings and a much longer lifetime, making it a real value-for-money and environmentally friendly solution. Installation is easy, as the luminaire fits the same size of cut-out and has an extremely small build-in depth.

Product data

General Information	
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Performance
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	5 years
Sustainability rating	-
Light Technical	
Luminous Flux	2,000 2,100 lm
Correlated Color Temperature (Nom)	3000 4000 K

Luminous Efficacy (rated) (Nom)	120 114 lm/W
Color rendering index (CRI)	>80
Light source color	830 warm white, 840 neutral white
Optic type	Beam angle 90° Symmetrical
Luminaire light beam spread	90°
Unified glare rating CEN	28
All-in Type	All-in, Multi Color Temperature
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Average CLO power consumption	- W
Inrush current	5.7 A

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Inrush time	0.3 ms
Power Consumption	17.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	65
Suitable for random switching	No
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

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

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	Polycarbonate
Optic material	Polymethyl methacrylate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall height	25 mm
Overall diameter	218 mm
Ingress protection code	IP20(IP44 front)
Mech. impact protection code	IK03 [0.3 J]
Net Weight (Piece)	0.420 kg

Emergency Operation

Central Emergency	No
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Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
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Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.43,0.40) SDCM<3; (0.38,0.38) SDCM<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

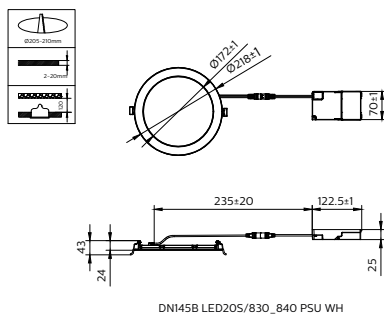
Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70

Product Data

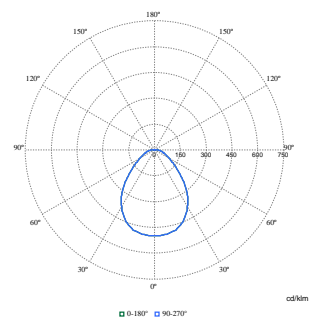
Order product name	DN145B LED20S/830_840 PSU WH
Full product name	DN145B LED20S/830_840 PSU WH
Full product code	872016950042699
Order code	50042699
Material Nr. (12NC)	911401816285
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169500426
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169500471

Dimensional drawing



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Photometric data



Polar Normal (separate) - null - 911401816285

