

CoreLine SlimDownlight

DN145B LED10S/840 PSU II WH

CoreLine SlimDownlight, 11 W, D155 mm, 1100 lm, 4000 K, CRI>80, Opal, IP20/44

CoreLine slimdownlight delivers on the CoreLine promise of innovative, easy-to-use and high-quality indoor LED downlights. The CoreLine slim downlight is an innovative range of recessed and surface-mounted luminaires. It is designed to provide uniform lighting across multiple application areas. With instant energy-savings and a longer lifetime, this is an environmentally friendly and cost-saving solution. Its MultiColorTemp feature offers a choice of two colour temperatures in a single luminaire. This makes it easy to select the right product, gives you the flexibility respond to customer preferences on site, and means fewer product codes in stock. Simple and easy installation means that our slim downlight fits the same size cut-out, while the minimal built-in depth of 34 mm makes this product an ideal space-saving solution, especially for projects with limited fitting space. InterAct Ready option with integrated wireless communications in this family is available, to be used with InterAct gateways, sensors and software.

Product data

General Information	
Lamp family code	LED10S [LED Module, system flux 1000 lm]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Service Tag	Yes
Lighting Technology	LED
Value ladder	Performance

Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	5 years
Sustainability rating	-

Light Technical	
Luminous Flux	1,100 lm
Saturated Red (R9)	<50

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Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	100 lm/W
Colour rendering index (CRI)	>80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Beam angle 90°
Luminaire light beam spread	84°
Unified Glare Rating (CEN)	28

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	10.1 A
Inrush time	0.0022 ms
Power Consumption	11 W
Power Factor (Fraction)	0.9
Connection	Connection unit 2-pole
Cable	-
Number of products on MCB (16 A type B)	47
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polystyrene
Fixation material	-
Housing Colour	White
Optical cover/lens finish	Opal
Overall height	28 mm
Overall diameter	166 mm
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Optical cover type	Opal
Net Weight (Piece)	0.280 kg

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	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Flickering value (PstLM)	1
Stroboscopic effect	1.6
Ambient temperature range	0 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38212,0.38031) SDCM<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

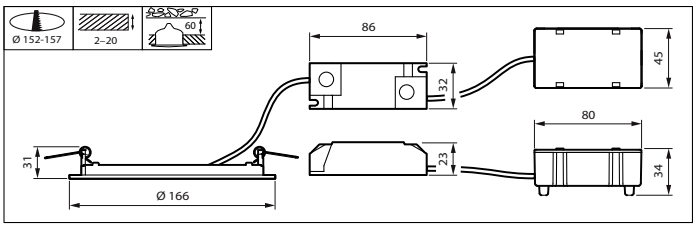
Driver failure rate at 5,000 hours	0.0015 %
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70

Product Data

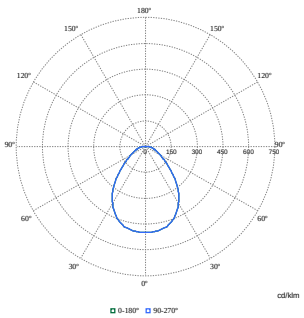
Order product name	DN145B LED10S/840 PSU II WH
Full product name	DN145B LED10S/840 PSU II WH
Full EOC	871016333948199
Order code	33948199
Material no. (12 NC)	911401806080
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8710163339481
Numerator – packs per outer box	16
EAN/UPC - Case	8710163339801

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Dimensional drawing



Photometric data



Polar Normal (separate) - null - 911401806080

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