



CoreLine SlimDownlight

DN145B LED10S/830 PSU II WH

CoreLine SlimDownlight, 11 W, D155 mm, 1100 lm, 3000 K, Opal, 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		Saturated Red (R9)	
Lamp family code	LED10S [LED Module, system flux 1000 lm]		<50
Light source replaceable	No	Correlated Color Temperature (Nom)	3000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	100 lm/W
Driver included	Yes	Color rendering index (CRI)	>80
Service tag	Yes	Number of light sources	1
Lighting Technology	LED	Beam angle of light source	120 degree(s)
Mounting	Recessed	Light source color	830 warm white
Value ladder	Performance	Optic type	Beam angle 90°
Warranty period	5 years	Luminaire light beam spread	84°
		Unified glare rating CEN	28
Light Technical		Operating and Electrical	
Luminous Flux	1,100 lm	Input Voltage	220 to 240 V

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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 of 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	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polystyrene
Fixation material	-
Housing Color	White
Optical cover 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	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen

maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.

Flickering value (PstLM) - Flickering value 1 as per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	0 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43657,0.40454) SDCM<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.0015 %
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

Sustainability Data

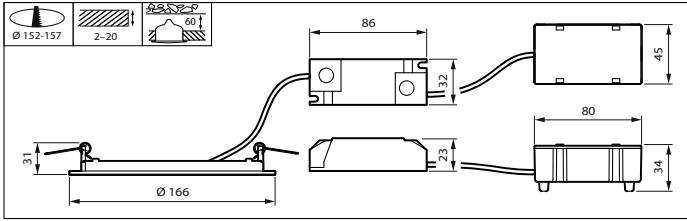
Sustainability rating	Unclassified
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Embedded carbon (A1-A3)	4.07 kg CO ₂ e
Product non-virgin material ratio	8.19 %
Recyclable content ratio of the finished product	52.1 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

Product Data

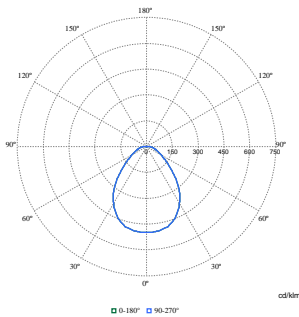
Order product name	DN145B LED10S/830 PSU II WH
Full product name	DN145B LED10S/830 PSU II WH
Full product code	871016333947499
Order code	33947499
Material Nr. (12NC)	911401805980
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163339474
Numerator - Packs per outer box	16
EAN/UPC - Case	8710163339795

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Dimensional drawing



Photometric data



Polar Normal (separate) - null - 911401805980

