



CoreLine SlimDownlight

DN145B LED6S/840 PSU II WH

CoreLine SlimDownlight, 6.5 W, D68 mm, 650 lm, 4000 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		Sustainability rating	
Lamp family code	LED6S [LED Module, system flux 600 lm]	Sustainability rating	Unclassified
Light source replaceable	No	Light Technical	
Number of gear units	1 unit	Luminous Flux	650 lm
Driver included	Yes	Saturated Red (R9)	<50
Service tag	Yes	Correlated Color Temperature (Nom)	4000 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	100 lm/W
Mounting	Recessed	Color rendering index (CRI)	>80
Value ladder	Performance	Number of light sources	1
Serviceability class	Class C, luminaire without serviceable parts, not serviceable	Beam angle of light source	120 degree(s)
Warranty period	5 years	Light source color	840 neutral white
		Optic type	Beam angle 90°
		Luminaire light beam spread	84°

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Unified glare rating CEN	32
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Sustainability Data

Embedded carbon (A1-A3)	2.7 kg CO ₂ e
Recyclable content ratio of the finished product	50.9 %
Product non-virgin material ratio	10.6 %
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)

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	17.4 A
Inrush time	0.0016 ms
Power Consumption	6.5 W
Power Factor (Fraction)	0.9
Connection	Connection unit 2-pole
Cable	-
Number of products on MCB of 16 A type B	27
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	85 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)	0.160 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	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	0 to +35 °C

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

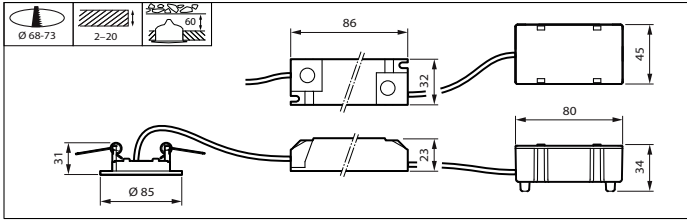
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70

Product Data

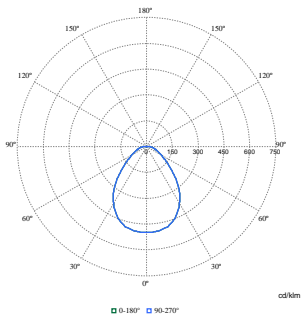
Order product name	DN145B LED6S/840 PSU II WH
Full product name	DN145B LED6S/840 PSU II WH
Full product code	871016333946799
Order code	33946799
Material Nr. (12NC)	911401805880
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163339467
Numerator - Packs per outer box	10
EAN/UPC - Case	8710163339788

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Dimensional drawing



Photometric data



Polar Normal (separate) - null - 911401805880

