

CoreLine SlimDownlight

DN145B LED10S/840 PSD-E II WH

Coreline Slimdownlight G3_LSC - LED Module, system flux 1000 lm - 840 neutral white - Power supply unit with DALI interface - Safety class II - White RAL9016

CoreLine SlimDownlight delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires.;The CoreLine SlimDownlight is an innovative range of recessed and surface-mounted luminaires. The high-quality CoreLine SlimDownlight is designed to replace existing downlight luminaires with CFL-ni/CFL-l lamp technology and provides even, natural lighting across multiple environments.;With instant energy savings and a longer lifetime, this is an environmentally friendly and cost-saving solution. Simple and easy installation means that our recessed luminaire 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 luminaires with integrated wireless communications, fully compatible with Interact gateways, sensors and software, are also available.

Product data

General Information	
Number of light sources	1 [1 pc]
Lamp family code	LED10S [LED Module, system flux 1000 lm]
Light source colour	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	90 [Beam angle 90°]

Optical cover/lens type	O [Opal]
Luminaire light beam spread	84°
Control interface	DALI
Connection	Connection unit 2-pole
Cable	-
Protection class IEC	Safety class II
Standard RAL colour	White RAL9016
Glow-wire test	Temperature 650 °C, duration 30 s

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Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
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.
Constant light output	No
Number of products on MCB (16 A type B)	24
EU RoHS compliant	Yes
Product family code	DN145B [Coreline Slimdownlight G3_LSC]
Unified glare rating CEN	28

Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 or 60 Hz
Inrush current	20.4 A
Inrush time	0.0019 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Aluminium die–cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polystyrene
Fixation material	-
Optical cover/lens finish	Opal
Overall height	28 mm
Overall diameter	166 mm
Colour	White RAL9016
Dimensions (height x width x depth)	28 x NaN x NaN mm (1.1 x NaN x NaN in)

Approval and Application

Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	1100 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	85 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.38212,0.38031) SDCM<3
Initial input power	13 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	0.1 %
Lumen maintenance at median useful life* 50,000 h	L70

Application Conditions

Ambient temperature range	0 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes

Product Data

Full product code	871869996101599
Order product name	DN145B LED10S/840 PSD-E II WH
EAN/UPC – product	8718699961015
Order code	96101599
SAP numerator – quantity per pack	1
Numerator – packs per outer box	16
SAP material	910500465902
Net Weight (Piece)	0.450 kg



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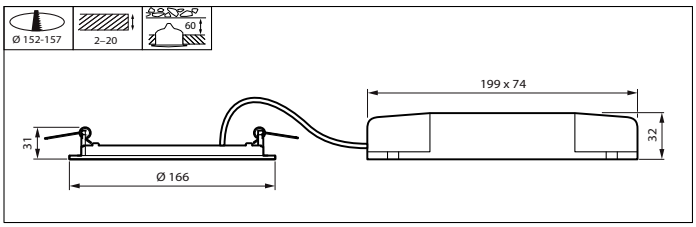
Dimensional drawing



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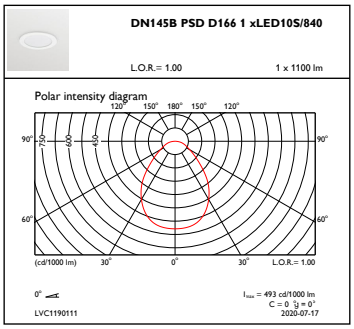
Photometric data



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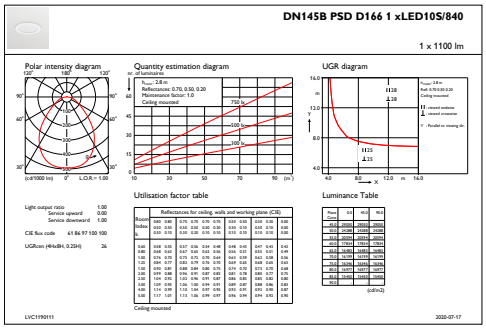

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