



# CoreLine SlimDownlight

## DN145B LED20S/840 PSD-E II WH

CoreLine SlimDownlight, 22.5 W, D205 mm, 2100 lm, 4000 K, DALI, 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		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.
Lamp family code	LED20S [LED Module, system flux 2000 lm]	
Light source replaceable	No	
Number of gear units	Unit	
Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018':	
Product family code	DN145B [Coreline Slimdownlight G3_LSC]	
Lighting Technology	LED	
Value ladder	Performance	

# CoreLine SlimDownlight

CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

## Light Technical

Luminous Flux	2,100 lm
Saturated Red (R9)	<50
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	93 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Beam angle 90°
Optical cover type	Opal
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	20.4 A
Inrush time	0.0019 ms
Power Consumption	22.5 W
Power Factor (Fraction)	0.9
Connection	Connection unit 2-pole
Cable	-
Number of products on MCB of 16 A type B	24

## Temperature

Ambient temperature range	0 to +35 °C
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## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface external
Control interface	DALI
Constant light output	No

## Mechanical and Housing

Housing material	Aluminium die cast
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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	215 mm

## Approval and Application

Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38212,0.38031) SDCM<3
Power consumption tolerance	+/-10%

## 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	0.1 %
Lumen maintenance at median useful life* 50,000 h	L70

## Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

## Product Data

Order product name	DN145B LED20S/840 PSD-E II WH
Full product name	DN145B LED20S/840 PSD-E II WH
Full EOC	871869996103999
Order code	96103999
Material no. (12 NC)	910500465904
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699961039
Numerator – packs per outer box	10
EAN/UPC – Case	8718699961091

## CoreLine SlimDownlight

### Dimensional drawing

