



CoreLine SlimDownlight

DN135B LED20S/840 PSD-E II WH

CoreLine SlimDownlight, 28 W, D205 mm, 2000 lm, 4000 K, DALI, Frosted, IP44

CoreLine slimdownlight delivers on the CoreLine promise of innovative, easy to use and high-quality indoor LED downlights. CoreLine slimdownlight 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 color 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 on stock. Simple and easy installation means our slim downlight fits the same size cut-out, while the minimal built-in depth of 34mm 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	LED20S [LED Module, system flux 2000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
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.
Service tag	Yes
Product family code	DN135B [CoreLine SlimDownlight]
Lighting Technology	LED
Glow-wire test	Temperature 650 °C, duration 5 s

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Flammability mark	-
CE mark	Yes
ENEC mark	-
Warranty period	5 years
EU RoHS compliant	Yes
Value ladder	Performance

Light Technical

Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	71 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Light source color	840 neutral white
Optic type	-
Optical cover type	Opal
Luminaire light beam spread	135°
Unified glare rating CEN	28

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.195 ms
Power Consumption	28 W
Power Factor (Fraction)	0.9
Connection	Push-in connector with 2 poles and pull relief
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
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
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Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	White
Optical cover finish	Frosted
Overall height	32 mm
Overall diameter	215 mm

Approval and Application

Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	5 %
Control gear failure rate at median useful life 50000 h	0.1 %
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	DN135B LED20S/840 PSD-E II WH
Full product name	DN135B LED20S/840 PSD-E II WH
Full product code	871869996493199
Order code	910500465818
Material Nr. (12NC)	910500465818
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699964931
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699960032

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Dimensional drawing

