



CoreLine SlimDownlight

DN135B LED20S/840 IA1 WH

LED Module, system flux 2000 lm, 840 neutral white, Power supply unit (On/Off), Safety class I, White

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
Connectivity		Interact Ready
Lighting Technology		LED
Glow-wire test		Temperature 650 °C, duration 5 s

CoreLine SlimDownlight

Flammability mark	-
CE mark	Yes
ENEC mark	-
Warranty period	5 years
EU RoHS compliant	Yes
Value ladder	Performance
Embedded control	Interact SNS210 sensor

Light Technical

Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	70 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	120°
Unified glare rating CEN	28

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	12 A
Inrush time	0.25 ms
Power Consumption	27 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	-20 to +35 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Wireless
Constant light output	Programmable

Mechanical and Housing

Housing Material	Aluminum
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Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	White
Optical cover finish	Frosted
Overall height	23 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 I

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	1 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* L70 50000 h	

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10% (depends on dimmer, ELV)
Suitable for random switching	No

Product Data

Order product name	DN135B LED20S/840 IA1 WH
Full product name	DN135B LED20S/840 IA1 WH
Full product code	871869938924699
Order code	912401483216
Material Nr. (12NC)	912401483216
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699389246
Numerator - Packs per outer box	12
EAN/UPC - Case	8718699389253

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Dimensional drawing

