

CoreLine SlimDownlight

DN135B LED20S/830 IA1 WH

LED Module, system flux 2000 lm - 830 warm white - Power supply unit - Safety class II - White

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. InterAct Ready luminaire with integrated wireless communications to be used with InterAct gateways, sensors and software.

Product data

General Information	
Number of light sources	1 [1 pc]
Lamp family code	LED20S [LED Module, system flux 2000 lm]
Beam angle of light source	- °
Light source colour	830 warm white
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes
Optic type	No [-]
Optical cover/lens type	O [Opal]
Luminaire light beam spread	135°
Emergency lighting	No [-]

Connection	Push-in connector with 2 poles and pull relief
Cable	-
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	-
Warranty period	5 years
Constant light output	No
Number of products on MCB	24
RoHS mark	RoHS mark

Operating and Electrical	
Input voltage	220 to 240 V

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Input frequency	50 to 60 Hz
Inrush current	12 A
Inrush time	250 ms
Power factor (min.)	0.9
Power factor (nom.)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Aluminum
Optical cover/lens finish	Frosted
Overall height	20 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]

Initial Performance (IEC Compliant)

Initial luminous flux	2000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	71 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	>80
Initial chromaticity	(0.42, 0.40) SDCM <5
Initial input power	27 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	1 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

Application Conditions

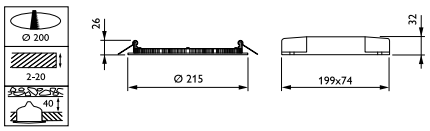
Ambient temperature range	0 to +35 °C
Average ambient temperature	25 °C
Maximum dimming level	10% (depends on dimmer, ELV)
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871869938922299
Order product name	DN135B LED20S/830 IA1 WH
EAN/UPC – product	8718699389222
Order code	38922299
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	912401483215
Net weight (piece)	0.669 kg

650°C IP44 IK02

Dimensional drawing



CoreLine SmartDownlight DN135B/DN135C



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2018, May 22 - data subject to change