



CoreLine SlimDownlight

DN145B LED20S/840 WIA-E WH

CoreLine SlimDownlight, 22.5 W, D205 mm, 2100 lm, 4000 K, CRI>80, Wireless, Interact Ready, Opal, IP20/44

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		Sustainability rating	
Light source replaceable	No		-
Number of gear units	1 unit	Light Technical	
Driver included	Yes	Luminous Flux	2,100 lm
Service tag	Yes	Saturated Red (R9)	<50
Lighting Technology		Correlated Color Temperature (Nom)	4000 K
Value ladder	Performance	Luminous Efficacy (rated) (Nom)	93 lm/W
Warranty period	5 years	Color rendering index (CRI)	>80

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Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 90°
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	4.5 A
Inrush time	0.0056 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
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Wireless driver Interact System ready external
Control interface	Wireless
Constant light output	No
Maximum dim level	Not applicable
Connectivity	Interact Ready

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polystyrene
Fixation material	-
Housing Color	White
Optical cover finish	Opal
Overall length	217 mm
Overall height	28 mm
Overall diameter	217 mm
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]

Net Weight (Piece)	0.465 kg
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Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	0 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38212,0.38031) SDCM<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	10 %
Lumen maintenance at median useful life* 50000 h	L70

Product Data

Order product name	DN145B LED20S/840 WIA-E WH
Full product name	DN145B LED20S/840 WIA-E WH
Full product code	871869997644699
Order code	910505101198
Material Nr. (12NC)	910505101198
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699976446
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699976453
Product family code	DN145B [Coreline Slimdownlight G3_LSC]

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Dimensional drawing

