



CoreLine SlimDownlight

DN145C LED20S/840 PSU II WH

CoreLine SlimDownlight, Surface-mounted, 21 W, D205 mm, 2100 lm, 4000 K, Opal, IP44

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	
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':
	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.
Lighting Technology	LED
Value ladder	Performance

Datasheet, 2023, April 15 data subject to change

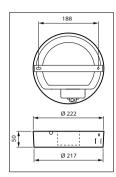
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CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,100 lm
Saturated Red (R9)	<50
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	100 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	1.6
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
o e le ce e	
Operating and Electrical	220 +- 240 V
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current Inrush time	28.9 A
	0.0016 ms
Power Consumption Power Factor (Fraction)	0.9
Power Factor (Fraction) Connection	Connection unit 2-pole
Cable	-
Number of products on MCB of 16 A type B	16
	·
Temperature	
Ambient temperature range	0 to +35 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium die cast
Housing material	Attantifium the Cast

Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polystyrene
Fixation material	-
Housing Colour	White
Optical cover/lens finish	Opal
Overall height	50 mm
Overall diameter	219 mm
Approval and Application	
Ingress protection code	IP44 [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 Complia	nt)
Driver failure rate at 5,000 hours	0.0015 %
Control gear failure rate at median useful	5 %
life 50,000 h	
Lumen maintenance at median useful life $\!\!\!\!^*$	L70
50,000 h	
Application Conditions	
Application Conditions Performance ambient temperature Tq	25 °C
	25 °C Not applicable
Performance ambient temperature Tq	
Performance ambient temperature Tq Maximum dim level	Not applicable
Performance ambient temperature Tq Maximum dim level	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	Not applicable Yes
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	Not applicable Yes DN145C LED20S/840 PSU II WH
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Dimensional drawing





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