



# CoreLine SlimDownlight

## DN145C LED20S/840 PSU II WH

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

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.

### Product data

General Information		
Lamp family code	LED20S [LED Module, system flux 2000 lm]	life (B50) value also represents the B10 value.
Light source replaceable	No	Service tag
Number of gear units	1 unit	Yes
Driver included	Yes	Lighting Technology
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	LED
		Value ladder
		Performance
		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

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Light Technical	
Luminous Flux	2,100 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 90°
Optical cover type	Opal
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	28.9 A
Inrush time	0.0016 ms
Power Consumption	21 W
Power Factor (Fraction)	0.9
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	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polystyrene

Fixation material	-
Housing Color	White
Optical cover 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 Compliant)	
Driver failure rate at 5000 h	0.0015 %
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data	
Order product name	DN145C LED20S/840 PSU II WH
Full product name	DN145C LED20S/840 PSU II WH
Full product code	871016333954299
Order code	33954299
Material Nr. (12NC)	911401806680
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163339542
Numerator - Packs per outer box	10
EAN/UPC - Case	8710163339863

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## Dimensional drawing

