



# CoreLine SlimDownlight

## DN145B LED20S/840 PSU II WH

CoreLine SlimDownlight, 21 W, D205 mm, 2100 lm, 4000 K, Opal, IP20/44

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]
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
Lighting Technology	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

Datasheet, 2023, August 25 data subject to change

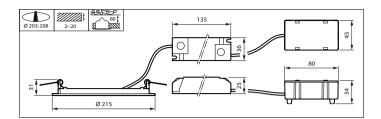
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Light Technical	
Luminous Flux	2,100 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value	1
as per EN 61000-3-3	
Stroboscopic 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	28 mm
Overall diameter	217 mm
Approval and Application	
Ingress protection code	IP20/44 [Finger-protected; wire-
	protected, splash-proof]
Mech. impact protection code	IKO2 [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 5000 h	0.0015 %
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful life*	L70
50000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	Yes
Product Data	
Order product name	DN145B LED20S/840 PSU II WH
Full product name	DN145B LED20S/840 PSU II WH
Full product code	871016333950499
Order code	33950499
Material Nr. (12NC)	911401806280
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163339504
Numerator - Packs per outer box	10
EAN/UPC - Case	8710163339825

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### Dimensional drawing





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