



# CoreLine SlimDownlight

## DN135B LED20S/840 PSD-E II WH

CoreLine SlimDownlight, 28 W, D205 mm, 2000 lm, 4000 K, DALI, Frosted, 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		Product family code	
Lamp family code	LED20S [LED Module, system flux 2000 lm]	Lighting Technology	LED
Light source replaceable	No	Value ladder	Performance
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
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.	Flammability mark	-
		ENEC mark	-
		Glow-wire test	Temperature 650 °C, duration 5 s
		EU RoHS compliant	Yes
		Light Technical	
Service tag	Yes	Luminous Flux	2,000 lm
		Correlated Color Temperature (Nom)	4000 K

## CoreLine SlimDownlight

Luminous Efficacy (rated) (Nom)	71 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Light source color	840 neutral white
Optic type	-
Optical cover type	Opal
Luminaire light beam spread	135°
Unified glare rating CEN	28

### Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.195 ms
Power Consumption	28 W
Power Factor (Fraction)	0.9
Connection	Push-in connector with 2 poles and pull relief
Cable	-
Number of products on MCB of 16 A type B	24

### Temperature

Ambient temperature range	0 to +35 °C
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### Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

### Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	White

Optical cover finish	Frosted
Overall height	32 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]
Protection class IEC	Safety class II

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%

### Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	5 %
Control gear failure rate at median useful life 50000 h	0.1 %
Lumen maintenance at median useful life* L70 50000 h	

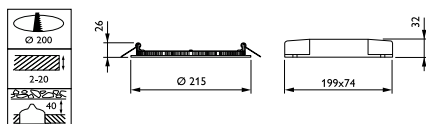
### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

### Product Data

Order product name	DN135B LED20S/840 PSD-E II WH
Full product name	DN135B LED20S/840 PSD-E II WH
Full product code	871869996493199
Order code	96493199
Material Nr. (12NC)	910500465818
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699964931
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699960032

## Dimensional drawing



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