



# CoreLine SlimDownlight

## DN135B LED20S/830 PSD-E II WH

CoreLine SlimDownlight, 28 W, D205 mm, 2000 lm, 3000 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]	Product family code	DN135B [CoreLine SlimDownlight]
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Performance
Driver included	Yes	CE mark	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.	Warranty period	5 years
Service tag	Yes	Flammability mark	-
		ENEC mark	-
		Glow-wire test	Temperature 650 °C, duration 5 s
		EU RoHS compliant	Yes
		Light Technical	
		Luminous Flux	2,000 lm
		Correlated Color Temperature (Nom)	3000 K

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Luminous Efficacy (rated) (Nom)	71 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Light source color	830 warm 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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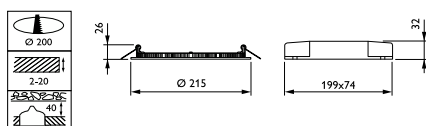
## Controls and Dimming

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

## Dimensional drawing



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	(0.42, 0.40) 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* 50000 h	L70

## Application Conditions

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

## Product Data

Order product name	DN135B LED20S/830 PSD-E II WH
Full product name	DN135B LED20S/830 PSD-E II WH
Full product code	871869996492499
Order code	96492499
Material Nr. (12NC)	910500465817
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699964924
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699960025

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