



# CoreLine SlimDownlight

### DN145B LED20S/840 PSU II WH

- LED20S | LED Module, system flux 2000 lm - 840 neutral white - Power supply unit (ON/OFF) - Safety class II

CoreLine SlimDownlight delivers on the CoreLine promise of innovative, easy to use and high-quality indoor LED downlights. CoreLine SlimDownlight is an innovative range of recessed and surface-mounted luminaires that 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. Our slim LED downlights fit the same size cut-out, making then simple and easy to install, while the minimal built-in depth of 34mm means they are an ideal space-saving solution, especially for projects with limited space for installation. An Interact ready option with integrated wireless communications is available in this family, which can 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	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
Light Technical	
Luminous Flux	2,100 lumen
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W

Datasheet, 2023, May 19 data subject to change

# **CoreLine SlimDownlight**

	>80
Color rendering index (CRI)	>80
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/lens 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
Input Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Power Consumption	21 W
Inrush current	28.9 A
Inrush time	0.0016 ms
	0.9
Power Factor (Fraction)	0.5
Power Factor (Fraction)  Connection	Connection unit 2-pole
Connection	Connection unit 2-pole
Connection Cable	Connection unit 2-pole
Connection Cable	Connection unit 2-pole
Connection  Cable  Number of products on MCB of 16 A ty	Connection unit 2-pole
Connection Cable Number of products on MCB of 16 A ty	Connection unit 2-pole - pe B 13
Connection Cable Number of products on MCB of 16 A ty	Connection unit 2-pole - pe B 13
Connection  Cable  Number of products on MCB of 16 A type  Temperature  Ambient temperature range	Connection unit 2-pole - pe B 13
Connection Cable Number of products on MCB of 16 A ty Temperature Ambient temperature range Controls and Dimming	Connection unit 2-pole  -  pe B 13  0 to +35 °C
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range Controls and Dimming Dimmable	Connection unit 2-pole  - pe B 13  0 to +35 °C
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer	Connection unit 2-pole  - pe B 13  0 to +35 °C
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF) -
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF) -
Connection  Cable  Number of products on MCB of 16 A type  Temperature  Ambient temperature range  Controls and Dimming  Dimmable  Driver/power unit/transformer  Control interface  Constant light output	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF) -
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF)  - No
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF)  - No
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF)  - No  Aluminum die cast -
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material Optic material	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF) - No  Aluminum die cast - Polymethyl methacrylate
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF) - No  Aluminum die cast - Polymethyl methacrylate
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material	Connection unit 2-pole  - pe B 13  0 to +35 °C  No Power supply unit (ON/OFF)  - No  Aluminum die cast  - Polymethyl methacrylate Polystyrene -
Connection Cable Number of products on MCB of 16 A type Temperature Ambient temperature range  Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output  Mechanical and Housing Housing Material Reflector material Optic material Optical cover/lens material Fixation material Housing Color	Connection unit 2-pole  - pe B 13  O to +35 °C  No Power supply unit (ON/OFF)  - No  Aluminum die cast  - Polymethyl methacrylate Polystyrene  - White

Approval and Application	
Ingress protection code	IP20/44 [Finger-protected; wire-protected
	splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes
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	ant)
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	
Application Conditions Performance ambient temperature Tq	25 ℃
	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  Full product code	Not applicable Yes  871016333950499
Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data  Full product code  Order product name	Not applicable  Yes  871016333950499  DN145B LED20S/840 PSU II WH
Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data  Full product code  Order product name  Order code	Not applicable Yes  871016333950499  DN145B LED20S/840 PSU II WH 911401806280
Performance ambient temperature Tq Maximum dim level Suitable for random switching  Product Data Full product code Order product name Order code Numerator - Quantity Per Pack	Not applicable Yes  871016333950499  DN145B LED20S/840 PSU II WH 911401806280 1
Performance ambient temperature Tq Maximum dim level Suitable for random switching  Product Data Full product code Order product name Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	Not applicable Yes  871016333950499  DN145B LED20S/840 PSU II WH 911401806280  1

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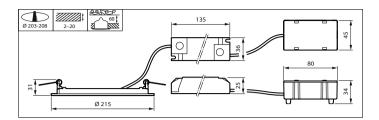


EAN/UPC - Case



## **CoreLine SlimDownlight**

#### Dimensional drawing





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