



CoreLine SlimDownlight

DN145C LED20S/830 PSU II WH

- LED20S | LED Module, system flux 2000 lm 830 warm 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)	3000 K

Datasheet, 2023, May 22 data subject to change

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Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	1.6
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	830 warm 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
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)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die cast
Housing Material Reflector material	- -
	Polymethyl methacrylate
Reflector material Optic material Optical cover/lens material	- -
Reflector material Optic material	Polymethyl methacrylate
Reflector material Optic material Optical cover/lens material	Polymethyl methacrylate
Reflector material Optic material Optical cover/lens material Fixation material	Polymethyl methacrylate Polystyrene
Reflector material Optic material Optical cover/lens material Fixation material Housing Color	Polymethyl methacrylate Polystyrene - White
Reflector material Optic material Optical cover/lens material Fixation material Housing Color Optical cover/lens finish	Polymethyl methacrylate Polystyrene - White Opal

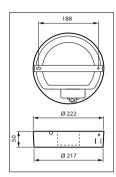
Approval and Application	
Ingress protection code	IP44 [Wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class II
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
Photobiological risk	Photobiological risk group 0 @200mm to
	EN62778
EU RoHS compliant	Yes
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43657,0.40454) 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	
Full product code	871016333953599
Order product name	DN145C LED20S/830 PSU II WH
Order code	911401806580
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	911401806580
Full product name	DN145C LED20S/830 PSU II WH
EAN/UPC - Case	8710163339856





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Dimensional drawing





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