



CoreLine SlimDownlight

DN145B LED20S/830 PSD-E II WH

CoreLine SlimDownlight, 22.5 W, D215 mm, 2100 lm, 3000 K, CRI>80, DALI, Opal, IP20/44

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. It 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. Its MultiColorTemp feature offers a choice of two color temperatures in a single luminaire. This makes it easy to select the right product, gives you the flexibility respond to customer preferences on site, and means fewer product codes on stock. Simple and easy installation means our slim downlight fits the same size cut-out, while the minimal built-in depth of 34mm makes this product an ideal space saving solution, especially for projects with limited fitting space. InterAct Ready option with integrated wireless communications in this family is available, to 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
Service tag	Yes
Lighting Technology	LED

Value ladder	Performance
Warranty period	5 years
Sustainability rating	-
Light Technical	
Luminous Flux	2,100 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K

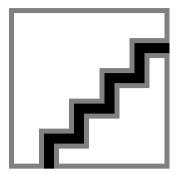
Datasheet, 2025, March 7 data subject to change

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		Assessed and Asselfantian	
Luminous Efficacy (rated) (Nom)	93 lm/W	Approval and Application	T
Color rendering index (CRI)	>80	Glow-wire test	Temperature 650 °C, duration 30 s
Number of light sources	1	Flammability mark	For mounting on normally flammable
Beam angle of light source	120 degree(s)	CE words	surfaces
Light source color	830 warm white	CE mark	Yes
Optic type	Beam angle 90°	ENEC mark	ENEC mark
Luminaire light beam spread	84°	Photobiological risk	Photobiological risk group 0 @200mm to
Unified glare rating CEN	28		EN62778
		EU RoHS compliant	Yes
Operating and Electrical		Performance ambient temperature Tq	25 °C
Input Voltage	220 to 240 V	Remarks	*-Per Lighting Europe guidance paper
Line Frequency	50 or 60 Hz		"Evaluating performance of LED based
Initial CLO power consumption	- W		luminaires - January 2018": statistically
Average CLO power consumption	- W		there is no relevant difference in lumen
Inrush current	20.4 A		maintenance between B50 and for
Inrush time	0.0019 ms		example B10. Therefore, the median usefu
Power Consumption	22.5 W		life (B50) value also represents the B10
Power Factor (Fraction)	0.9	Filebooks and the (Dett. NA) Filebooks and be	value.
Connection	Connection unit 2-pole	Flickering value (PstLM) - Flickering value	1
Cable		as per EN 61000-3-3	
Number of products on MCB of 16 A type B	24	Stroboscopic effect visibility measure (SVM)	<u>'</u>
Suitable for random switching	Yes	Ambient temperature range	0 to +35 °C
Protection class IEC	Safety class II	Initial Danfarrana (IEC Carreliant)	
Total harmonic distortion	20 %	Initial Performance (IEC Compliant)	
		Luminous flux tolerance	+/-10%
Controls and Dimming		Initial chromaticity	(0.43657,0.40454) SDCM<3
Dimmable	Yes	Power consumption tolerance	+/-10%
Driver/power unit/transformer	Power supply unit with DALI interface	Standard Deviation of Colour Matching	SDCM≤3
	external	(McAdam ellipse)	
Control interface	DALI		
Constant light output	No	Over Time Performance (IEC Complia	
DALI Standard	DALI-2 TM	Driver failure rate at 5000 h	0.0015 %
Maximum dim level	Not applicable	Control gear failure rate at median useful	5 %
		life 50000 h	
Mechanical and Housing		Lumen maintenance (EN-IEC 62722-2-1) at	L70
Housing Material	Aluminum die cast	median useful life* 50000 h	
Reflector material	-		
Optic material	Polymethyl methacrylate	Product Data	
Optical cover material	Polystyrene	Order product name	DN145B LED20S/830 PSD-E II WH
Fixation material	-	Full product name	DN145B LED20S/830 PSD-E II WH
Housing Color	White	Full product code	871869996102299
Optical cover finish	Opal	Order code	910500465903
Overall height	28 mm	Material Nr. (12NC)	910500465903
Overall diameter	215 mm	Numerator - Quantity Per Pack	1
Ingress protection code	IP20/44 [Finger-protected; wire-	EAN/UPC - Product/Case	8718699961022
	protected, splash-proof]	Numerator - Packs per outer box	10
		EAN/UPC - Case	8718699961084
Mech. impact protection code	IK02 [0.2 J standard]		
Mech. impact protection code Optical cover type	IK02 [0.2 J standard] Opal	Product family code	DN145B [Coreline Slimdownlight G3_LSC]

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Photometric data



Polar Normal (separate) - DN145BI - 910500465903



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