PHILIPS Lighting



CoreLine SlimDownlight

DN145B LED20S/840 PSU II WH

CoreLine SlimDownlight, 21 W, D205 mm, 2100 lm, 4000 K, 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
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.
vice tag	Yes
nting Technology	LED

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CoreLine SlimDownlight

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Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,100 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value	1
as per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM) 1.6	
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 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
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	28.9 A
Inrush time	0.0016 ms
Power Consumption	21 W
Power Factor (Fraction)	0.9
Connection	Connection unit 2-pole
Cable	-
Number of products on MCB of 16 A type B	16
Number of products of MCB of 10 A type B	10
Temperature	
	0 to +35 °C
Ambient temperature range	0 t0 ± 33 °C
Controls and Dimming	
	No
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die cast

Reflector material	-	
Optic material	Polymethyl methacrylate	
Optical cover material	Polystyrene	
Fixation material	-	
Housing Color	White	
Optical cover finish	Opal	
Overall height	28 mm	
Overall diameter	217 mm	
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	
Photobiological risk	Photobiological risk group 0 @200mm to	
	EN62778	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.38212,0.38031) SDCM<3	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compliant)		

Over Time Performance (IEC Compliant)		
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		

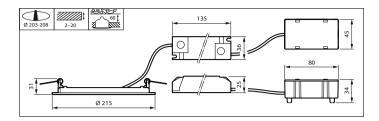
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	Yes

Product Data

Troduct Data	
Order product name	DN145B LED20S/840 PSU II WH
Full product name	DN145B LED20S/840 PSU II WH
Full product code	871016333950499
Order code	911401806280
Material Nr. (12NC)	911401806280
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163339504
Numerator - Packs per outer box	10
EAN/UPC - Case	8710163339825

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Dimensional drawing





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