PHILIPS Lighting



CoreLine Downlight

DN140B LED20S/830 PSU C PI6

CoreLine Downlight, 19 W, D200 mm, 2200 lm, 3000 K, Highgloss reflector, Frosted, IP20

CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for oneto-one conventional luminaire replacements, with an attractive TCO that helps customers to make the switch to LED. These recessed downlights create uniform light distribution for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally-friendly solution. CoreLine DN140B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. 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		Value ladder	Performance	
Light source replaceable	No	CE mark	Yes	
Number of gear units	1 unit	Warranty period	5 years	
Driver included	Yes	Flammability mark	For mounting on normally flammable	
Remarks	*-Per Lighting Europe guidance paper		surfaces	
	"Evaluating performance of LED based	ENEC mark	-	
	luminaires - January 2018": statistically	Glow-wire test	Temperature 850 °C, duration 30 s	
	there is no relevant difference in lumen	EU RoHS compliant	Yes	
	maintenance between B50 and for			
	example B10. Therefore, the median	Light Technical		
	useful life (B50) value also represents the	Luminous Flux	2,200 lm	
	B10 value.	Saturated Red (R9)	<50	
Service tag	Yes	Correlated Color Temperature (Nom)	3000 K	
Lighting Technology	LED			

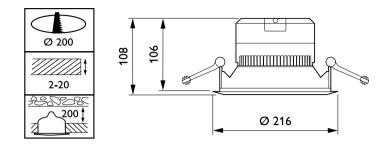
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Luminous Efficacy (rated) (Nom)	111 lm/W	
Color rendering index (CRI)	≥80	
Flickering value (PstLM) - Flickering value as	1	
per EN 61000-3-3		
Stroboscopic effect visibility measure (SVM)	0.4	
Beam angle of light source	120 degree(s)	
Light source color	830 warm white	
Optic type	-	
Luminaire light beam spread	60°	
Unified glare rating CEN	22	
Operating and Electrical		
Input Voltage	220-240 V	
Line Frequency	50 to 60 Hz	
Initial CLO power consumption	- W	
Average CLO power consumption	- W	
End CLO power consumption	- W	
Inrush current	2.2 A	
Inrush time	0.045 ms	
Power Consumption	19 W	
Power Factor (Fraction)	0.95	
Connection	Push-in connector 6-pole	
Cable	-	
Number of products on MCB of 16 A type B	24	
Temperature		
Ambient temperature range	-20 to +40 °C	
Controls and Dimming		
Dimmable	No	
Driver/power unit/transformer	Power supply unit (On/Off)	
Constant light output	No	
Mechanical and Housing		
Housing Material	Polycarbonate	
Reflector material	Polycarbonate aluminum coated	
Optic material	Polycarbonate	
Optical cover material	Polycarbonate	
Fixation material	Steel	
Housing Color	White	
Optical cover finish	Frosted	

Defle shew Fiwish		
Reflector Finish	High-gloss reflector	
Overall height	105 mm	
Overall diameter	216 mm	
Approval and Application		
Ingress protection code	IP20 [Finger-protected]	
Mech. impact protection code	IK02 [0.2 J standard]	
Sustainability rating	-	
Protection class IEC	Safety class I	
Photobiological risk	Photobiological risk group 1@200mm to	
	EN62778	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/ 10%	
	+/-10%	
Initial chromaticity	(0.432,0.404) SDCM≦5	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Complia	nt)	
Driver failure rate at 5000 h	1 %	
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		
Suitable for random switching	Not applicable	
Suitable for random Switching	Yes	
Product Data		
Order product name	DN140B LED20S/830 PSU C PI6	
Full product name	DN140B LED20S/830 PSU C PI6	
Full product code	871016332592700	
Order code	911401632205	
Material Nr. (12NC)	911401632205	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8710163325927	
Numerator - Packs per outer box	6	
EAN/UPC - Case	8710163334844	

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Dimensional drawing





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