PHILIPS

DN140B LED20S/830 PSU C IP54 PI6

911401633805



CoreLine Downlight, 19 W, D200 mm, 2000 lm, 3000 K, High-gloss reflector, Frosted, IP20/54

D200 mm, Polycarbonate, White, Signal white (RAL9003), Recessed, Power supply unit (On/Off), 2000 lm, 19 W, 105 lm/W, 3000 K, (0.432,0.404) SDCM≦5, High-gloss reflector, Frosted, Polycarbonate, IP20/54 | Finger-protected; dust accumulation-protected, splash-proof, IK02 | 0.2 J standard, Safety class I, Push-in connector 6-pole

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Sustainability rating	Unclassified
Service tag	Yes
Lighting Technology	LED
Mounting	Recessed
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	2,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	105 lm/W
Color rendering index (CRI)	>80
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
Suitable for random switching	Yes
Protection class IEC	Safety class I
Total harmonic distortion	30 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

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
Reflector Finish	High-gloss reflector
Overall height	105 mm
Overall diameter	216 mm
Ingress protection code	IP20/54 [Finger-protected; dust accumulation-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Mounting	Recessed
Net Weight (Piece)	0.660 kg

Approval and Application

Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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.

Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +40 °C

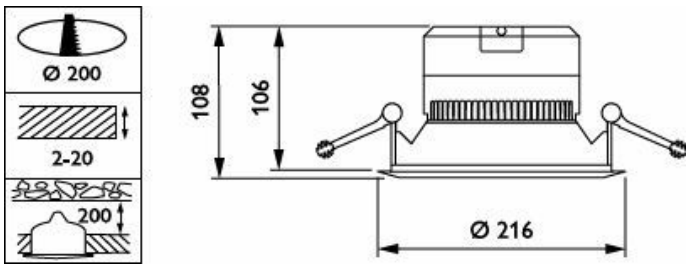
Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.432,0.404) SDCM≦5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Control gear failure rate at median useful life 50000 h	50 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70

Dimensional drawing



Sustainability Data

Repair class	Repair Class D, this product is not designed to be repaired.

Product Data

Order product name	DN140B LED20S/830 PSU C IP54 PI6
Full product name	DN140B LED20S/830 PSU C IP54 PI6
Full product code	871016332608500
Order code	32608500
Material Nr. (12NC)	911401633805
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163326085
Numerator - Packs per outer box	6
EAN/UPC - Case	8710163335001

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Coreline_Downlight_DN140B-MI.pdf	Download

Photometry and lighting design	Document Name	Download
ROLF File	IFDM2_DN140BPSUIP54D2161xLED20S830C.ROLF	Download
IES File	IFMT1_DN140BPSUIP54D2161xLED20S830C.IES	Download
LDT File	IFMT2_DN140BPSUIP54D2161xLED20S830C.LDT	Download
ULD File	IFDM1_DN140BPSUIP54D2161xLED20S830C.ULD	Download

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