PHILIPS

DN145B LED20S/830_840 PSD WH

911401894787



Multi ColorTemp

CoreLine SlimDownlight, All-in, 18 W, D205 mm, 2000 lm, 2100 lm, 3000 K, 4000 K, DALI, Textured, IP20/44, EL-ready

D205 mm, Aluminum die-cast, White, Signal white (RAL9003), Recessed, Power supply unit with DALI interface, All-in, Multi Color Temperature, 2000 lm, 2100 lm, 18 W, 117 lm/W, 111 lm/W, 3000 K, 4000 K, (0.43,0.40) SDCM<3; (0.38,0.38) SDCM<3, Beam angle 90°, Symmetrical, Textured, Polycarbonate, IP20(IP44 front), IK03 | 0.3 J, Safety class II, Push-in connector 8-pole, Self-contained emergency lighting is possible when used with a compatible battery kit accessory

General Information

Number of gear units	1 unit
Driver included	Yes
Sustainability rating	Unclassified
Service tag	Yes
Mounting	Recessed
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	117 lm/W
Color rendering index (CRI)	>80
Light source color	Multi Color Temperature
Optic type	Beam angle 90°
Luminaire light beam spread	90°
Unified glare rating CEN	28
All-in Type	All-in, Multi Color Temperature

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	16.5 A
Inrush time	0.177 ms
Power Consumption	18 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 8-pole
Cable	-
Number of products on MCB of 16 A type B	36
Suitable for random switching	Yes
Protection class IEC	Safety class II

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	Polycarbonate
Optic material	Polymethyl methacrylate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	218 mm
Overall height	30 mm
Overall diameter	218 mm
Nominal Ceiling cut-out diameter	205 mm
Ingress protection code	IP20(IP44 front)
Mech. impact protection code	IK03 [0.3 J]
Mounting	Recessed
Net Weight (Piece)	0.550 kg

Emergency Operation

Central Emergency	No
Emergency lighting	Self-contained emergency lighting is possible when used with a compatible battery kit accessory

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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% / +10%
Initial chromaticity	(0.43,0.40) SDCM<3; (0.38,0.38) SDCM<3
Power consumption tolerance	+/-10%

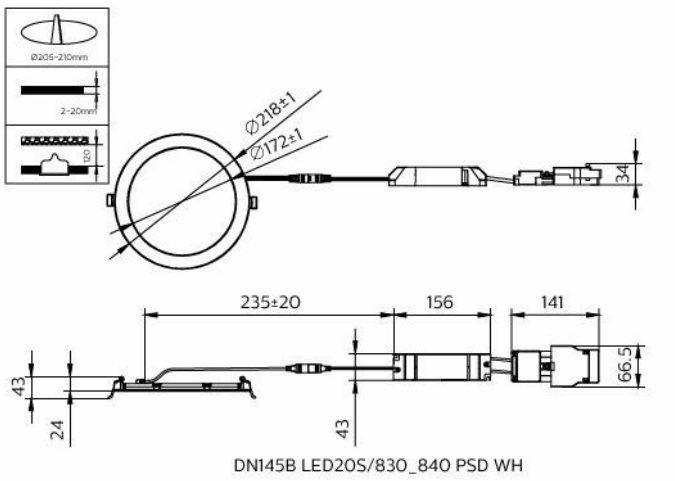
Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Sustainability Data

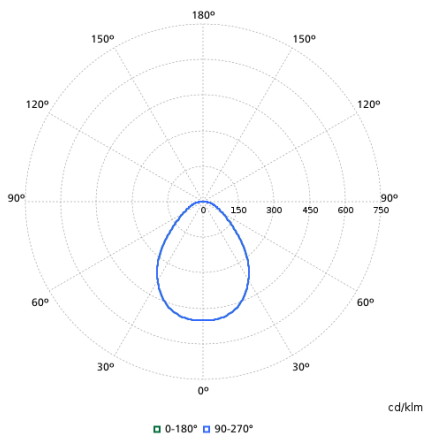
Repair class	Repair Class D, this product is not designed to be repaired.
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Dimensional drawing



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Polar normal diagrams



Product Data

Order product name	DN145B LED20S/830_840 PSD WH
Full product name	DN145B LED20S/830_840 PSD WH
Full product code	872110331700199
Order code	911401894787
Material Nr. (12NC)	911401894787
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103317001
Numerator - Packs per outer box	20
EAN/UPC - Case	8721103317155

Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	Website
	911401895187	DN145Z SM Frame D200	Product Website
	912401483602	EM300V ELB_ELP3 kit LV 3.6V 4800mAh LIB	Product Website

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Coreline-slim-downlight-Dn145B-INI-260716.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	dn145b-led20s-830-840-psd-wh-911401894787.ies	Download
LDT File	dn145b-led20s-830-840-psd-wh-911401894787.ldt	Download
ROLF File	dn145b-led20s-830-840-psd-wh-911401894787.rolfz	Download
ULD File	dn145b-led20s-830-840-psd-wh-911401894787.uld	Download
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