PHILIPS

DN145B LED6S/830_840 PSU WH

911401816085



CoreLine SlimDownlight, All-in, 6.5 W, D70 mm, 680 lm, 700 lm, 3000 K, 4000 K, Textured, IP20/44, EL-ready

D70 mm, Aluminum die-cast, White, Signal white (RAL9003), Recessed, Power supply unit (On/Off), All-in, Multi Color Temperature, 680 lm, 700 lm, 6.5 W, 110 lm/W, 105 lm/W, 3000 K, 4000 K, (0.43,0.40) SDCM<3; (0.38,0.38) SDCM<3, Beam angle 90°, Symmetrical, Textured, Polycarbonate, IP20/44 | Finger-protected; wire-protected, splash-proof, IK03 | 0.3 J, Safety class II, Push-in connector 6-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	680 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	110 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	33
All-in Type	All-in, Multi Color Temperature

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Average CLO power consumption	- W
Inrush current	5.7 A
Inrush time	0.3 ms
Power Consumption	6.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	65
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

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 height	25 mm
Overall diameter	90 mm
Nominal Ceiling cut-out diameter	70 mm
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Mounting	Recessed
Net Weight (Piece)	0.180 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%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

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

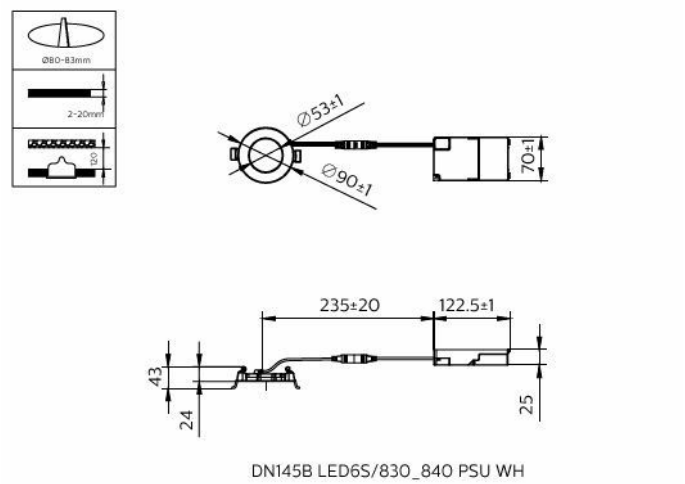
Sustainability Data

Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	2.7 kg CO_2e
Product non-virgin material ratio	10.6 %
Recyclable content ratio of the finished product	50.9 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

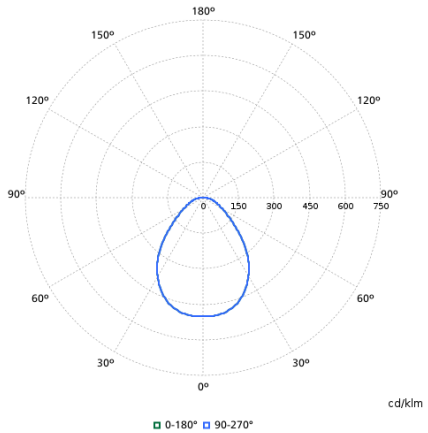
Order product name	DN145B LED6S/830_840 PSU WH
Full product name	DN145B LED6S/830_840 PSU WH
Full product code	872016950040299
Order code	911401816085
Material Nr. (12NC)	911401816085
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169500402
Numerator - Packs per outer box	24
EAN/UPC - Case	8720169500457

Dimensional drawing



DN145B LED6S/830_840 PSU WH

Polar normal diagrams



Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	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
Environmental Product Declaration	EPD-Philips-CL-SlimDownlight-DN145B-LED6S-830-840-PSU-WH-911401816085.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	dn145b-led6s-830-840-psu-wh-911401816085.ies	Download
LDT File	dn145b-led6s-830-840-psu-wh-911401816085.ldt	Download
ROLF File	dn145b-led6s-830-840-psu-wh-911401816085.rolfz	Download
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