PHILIPS

Lighting

CoreLine Downlight gen5

DN142B 10S/840 PSD-E WR IP54

CoreLine Downlight gen5, 10.7 W, D150 mm, 1000 lm, 4000 K, DALI, White reflector, IP20/54, EL-ready

D150 mm, Polycarbonate, White, Pure white (RAL9010), Recessed, Power supply unit with DALI interface external, 1000 lm, 10.7 W, 112 lm/W, 4000 K, (0.380,0.377) SDCM≦5, White reflector perforated without louver, White reflector, Polycarbonate, IP20/54 | Finger-protected; dust accumulation-protected, splash-proof, IK02 | 0.2 J standard, Safety class II, 2 cables 0.15m with connectors 2-pole, Self-contained emergency lighting is possible when used with a compatible battery kit accessory

Warnings and Safety

• Do not apply excessive force to the cable & DC connector, make sure the connector clip is locked before the power is on.

Product data

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

Light Technical	
Luminous Flux	1,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	White reflector perforated without louver
Luminaire light beam spread	84°
Unified glare rating CEN	25

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W

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Average CLO power consumption	- W
Inrush current	14 A
Inrush time	0.001 ms
Power Consumption	10.7 W
Power Factor (Fraction)	0.95
Connection	-
Cable	2 cables 0.15m with connectors 2-pole
Number of products on MCB of 16 A type B	120
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	32 %

Controls and Dimming

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

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	-
Reflector Finish	White reflector
Overall height	82 mm
Overall diameter	162 mm
Nominal Ceiling cut-out diameter	150 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)	0.400 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	-
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Stroboscopic effect visibility measure (SVM)	1
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.380,0.377) SDCM≦5
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

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	3.43 kg CO_2e
Product non-virgin material ratio	30.1 %
Recyclable content ratio of the finished product	31.9 %
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	DN142B 10S/840 PSD-E WR IP54
Full product name	DN142B 10S/840 PSD-E WR IP54
Full product code	872016910892900
Order code	910505103591
Material Nr. (12NC)	910505103591
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169108929
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169108929
Product family code	DN142B [CoreLine Downlight gen5]

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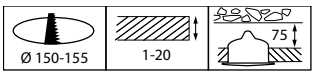
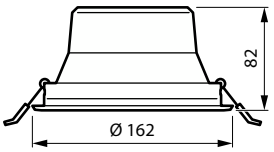
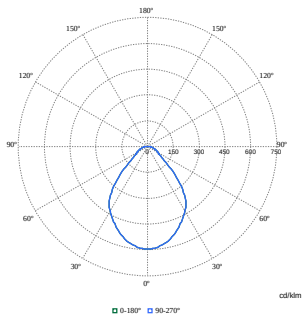
Dimensional drawing





Photometric data



Polar Normal (separate) - DN142BI - 910505103591

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