



CoreLine Downlight gen5

DN142B 10S/830 PSU-E WR IP54

CoreLine Downlight gen5, 9.8 W, D150 mm, 1200 lm, 3000 K, White reflector, IP20/54

D150 mm, Polycarbonate, White, Pure white (RAL9010), Recessed, Power supply unit external (On/Off), 1200 lm, 9.8 W, 120 lm/W, 3000 K, (0.435,0.405) SDCM \leq 5, 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, Push-in connector 4-pole

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		Correlated Color Temperature (Nom)	
Light source replaceable	No	Correlated Color Temperature (Nom)	3000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	120 lm/W
Driver included	Yes	Color rendering index (CRI)	>80
Service tag	Yes	Beam angle of light source	- degree(s)
Lighting Technology	LED	Light source color	830 warm white
Mounting	Recessed	Optic type	-
Value ladder	Performance	Luminaire light beam spread	84°
Warranty period	5 years	Unified glare rating CEN	25
Light Technical		Operating and Electrical	
Luminous Flux	1,200 lm	Input Voltage	220-240 V
Saturated Red (R9)	<50	Line Frequency	50 to 60 Hz
		Initial CLO power consumption	- W W

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Average CLO power consumption	- W W
Inrush current	14 A
Inrush time	0.001 ms
Power Consumption	9,8 W
Power Factor (Fraction)	0,9
Connection	Push-in connector 4-pole
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	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

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)	0.260 kg

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

Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.5
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Stroboscopic effect visibility measure (SVM)	1
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Ambient temperature range	-20 to +40 °C
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Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.435,0.405) 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

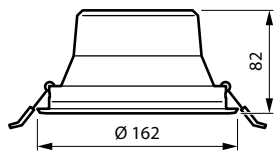
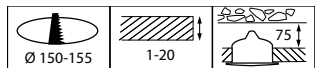
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	3.43 kg CO ₂ e
Product non-virgin material ratio	30.1 %
Recyclable content ratio of the finished product	31.9 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kwh)
GWP total B6 (kg CO ₂ eq) 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 CO ₂ eq / kwh)

Product Data

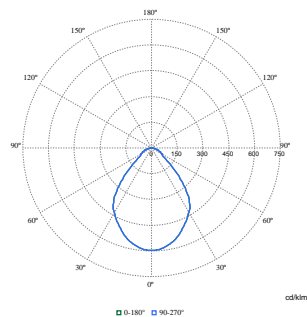
Order product name	DN142B 10S/830 PSU-E WR IP54
Full product name	DN142B 10S/830 PSU-E WR IP54
Full product code	872016950304599
Order code	50304599
Material Nr. (12NC)	911401551132
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169503045
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169503366

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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401551132

