



CoreLine Downlight gen5

DN142B 20S/840 PSU-E WR

CoreLine Downlight gen5, 19.2 W, D200 mm, 2350 lm, 4000 K, White reflector, IP20

D200 mm, Polycarbonate, White, Pure white (RAL9010), Recessed, Power supply unit external (On/Off), 2350 lm, 19.2 W, 120 lm/W, 4000 K, (0.380,0.377) SDCM \leq 5, White reflector, Polycarbonate, IP20 | Finger-protected, 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		Operating and Electrical	
Light source replaceable	No	Luminous Efficacy (rated) (Nom)	120 lm/W
Number of gear units	1 unit	Color rendering index (CRI)	>80
Driver included	Yes	Beam angle of light source	- degree(s)
Service tag	Yes	Light source color	840 neutral white
Lighting Technology	LED	Optic type	-
Mounting	Recessed	Luminaire light beam spread	84°
Value ladder	Performance	Unified glare rating CEN	25
Warranty period	5 years		
Light Technical		Input Voltage	220-240 V
Luminous Flux	2,350 lm	Line Frequency	50 to 60 Hz
Saturated Red (R9)	<50	Initial CLO power consumption	- W W
Correlated Color Temperature (Nom)	4000 K	Average CLO power consumption	- W W
		Inrush current	10 A

CoreLine Downlight gen5

Inrush time	0.002 ms
Power Consumption	19.2 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	100
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	35 %

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	105 mm
Overall diameter	216 mm
Nominal Ceiling cut-out diameter	200 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Mounting	Recessed
Net Weight (Piece)	0.410 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
Stroboscopic effect visibility measure (SVM)	1

Ambient temperature range	-20 to +40 °C
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Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-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

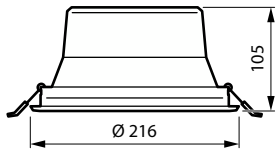
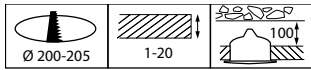
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	4.67 kg CO ₂ e
Product non-virgin material ratio	32 %
Recyclable content ratio of the finished product	32.9 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using 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)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

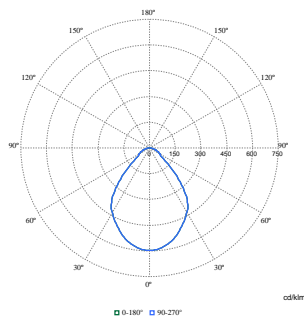
Order product name	DN142B 20S/840 PSU-E WR
Full product name	DN142B 20S/840 PSU-E WR
Full product code	872016950293299
Order code	50293299
Material Nr. (12NC)	911401552232
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169502932
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169503250

CoreLine Downlight gen5

Dimensional drawing



Photometric data



Polar Normal (separate) - 911401552232

