



# CoreLine Downlight gen5

## DN142B 20S/840 PSU-E UGR19 IP54

CoreLine Downlight gen5, 19.2 W, D200 mm, 2350 lm, 4000 K, UGR19, Faceted reflector, IP20/54

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, UGR19, Faceted reflector, Polycarbonate, IP20/54 | Finger-protected; dust accumulation-protected, splash-proof, IK02 | 0.2 J standard, Safety class II, 2 cables 0.15 m with connectors 2-pole, Push-in connector 4-pole

### Warnings and Safety

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

### Product data

General Information		Operating and Electrical	
Light source replaceable	No	Saturated Red (R9)	<50
Number of gear units	Unit	Correlated Colour Temperature (Nom)	4000 K
Driver included	Yes	Luminous efficacy (rated) (nom.)	120 lm/W
Service Tag	Yes	Colour rendering index (CRI)	>80
Lighting Technology	LED	Beam angle of light source	- degree(s)
Mounting	Recessed	Light source colour	840 neutral white
Value ladder	Performance	Optic type	-
Warranty period	5 years	Luminaire light beam spread	60°
		Unified Glare Rating (CEN)	19
Light Technical		Operating and Electrical	
Luminous Flux	2,350 lm	Input Voltage	220-240 V

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Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W W
Average CLO power consumption	- W W
Inrush current	10 A
Inrush time	0.002 ms
Power Consumption	19.2 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	2 cables 0.15 m with connectors 2-pole
Number of products on MCB (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	Aluminium and polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	White
Optical cover/lens finish	-
Reflector finish	Faceted reflector
Overall height	105 mm
Overall diameter	216 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)	0.410 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)	0.5
Stroboscopic effect	1
Ambient temperature range	-20 to +40 °C

### 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 50,000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

### Sustainability Data

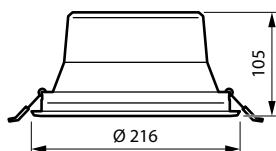
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	4.67 kg CO <sub>2</sub> e
Product non-virgin material ratio	32 %
Recyclable the content ratio of the finished product	32.9 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO <sub>2</sub> eq / kwh)

### Product Data

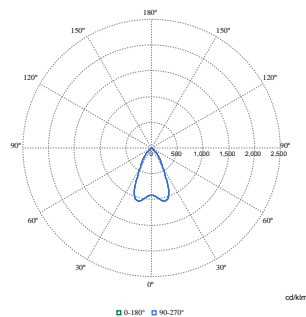
Order product name	DN142B 20S/840 PSU-E UGR19 IP54
Full product name	DN142B 20S/840 PSU-E UGR19 IP54
Full EOC	872016950290199
Order code	911401552532
Material no. (12 NC)	911401552532
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169502901
Numerator – packs per outer box	6
EAN/UPC - Case	8720169503229

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 911401552532

