



CoreLine Downlight gen5

DN142B 20S/840 PSD-E UGR19 IP54

CoreLine Downlight gen5, 20.5 W, D200 mm, 2000 lm, 4000 K, DALI, UGR19, Faceted reflector, IP20/54, EL-ready

D200 mm, Polycarbonate, White, Pure white (RAL9010), Recessed, Power supply unit with DALI interface external, 2000 lm, 20.5 W, 110 lm/W, 4000 K, (0.380,0.377) SDCM \leq 5, UGR19, Faceted reflector, 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, Emergency lighting ready (through compatible battery kit accessory)

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		Correlated Colour Temperature (Nom)	
Number of gear units	Unit	Correlated Colour Temperature (Nom)	4000 K
Driver included	Yes	Luminous efficacy (rated) (nom.)	110 lm/W
Service Tag	Yes	Colour rendering index (CRI)	>80
Mounting	Recessed	Beam angle of light source	- degree(s)
Value ladder	Performance	Light source colour	840 neutral white
Warranty period	5 years	Optic type	Faceted reflector
Light Technical		Luminaire light beam spread	60°
Luminous Flux	2,000 lm	Unified Glare Rating (CEN)	19
Saturated Red (R9)	<50	Operating and Electrical	
		Input Voltage	220 to 240 V

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Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	10 A
Inrush time	0.002 ms
Power Consumption	20.5 W
Power Factor (Fraction)	0.95
Connection	-
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	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	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)	0.800 kg

Emergency Operation

Central Emergency	No
Emergency lighting	Emergency lighting ready (through 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	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 50,000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80

Sustainability Data

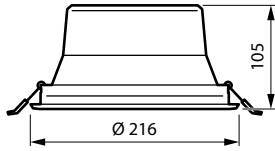
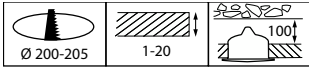
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	4.67 kg CO ₂ e
Product non-virgin material ratio	32 %
Recyclable the content ratio of the finished product	32.9 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate 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 DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO ₂ eq / kWh)

Product Data

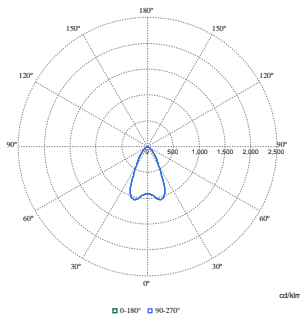
Order product name	DN142B 20S/840 PSD-E UGR19 IP54
Full product name	DN142B 20S/840 PSD-E UGR19 IP54
Full EOC	872016910902500
Order code	910505103602
Material no. (12 NC)	910505103602
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169109025
Numerator – packs per outer box	1
EAN/UPC - Case	8720169109025
Product family code	DN142B [CoreLine Downlight gen5]

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Dimensional drawing



Photometric data



Polar Normal (separate) - DN142BI - 910505103602

