



# CoreLine Downlight gen5

## DN142B 20S/830 PSD-E UGR19 IP54

CoreLine Downlight gen5, 20.5 W, D200 mm, 2000 lm, 3000 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, 3000 K, (0.435,0.404) 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)	3000 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	830 warm 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

## CoreLine Downlight gen5

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	(0.435,0.404) 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

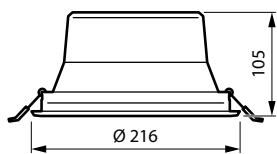
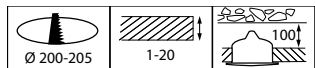
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	4.67 kg CO <sub>2</sub> e
Product non-virgin material ratio	32 %
Recyclable the content ratio of the finished product	32.9 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared 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

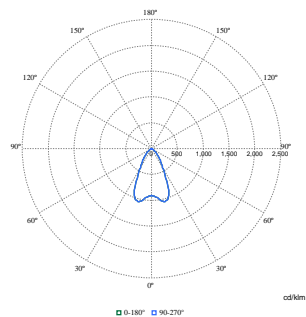
Order product name	DN142B 20S/830 PSD-E UGR19 IP54
Full product name	DN142B 20S/830 PSD-E UGR19 IP54
Full EOC	872016910898100
Order code	910505103597
Material no. (12 NC)	910505103597
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169108981
Numerator – packs per outer box	1
EAN/UPC - Case	8720169108981
Product family code	DN142B [CoreLine Downlight gen5]

# CoreLine Downlight gen5

## Dimensional drawing



## Photometric data



Polar Normal (separate) - DN142BI - 910505103597

