# **PHILIPS** Lighting



# CoreLine Downlight gen5

# DN142B 20S/830 PSD-E UGR19 ELB3

CoreLine Downlight gen5, 24.5 W, D200 mm, 2250 lm, 3000 K, DALI, UGR19, Facetted reflector, IP20, ELB3h

Philips CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for one-to-one conventional luminaire replacements, with an attractive TCO that helps your customers make the switch to LED. These recessed indoor downlights offer uniform light distribution for use in general lighting and office applications (UGR 19). They also deliver instant energy savings and have a much longer lifetime, creating a solution that's environmentally friendly and real value-for-money. CoreLine DN142B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An Interact ready option with integrated wireless communications is also available in this family, which can be used with Interact gateways, sensors and software.

#### 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		Sustainability rating -	
Number of gear units	1 unit		
Driver included	Yes	Light Technical	
Service tag	Yes	Luminous Flux	2,250 lm
Value ladder	Performance	Saturated Red (R9)	<50
Warranty period	5 years	Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	92 lm/W

### CoreLine Downlight gen5

Color rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source color	830 warm white
Optic type	Facetted reflector
Luminaire light beam spread	60°
Unified glare rating CEN	19
Operating and Electrical	
Input Voltage	220 to 240 V
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	24.5 W
Power Factor (Fraction)	0.95
Connection	-
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 %

Yes

No

external DALI

DALI-2™

Polycarbonate

Polycarbonate

Polycarbonate

Facetted reflector

IP20 [Finger-protected]

IK02 [0.2 J standard]

White

105 mm

216 mm

1.390 kg

Power supply unit with DALI interface

Polycarbonate aluminum coated

Emergency Operation	
Rated duration of the emergency lighting	3 hour(s)
(when fully charged)	
Additional max. power consumption when	4.5 W
emergency battery is charging	
Central Emergency	No
Emergency lighting	Emergency lighting 3 hours duration
	basic version
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 ℃
Stroboscopic effect visibility measure (SVM)	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 Complian	t)
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Product Data	
Order product name	DN142B 20S/830 PSD-E UGR19 ELB3
Full product name	DN142B 20S/830 PSD-E UGR19 ELB3
Full product code	872016910908700
Order code	910505103608
Material Nr. (12NC)	910505103608
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169109087
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169109087
Product family code	DN142B [CoreLine Downlight gen5]

**Controls and Dimming** 

Driver/power unit/transformer

Mechanical and Housing

Dimmable

Control interface Constant light output

DALI Standard

Housing Material

Reflector material

Optical cover material

Optic material

Fixation material Housing Color

Optical cover finish Reflector Finish

Overall height

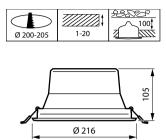
Overall diameter

Ingress protection code

Mech. impact protection code Net Weight (Piece)

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#### Dimensional drawing





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