CoreLine Downlight

DN130B LED20S/830 IA1 WH

CoreLine Downlight, 22 W, D200 mm, 2000 lm, 3000 K, Wireless, Frosted, IP20

The CoreLine Downlight range of recessed luminaires is designed to replace CFL-ni/CFL-i based downlight luminaires. Their attractive TCO helps customers to make the switch to LED.These luminaires create a natural lighting effect for use in general lighting applications. They also deliver instant energy savings and have a much longer lifetime, creating a real value-for-money and environmentally friendly solution. They are easy to install thanks to their standard cut-out size and push-in connectors.
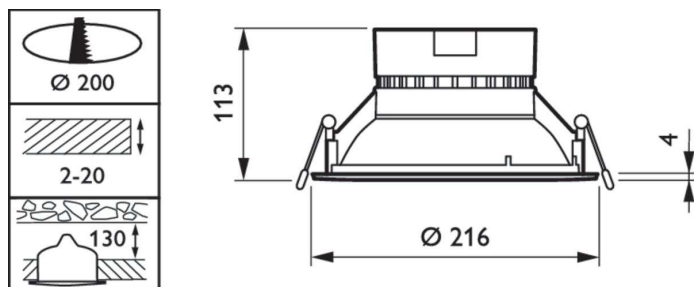
Product data

General Information

Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Product family code	DN130B [CoreLine Downlight WH]
Lighting Technology	LED
Value ladder	Performance
Embedded control	Interact SNS210 sensor
CE mark	Yes

Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,000 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	90 lm/W
Colour rendering index (CRI)	80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	White reflector without louvre
Luminaire light beam spread	90°

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Unified Glare Rating (CEN)	28

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	16 A
Inrush time	0.32 ms
Power Consumption	22 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 2-pole
Cable	–
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	–10 to +40 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating external
Control interface	Wireless
Constant light output	No

Mechanical and Housing

Housing material	Polycarbonate
Reflector material	Polycarbonate
Optic material	–
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Frosted
Overall height	109 mm
Overall diameter	216 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(0.43, 0.40) 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 at median useful life* 50,000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data

Order product name	DN130B LED20S/830 IA1 WH
Full product name	DN130B LED20S/830 IA1 WH
Full EOC	871869939709800
Order code	39709800
Material no. (12 NC)	910500465262
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699397098
Numerator – packs per outer box	1
EAN/UPC – Case	8718699397098

Dimensional drawing

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