CoreLine Downlight

DN140B LED20S/830 WR IA1

CoreLine Downlight, 22 W, D200 mm, 2200 lm, 3000 K, Wireless, Interact Ready, White reflector, 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	DN140B [Coreline Downlight Gen4]
Connectivity	Interact Ready
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	–
Glow-wire test	Temperature 850 ℃, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,200 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	100 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	–

data subject to change

CoreLine Downlight

Luminaire light beam spread	90°
Unified Glare Rating (CEN)	25

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	– W W
Average CLO power consumption	– W W
End CLO power consumption	– W
Inrush current	12 A
Inrush time	0.25 ms
Power Consumption	22 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	–
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	–20 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with SystemReady interface, Interact–ready
Control interface	Wireless
Constant light output	No

Mechanical and Housing

Housing material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Frosted
Reflector finish	White reflector
Overall length	0 mm
Overall width	0 mm

Overall height	108 mm
Overall diameter	216 mm
Dimensions (height x width x depth)	108 x 0 x 0 mm

Approval and Application

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

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(0.435,0.404) SDCM≦5
Power consumption tolerance	+/–10%

Over Time Performance (IEC Compliant)

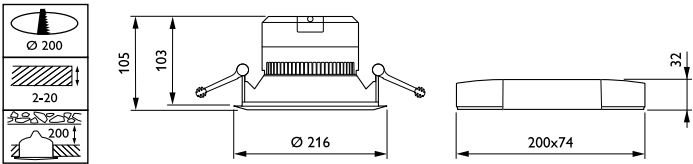|	
Driver failure rate at 5,000 hours	1 %
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	DN140B LED20S/830 WR IA1
Full product name	DN140B LED20S/830 WR IA1
Full EOC	871016332612200
Order code	32612200
Material no. (12 NC)	911401634205
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8710163326122
Numerator – packs per outer box	1
EAN/UPC – Case	8710163326122

Dimensional drawing