CoreLine SlimDownlight

DN145B LED20S/830_840 PSU WH

CoreLine SlimDownlight, All-in, 21 W, D205 mm, 2100 lm, 3000 K, 4000 K, Matte, IP20/44

CoreLine slimdownlight delivers on the CoreLine promise of innovative, easy to use and high-quality indoor LED downlights. CoreLine slimdownlight is an innovative range of recessed and surface-mounted luminaires. It is designed to provide uniform lighting across multiple application areas. With instant energy savings and a longer lifetime, this is an environmentally friendly and cost saving solution. Its MultiColorTemp feature offers a choice of two color temperatures in a single luminaire. This makes it easy to select the right product, gives you the flexibility respond to customer preferences on site, and means fewer product codes on stock. Simple and easy installation means our slim downlight fits the same size cut-out, while the minimal built-in depth of 34mm makes this product an ideal space saving solution, especially for projects with limited fitting space. InterAct Ready option with integrated wireless communications in this family is available, to be used with InterAct gateways, sensors and software.

Product data

General Information

Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Performance
Warranty period	5 years
Sustainability rating	–

Light Technical

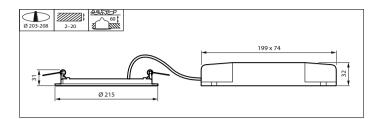|	
Luminous Flux	2,100 lm
Correlated Color Temperature (Nom)	3000 4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	>80
Light source color	830 warm white, 840 neutral white
Optic type	Wide beam
Luminaire light beam spread	80°

CoreLine SlimDownlight

Unified glare rating CEN	27
All-in Type	All-in, Multi Color Temperature

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Average CLO power consumption	– W
Inrush current	28.9 A
Inrush time	0.0016 ms
Power Consumption	21 W
Power Factor (Fraction)	0.9
Connection	2 Push-in connector 2-pole
Cable	–
Number of products on MCB of 16 A type B	16
Suitable for random switching	Not applicable
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	–
Constant light output	No

Mechanical and Housing

Housing Material	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	–
Housing Color	White
Optical cover finish	Matte
Overall height	30 mm
Overall diameter	215 mm
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.503 kg

Emergency Operation

Central Emergency	No

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	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	–20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	–10% / +10%
Initial chromaticity	(0.44, 0.41) SDCM <3; (0.38, 0.38) SDCM <3
Power consumption tolerance	+/–10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

Product Data

Order product name	DN145B LED20S/830_840 PSU WH
Full product name	DN145B LED20S/830_840 PSU WH
Full product code	872016950042699
Order code	911401816285
Material Nr. (12NC)	911401816285
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169500426
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169500471

CoreLine SlimDownlight

Dimensional drawing

Ø 203-208 | 2–20 | 60

199 x 74

31

32

Ø 215

www.lighting.philips.com

2025, January 7 – data subject to change