PHILIPS

Lighting

CoreLine SlimDownlight – the clear choice for LED

CoreLine SlimDownlight

CoreLine SlimDownlight is a range of ultra-thin recessed luminaires designed to replace downlight luminaires based on CFL-ni/CFL-I lamp technology. The product's attractive TCO makes it easy for customers to make the switch to LED. CoreLine SlimDownlight delivers a natural 'surface of light' effect for use in general lighting applications. It also offers instant energy savings and a much longer lifetime, making it a real value-for-money and environmentally friendly solution. Installation is easy, as the luminaire fits the same size of cut-out and has an extremely small build-in depth.

Benefits

- Energy savings and longer lifetime reduce operating costs
- One-to-one replacement for conventional luminaires
- The natural 'surface of light' effect creates a comfortable, high-end look

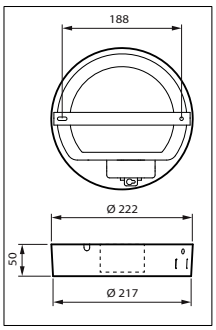
Features

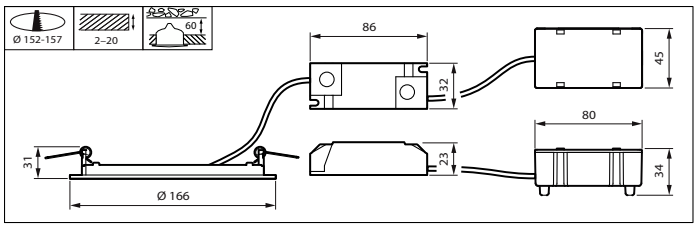
- Diffuse light quality
- Product height of less than 50 mm: fits more ceiling types
- Surface-mounted version enables luminaire to be positioned anywhere
- Available in 1000 and 2000 lumen versions
- Choice of color temperature: 3000 and 4000 K

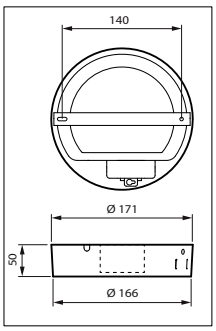
Application

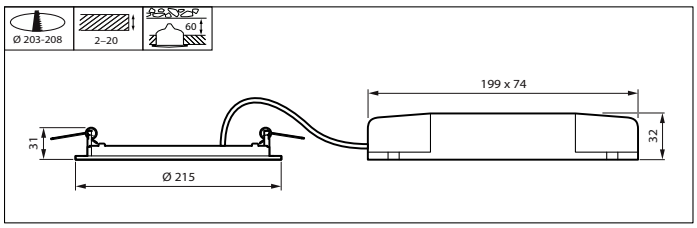
- General lighting in corridors
- Retail stores
- Reception areas
- Indoor circulation areas

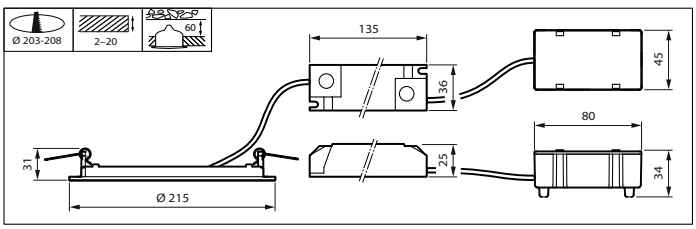
Dimensional drawing

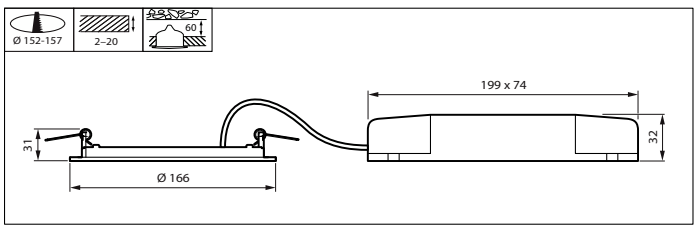












Product details

CoreLine SlimDownlight 2100lm side view

CoreLine SlimDownlight Surface-mounted 2100lm

Product details

CoreLine SlimDownlight 2100lm with PSU driver and easy connector

CoreLine SlimDownlight 2100lm

Philips CoreLine SlimDownlight Surface DT02

Philips CoreLine SlimDownlight Surface DT01

General Information	
CE mark	Yes
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Beam angle of light source	120 degree(s)
Optical cover type	Opal
Color rendering index (CRI)	>80
Number of light sources	1
Optic type	Beam angle 90°
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Temperature	
Ambient temperature range	0 to +35 °C
Mechanical and Housing	
Housing Color	White
Approval and Application	
Protection class IEC	Safety class II
Mech. impact protection code	IK02
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.0015 %
Application Conditions	
Maximum dim level	Not applicable
Suitable for random switching	Yes

General Information

Order Code	Full Product Name	Lamp family code	Product family code
33951199	DN145C LED10S/830 PSU II WH	LED10S	-
33952899	DN145C LED10S/840 PSU II WH	LED10S	-
33953599	DN145C LED20S/830 PSU II WH	LED20S	-
33954299	DN145C LED20S/840 PSU II WH	LED20S	-
96103999	DN145B LED20S/840 PSD-E II WH	LED20S	DN145B
33949899	DN145B LED20S/830 PSU II WH	LED20S	-
33950499	DN145B LED20S/840 PSU II WH	LED20S	-
96101599	DN145B LED10S/840 PSD-E II WH	LED10S	DN145B
33947499	DN145B LED10S/830 PSU II WH	LED10S	-
33948199	DN145B LED10S/840 PSU II WH	LED10S	-

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux	Stroboscopic effect visibility measure (SVM)
33951199	DN145C LED10S/830 PSU II WH	3000 K	100 lm/W	1,100 lm	1.6
33952899	DN145C LED10S/840 PSU II WH	4000 K	100 lm/W	1,100 lm	1.6
33953599	DN145C LED20S/830 PSU II WH	3000 K	100 lm/W	2,100 lm	1.6
33954299	DN145C LED20S/840 PSU II WH	4000 K	100 lm/W	2,100 lm	1.6
96103999	DN145B LED20S/840 PSD-E II WH	4000 K	93 lm/W	2,100 lm	0.4

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux	Stroboscopic effect visibility measure (SVM)
33949899	DN145B LED20S/830 PSU II WH	3000 K	100 lm/W	2,100 lm	1.6
33950499	DN145B LED20S/840 PSU II WH	4000 K	100 lm/W	2,100 lm	1.6
96101599	DN145B LED10S/840 PSD-E II WH	4000 K	85 lm/W	1,100 lm	0.4
33947499	DN145B LED10S/830 PSU II WH	3000 K	100 lm/W	1,100 lm	1.6
33948199	DN145B LED10S/840 PSU II WH	4000 K	100 lm/W	1,100 lm	1.6

Operating and Electrical

Order Code	Full Product Name	Power Consumption
33951199	DN145C LED10S/830 PSU II WH	11 W
33952899	DN145C LED10S/840 PSU II WH	11 W
33953599	DN145C LED20S/830 PSU II WH	21 W
33954299	DN145C LED20S/840 PSU II WH	21 W
96103999	DN145B LED20S/840 PSD-E II WH	22.5 W

Order Code	Full Product Name	Power Consumption
33949899	DN145B LED20S/830 PSU II WH	21 W
33950499	DN145B LED20S/840 PSU II WH	21 W
96101599	DN145B LED10S/840 PSD-E II WH	13 W
33947499	DN145B LED10S/830 PSU II WH	11 W
33948199	DN145B LED10S/840 PSU II WH	11 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
33951199	DN145C LED10S/830 PSU II WH	No
33952899	DN145C LED10S/840 PSU II WH	No
33953599	DN145C LED20S/830 PSU II WH	No
33954299	DN145C LED20S/840 PSU II WH	No
96103999	DN145B LED20S/840 PSD-E II WH	Yes

Order Code	Full Product Name	Dimmable
33949899	DN145B LED20S/830 PSU II WH	No
33950499	DN145B LED20S/840 PSU II WH	No
96101599	DN145B LED10S/840 PSD-E II WH	Yes
33947499	DN145B LED10S/830 PSU II WH	No
33948199	DN145B LED10S/840 PSU II WH	No

Approval and Application

Order Code	Full Product Name	Ingress protection code
33951199	DN145C LED10S/830 PSU II WH	IP44
33952899	DN145C LED10S/840 PSU II WH	IP44
33953599	DN145C LED20S/830 PSU II WH	IP44
33954299	DN145C LED20S/840 PSU II WH	IP44
96103999	DN145B LED20S/840 PSD-E II WH	IP20/44

Order Code	Full Product Name	Ingress protection code
33949899	DN145B LED20S/830 PSU II WH	IP20/44
33950499	DN145B LED20S/840 PSU II WH	IP20/44
96101599	DN145B LED10S/840 PSD-E II WH	IP20/44
33947499	DN145B LED10S/830 PSU II WH	IP20/44
33948199	DN145B LED10S/840 PSU II WH	IP20/44

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
33951199	DN145C LED10S/830 PSU II WH	(0.43657,0.40454) SDCM<3

Order Code	Full Product Name	Initial chromaticity
33952899	DN145C LED10S/840 PSU II WH	(0.38212,0.38031) SDCM<3

CoreLine SlimDownlight

Order Code	Full Product Name	Initial chromaticity
33953599	DN145C LED20S/830 PSU II WH	(0.43657,0.40454) SDCM<3
33954299	DN145C LED20S/840 PSU II WH	(0.38212,0.38031) SDCM<3
96103999	DN145B LED20S/840 PSD-E II WH	(0.38212,0.38031) SDCM<3
33949899	DN145B LED20S/830 PSU II WH	(0.43657,0.40454) SDCM<3

Order Code	Full Product Name	Initial chromaticity
33950499	DN145B LED20S/840 PSU II WH	(0.38212,0.38031) SDCM<3
96101599	DN145B LED10S/840 PSD-E II WH	(0.38212,0.38031) SDCM<3
33947499	DN145B LED10S/830 PSU II WH	(0.43657,0.40454) SDCM<3
33948199	DN145B LED10S/840 PSU II WH	(0.38212,0.38031) SDCM<3

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.