



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

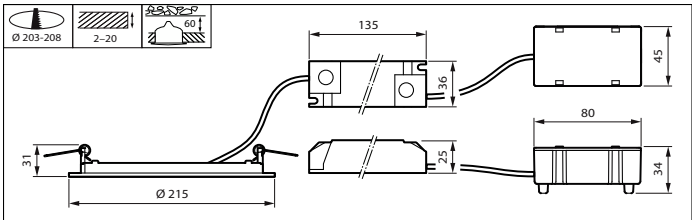
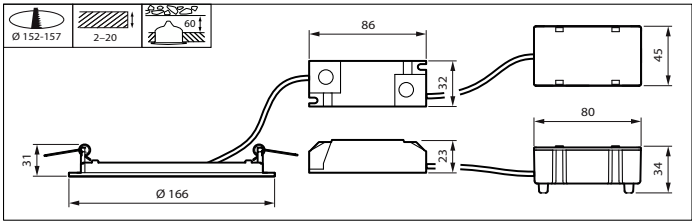
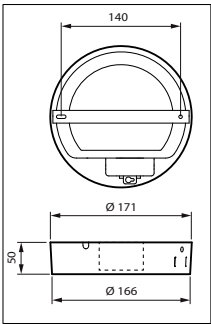
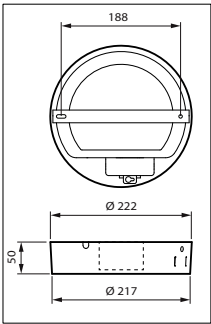
CoreLine SlimDownlight

Versions



Coreline SlimDownlight-DN145B 20S

Dimensional drawing



Product details

CoreLine SlimDownlight 2100lm
side view

CoreLine SlimDownlight Surface-
mounted 2100lm



CoreLine SlimDownlight

Product details



CoreLine SlimDownlight 2100lm
with PSU driver and easy
connector



CoreLine SlimDownlight 2100lm



Philips CoreLine SlimDownlight
Surface DT02



Philips CoreLine SlimDownlight
Surface DT01

CoreLine SlimDownlight

General Information	
Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Beam angle of light source	120 degree(s)
Color rendering index (CRI)	>80
Number of light sources	1
Optic type	Beam angle 90°
Operating and Electrical	
Protection class IEC	Safety class II
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Suitable for random switching	Yes
Controls and Dimming	
Maximum dim level	Not applicable
Mechanical and Housing	
Optical cover type	Opal
Housing Color	White
Mech. impact protection code	IK02
Ingress protection code	IP20/44
Approval and Application	
Ambient temperature range	0 to +35 °C
CE mark	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.0015 %

General Information

Order Code	Full Product Name	Lamp 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
96102299	DN145B LED20S/830 PSD-E II WH	LED20S
96103999	DN145B LED20S/840 PSD-E II WH	LED20S
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
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	Luminous Efficacy (rated)	Luminous
		(Nom)	(Nom)	Flux
33951199	DN145C LED10S/830 PSU II WH	3000 K	100 lm/W	1,100 lm

Order Code	Full Product Name	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous
		(Nom)	(Nom)	Flux
33952899	DN145C LED10S/840 PSU II WH	4000 K	100 lm/W	1,100 lm

CoreLine SlimDownlight

Order Code	Full Product Name	Correlated Color	Luminous	Luminous
		Temperature	Efficacy (rated)	
		(Nom)	(Nom)	Flux
33953599	DN145C LED20S/830 PSU II WH	3000 K	100 lm/W	2,100 lm
33954299	DN145C LED20S/840 PSU II WH	4000 K	100 lm/W	2,100 lm
96102299	DN145B LED20S/830 PSD-E II WH	3000 K	93 lm/W	2,100 lm
96103999	DN145B LED20S/840 PSD-E II WH	4000 K	93 lm/W	2,100 lm
33949899	DN145B LED20S/830 PSU II WH	3000 K	100 lm/W	2,100 lm

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

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
96102299	DN145B LED20S/830 PSD-E II WH	22.5 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
96102299	DN145B LED20S/830 PSD-E II WH	Yes
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	Stroboscopic effect visibility measure
		(SVM)
33951199	DN145C LED10S/830 PSU II WH	1.6
33952899	DN145C LED10S/840 PSU II WH	1.6
33953599	DN145C LED20S/830 PSU II WH	1.6
33954299	DN145C LED20S/840 PSU II WH	1.6
96102299	DN145B LED20S/830 PSD-E II WH	0.4
96103999	DN145B LED20S/840 PSD-E II WH	0.4

Order Code	Full Product Name	Stroboscopic effect visibility measure
		(SVM)
33949899	DN145B LED20S/830 PSU II WH	1.6
33950499	DN145B LED20S/840 PSU II WH	1.6
96101599	DN145B LED10S/840 PSD-E II WH	0.4
33947499	DN145B LED10S/830 PSU II WH	1.6
33948199	DN145B LED10S/840 PSU II WH	1.6

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
33951199	DN145C LED10S/830 PSU II WH	(0.43657,0.40454) SDCM<3
33952899	DN145C LED10S/840 PSU II WH	(0.38212,0.38031) SDCM<3
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

Order Code	Full Product Name	Initial chromaticity
96102299	DN145B LED20S/830 PSD-E II WH	(0.43657,0.40454) 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
33950499	DN145B LED20S/840 PSU II WH	(0.38212,0.38031) SDCM<3

CoreLine SlimDownlight

Order Code	Full Product Name	Initial chromaticity
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

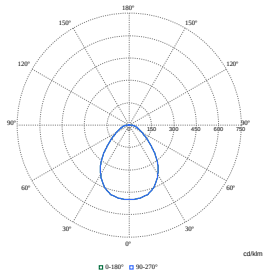
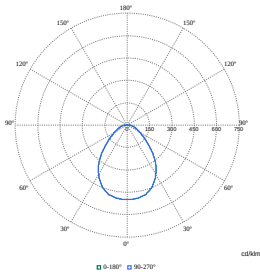
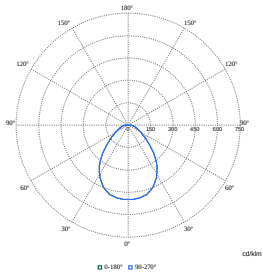
Order Code	Full Product Name	Initial chromaticity
33948199	DN145B LED10S/840 PSU II WH	(0.38212,0.38031) SDCM<3

Product Data

Order Code	Full Product Name	Product family code
33951199	DN145C LED10S/830 PSU II WH	-
33952899	DN145C LED10S/840 PSU II WH	-
33953599	DN145C LED20S/830 PSU II WH	-
33954299	DN145C LED20S/840 PSU II WH	-
96102299	DN145B LED20S/830 PSD-E II WH	DN145B
96103999	DN145B LED20S/840 PSD-E II WH	DN145B

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

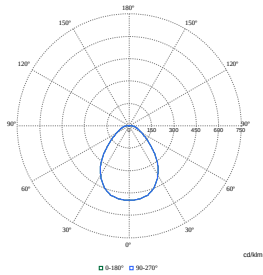
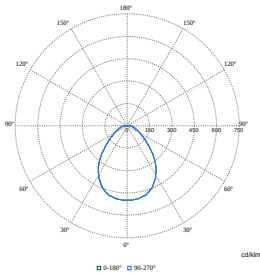
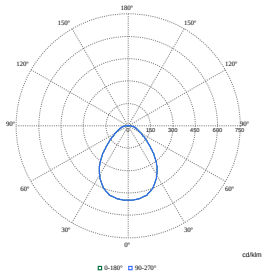
Polar Wide Diagrams



Polar Normal (separate) - DN145BI - 910500465903

Polar Normal (separate) - DN145BI - 910500465904

Polar Normal (separate) - DN145BI - 910500465902

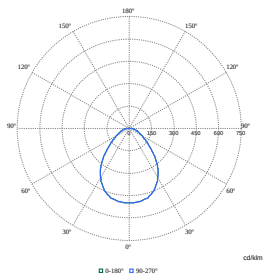
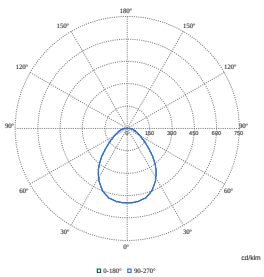
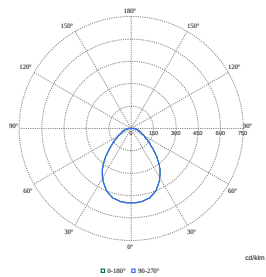


Polar Normal (separate) - null - 911401805980

Polar Normal (separate) - null - 911401806080

Polar Normal (separate) - null - 911401806180

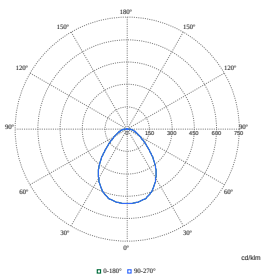
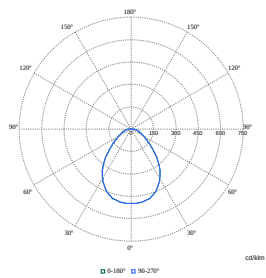
Polar Wide Diagrams



Polar Normal (separate) - null - 911401806280

Polar Normal (separate) - null - 911401806380

Polar Normal (separate) - null - 911401806580



Polar Normal (separate) - null - 911401806680

Polar Normal (separate) - null - 911401806480

