



For every project where light really matters. A slim fit

CoreLine SlimDownlight

CoreLine slimdownlight delivers on the CoreLine promise of innovative, easy-to-use and high-quality indoor LED downlights. The CoreLine slim downlight 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 colour 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 in stock. Simple and easy installation means that our slim downlight fits the same size cut-out, while the minimal built-in depth of 34 mm 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.

Benefits

- MultiColorTemp option to change colour temperature on site and simplify product selection
- Energy-saving and longer lifetime to reduce overall operating costs
- Installations are surface-mounted with recessed covers
- Fits suspended ceilings with low space (product height < 50 mm)
- Surface of light effect creates a comfortable, uniform look

CoreLine SlimDownlight

Features

- MultiColorTemp feature: two colour temperature options in a single luminaire (3,000 K, 4,000 K)
- Recessed (DN145B) and surface-mounted versions (DN145C)
- Energy-efficient with a long lifespan: up to 100 lm/W and 50,000 hours @L70
- Push-in connector with through-wiring option
- Multiple light output options: 650/1,100/2,100 lumen
- Colour temperature: 3,000 K and 4,000 K
- Choice of drivers; DALI and wireless with Interact ready
- Total height (including driver): 34 mm recessed; 50 mm surface-mounted

Application

- Corridors
- Retail stores
- Reception areas
- Restrooms
- Technical rooms

Versions



Coreline SlimDownlight-DN145C 10S

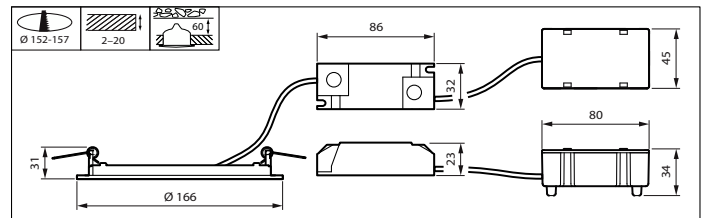
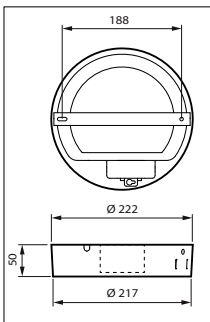


Coreline SlimDownlight-DN145C 20S



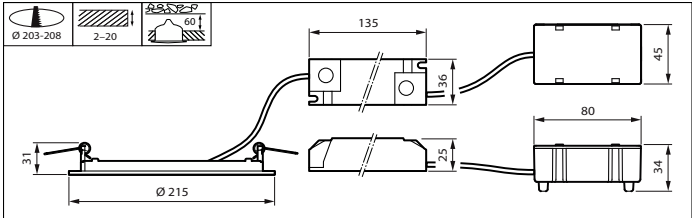
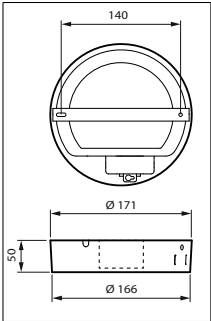
Coreline SlimDownlight-DN145B 10S

Dimensional drawing



CoreLine SlimDownlight

Dimensional drawing



Product details

CoreLine SlimDownlight 2100lm
side view



CoreLine SlimDownlight Surface-mounted 2100lm



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	Unit
Service Tag	Yes
Light Technical	
Beam angle of light source	120 degree(s)
Colour rendering index (CRI)	>80
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	
Housing Colour	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)	1
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%

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
97642299	DN145B LED20S/830 WIA-E WH	-
97644699	DN145B LED20S/840 WIA-E WH	-
33949899	DN145B LED20S/830 PSU II WH	LED20S
33950499	DN145B LED20S/840 PSU II WH	LED20S
96100899	DN145B LED10S/830 PSD-E II WH	LED10S
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

		Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Number of light sources
Order Code	Full Product Name				
33951199	DN145C LED10S/830 PSU II WH	3000 K	100 lm/W	1,100 lm	1
33952899	DN145C LED10S/840 PSU II WH	4000 K	100 lm/W	1,100 lm	1

		Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Number of light sources
Order Code	Full Product Name				
33953599	DN145C LED20S/830 PSU II WH	3000 K	100 lm/W	2,100 lm	1
33954299	DN145C LED20S/840 PSU II WH	4000 K	100 lm/W	2,100 lm	1

CoreLine SlimDownlight

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Number of light sources
96102299	DN145B LED20S/830 PSD-E II WH	3000 K	93 lm/W	2,100 lm	1
96103999	DN145B LED20S/840 PSD-E II WH	4000 K	93 lm/W	2,100 lm	1
97642299	DN145B LED20S/830 WIA-E WH	3000 K	93 lm/W	2,100 lm	-
97644699	DN145B LED20S/840 WIA-E WH	4000 K	93 lm/W	2,100 lm	-
33949899	DN145B LED20S/830 PSU II WH	3000 K	100 lm/W	2,100 lm	1

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Luminous Flux	Number of light sources
33950499	DN145B LED20S/840 PSU II WH	4000 K	100 lm/W	2,100 lm	1
96100899	DN145B LED10S/830 PSD-E II WH	3000 K	85 lm/W	1,100 lm	1
96101599	DN145B LED10S/840 PSD-E II WH	4000 K	85 lm/W	1,100 lm	1
33947499	DN145B LED10S/830 PSU II WH	3000 K	100 lm/W	1,100 lm	1
33948199	DN145B LED10S/840 PSU II WH	4000 K	100 lm/W	1,100 lm	1

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
97642299	DN145B LED20S/830 WIA-E WH	22.5 W

Order Code	Full Product Name	Power Consumption
97644699	DN145B LED20S/840 WIA-E WH	22.5 W
33949899	DN145B LED20S/830 PSU II WH	21 W
33950499	DN145B LED20S/840 PSU II WH	21 W
96100899	DN145B LED10S/830 PSD-E II WH	13 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
97642299	DN145B LED20S/830 WIA-E WH	Yes

Order Code	Full Product Name	Dimmable
97644699	DN145B LED20S/840 WIA-E WH	Yes
33949899	DN145B LED20S/830 PSU II WH	No
33950499	DN145B LED20S/840 PSU II WH	No
96100899	DN145B LED10S/830 PSD-E II WH	Yes
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

Mechanical and Housing

Order Code	Full Product Name	Optical cover type
33951199	DN145C LED10S/830 PSU II WH	Opal
33952899	DN145C LED10S/840 PSU II WH	Opal
33953599	DN145C LED20S/830 PSU II WH	Opal
33954299	DN145C LED20S/840 PSU II WH	Opal
96102299	DN145B LED20S/830 PSD-E II WH	Opal
96103999	DN145B LED20S/840 PSD-E II WH	Opal
97642299	DN145B LED20S/830 WIA-E WH	-

Order Code	Full Product Name	Optical cover type
97644699	DN145B LED20S/840 WIA-E WH	-
33949899	DN145B LED20S/830 PSU II WH	Opal
33950499	DN145B LED20S/840 PSU II WH	Opal
96100899	DN145B LED10S/830 PSD-E II WH	Opal
96101599	DN145B LED10S/840 PSD-E II WH	Opal
33947499	DN145B LED10S/830 PSU II WH	Opal
33948199	DN145B LED10S/840 PSU II WH	Opal

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Approval and Application

Order Code	Full Product Name	Stroboscopic effect
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
97642299	DN145B LED20S/830 WIA-E WH	0.4

Order Code	Full Product Name	Stroboscopic effect
97644699	DN145B LED20S/840 WIA-E WH	0.4
33949899	DN145B LED20S/830 PSU II WH	1.6
33950499	DN145B LED20S/840 PSU II WH	1.6
96100899	DN145B LED10S/830 PSD-E II WH	0.4
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
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
97642299	DN145B LED20S/830 WIA-E WH	(0.43657,0.40454) SDCM<3

Order Code	Full Product Name	Initial chromaticity
97644699	DN145B LED20S/840 WIA-E 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
96100899	DN145B LED10S/830 PSD-E II WH	(0.43657,0.40454) 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

Over Time Performance (IEC Compliant)

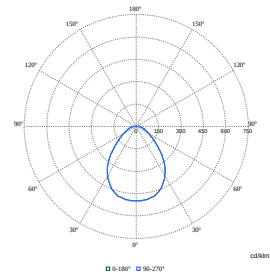
Order Code	Full Product Name	Driver failure rate at 5,000 hours
33951199	DN145C LED10S/830 PSU II WH	0.0015 %
33952899	DN145C LED10S/840 PSU II WH	0.0015 %
33953599	DN145C LED20S/830 PSU II WH	0.0015 %
33954299	DN145C LED20S/840 PSU II WH	0.0015 %
96102299	DN145B LED20S/830 PSD-E II WH	0.0015 %
96103999	DN145B LED20S/840 PSD-E II WH	0.0015 %
97642299	DN145B LED20S/830 WIA-E WH	-

Order Code	Full Product Name	Driver failure rate at 5,000 hours
97644699	DN145B LED20S/840 WIA-E WH	-
33949899	DN145B LED20S/830 PSU II WH	0.0015 %
33950499	DN145B LED20S/840 PSU II WH	0.0015 %
96100899	DN145B LED10S/830 PSD-E II WH	0.0015 %
96101599	DN145B LED10S/840 PSD-E II WH	0.0015 %
33947499	DN145B LED10S/830 PSU II WH	0.0015 %
33948199	DN145B LED10S/840 PSU II WH	0.0015 %

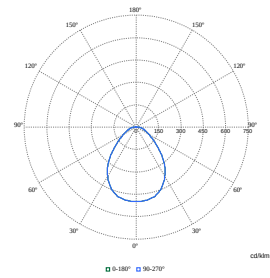
Product Data

Order Code	Full Product Name	Product family code
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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
97642299	DN145B LED20S/830 WIA-E WH	DN145B

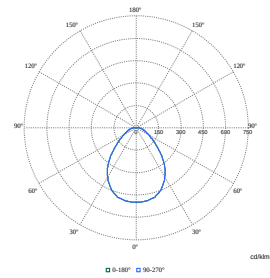
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33949899	DN145B LED20S/830 PSU II WH	-
33950499	DN145B LED20S/840 PSU II WH	-
96100899	DN145B LED10S/830 PSD-E II WH	DN145B
96101599	DN145B LED10S/840 PSD-E II WH	DN145B
33947499	DN145B LED10S/830 PSU II WH	-
33948199	DN145B LED10S/840 PSU II WH	-



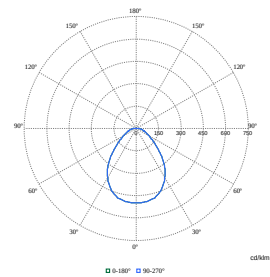
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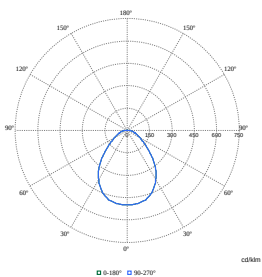
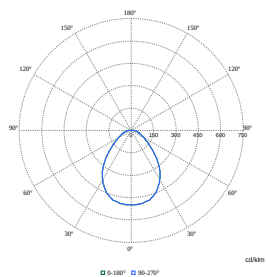


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Polar Wide Diagrams



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