



CoreLine Downlight – The clear choice for LED

CoreLine Downlight

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.

Benefits

- Reduced operating costs thanks to energy saving and longer lifetime
- One-to-one replacement, facilitating the switch from conventional to LED luminaires
- Suitable for professional applications thanks to DALI dimming and aluminum reflector

Features

- Available in 1100 and 2200 lumen versions
- Energy-efficient: up to 116 lm/W
- DALI and Emergency versions available
- Choice of color temperature: 3000 and 4000 K
- Protected glass available as an option (also enables IP54 protection for some products)

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Application

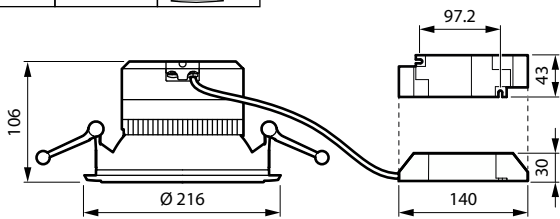
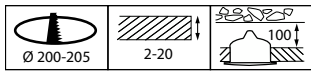
- General lighting in corridors
- Retail stores
- Reception areas
- Indoor circulation areas

Versions



Coreline Downlight Gen4-DN140B
LED20S WR

Dimensional drawing



CoreLine Downlight

General Information

CE mark	Yes
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 850 °C, duration 30 s
Light source replaceable	No
Number of gear units	Unit
Product family code	DN140B

Light Technical

Beam angle of light source	120 degree(s)
Colour rendering index (CRI)	>80
Luminous Flux	2,200 lm
Optic type	-
Flickering value (PstLM)	1
Stroboscopic effect	0.4

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz

Temperature

Ambient temperature range	0 to +35 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing Colour	White
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Approval and Application

Protection class IEC	Safety class II
Mech. impact protection code	IK02
Ingress protection code	IP20

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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Application Conditions

Maximum dim level	1%
Suitable for random switching	Yes

General Information

Order Code	Full Product Name	Type of emergency lighting battery
97620000	DN140B LED20S/840 WIA-E WR ELB3	Lithium
97622400	DN140B LED20S/830 WIA-E WR ELB3	Lithium
97625500	DN140B LED20S/830 WIA-E WR	-
97627900	DN140B LED20S/840 WIA-E WR	-
97621700	DN140B LED20S/840 WIA-E C ELB3	Lithium
97626200	DN140B LED20S/840 WIA-E C	-

Light Technical

Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy (rated) (nom.)	Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy (rated) (nom.)
97620000	DN140B LED20S/840 WIA-E WR ELB3	4000 K	94 lm/W	97622400	DN140B LED20S/830 WIA-E WR ELB3	3000 K	94 lm/W

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Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy (rated) (nom.)
97625500	DN140B LED20S/830 WIA-E WR	3000 K	107 lm/W
97627900	DN140B LED20S/840 WIA-E WR	4000 K	107 lm/W

Order Code	Full Product Name	Correlated Colour Temperature	Luminous efficacy (rated) (nom.)
97621700	DN140B LED20S/840 WIA-E C ELB3	4000 K	94 lm/W
97626200	DN140B LED20S/840 WIA-E C	4000 K	107 lm/W

Operating and Electrical

Order Code	Full Product Name	Power Consumption
97620000	DN140B LED20S/840 WIA-E WR ELB3	23.5 W
97622400	DN140B LED20S/830 WIA-E WR ELB3	23.5 W
97625500	DN140B LED20S/830 WIA-E WR	20.5 W

Order Code	Full Product Name	Power Consumption
97627900	DN140B LED20S/840 WIA-E WR	20.5 W
97621700	DN140B LED20S/840 WIA-E C ELB3	23.5 W
97626200	DN140B LED20S/840 WIA-E C	20.5 W

Emergency Operation

Order Code	Full Product Name	Emergency flux	Emergency Power
97620000	DN140B LED20S/840 WIA-E WR ELB3	260 lm	2 W
97622400	DN140B LED20S/830 WIA-E WR ELB3	260 lm	2 W

Order Code	Full Product Name	Emergency flux	Emergency Power
97625500	DN140B LED20S/830 WIA-E WR	-	-
97627900	DN140B LED20S/840 WIA-E WR	-	-
97621700	DN140B LED20S/840 WIA-E C ELB3	260 lm	2 W
97626200	DN140B LED20S/840 WIA-E C	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
97620000	DN140B LED20S/840 WIA-E WR ELB3	(0.378,0.377) SDCM≤5
97622400	DN140B LED20S/830 WIA-E WR ELB3	(0.435,0.405) SDCM≤5
97625500	DN140B LED20S/830 WIA-E WR	(0.435,0.405) SDCM≤5

Order Code	Full Product Name	Initial chromaticity
97627900	DN140B LED20S/840 WIA-E WR	(0.378,0.377) SDCM≤5
97621700	DN140B LED20S/840 WIA-E C ELB3	(0.378,0.377) SDCM≤5
97626200	DN140B LED20S/840 WIA-E C	(0.378,0.377) SDCM≤5

