PHILIPS

LuxSpace square, recessed

DN572B



LuxSpace square, recessed – high efficiency, visual comfort and a stylish design

Customers are looking to optimize all their resources, and that means not just their running costs (energy, etc.) but also their human resources. Energy savings are therefore a priority, but they must not have an adverse effect on the well-being of employees, who need a pleasant environment in order to be more productive, or on customers, who want to enjoy their shopping experience. LuxSpace provides the perfect combination of efficiency, light comfort and design, without compromising on lighting performance (color rendering and color uniformity). It offers a wide choice of options for creating the desired ambience, no matter the application.

Benefits

- Best-in-class efficacy
- Creates a gentle, natural light, ensuring visual comfort
- Perfect integration with the ceiling thanks to the thin, narrow rim; rimless version ideal for integration into plaster ceilings

Applications

- Offices
- Retail
- Hospitals
- Hotels
- Airports

Features

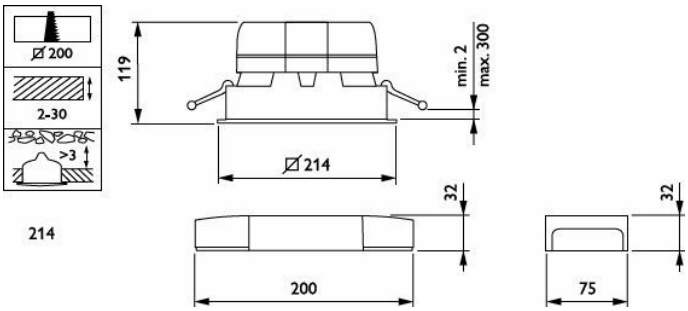
- Choice of four optics: high-gloss, facetted, matt and white
- Rim colors: high-gloss metalized, white (RAL9010), grey, black (RAL9004) as standard (any other RAL color possible upon request)
- Rimless version available
- Compliant for central emergency lighting with DC
- Multiple additional options: emergency lighting (single battery 3 hours), through-wiring

Versions



IPPR DN570Bi 0051

Dimensional drawing



LuxSpace2 Square

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Light Technical

Color rendering index (CRI)	>80
Optic type	-

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes
Protection class IEC	Safety class II

Controls and Dimming

Maximum dim level	1%
Embedded control	Visible light communication

Mechanical and Housing

Housing Color	White
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

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
Ambient temperature range	+10 to +25 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%

Product Data

Product family code	DN572B [LuxSpace2 Square]

Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
910505100943	DN572B LED12S/830UE PSU-E C WH	1,200 lm	3000 K	152 lm/W
910505100944	DN572B LED12S/840UE PSU-E C WH	1,250 lm	4000 K	160 lm/W
910505100945	DN572B LED12S/830UE DIA-VLC-E C WH	1,200 lm	3000 K	153 lm/W
910505100946	DN572B LED12S/840UE DIA-VLC-E C WH	1,250 lm	4000 K	161 lm/W
910505100947	DN572B LED20S/830UE PSU-E C WH	2,100 lm	3000 K	163 lm/W
910505100948	DN572B LED20S/840UE PSU-E C WH	2,200 lm	4000 K	172 lm/W
910505100949	DN572B LED20S/830UE DIA-VLC-E C WH	2,100 lm	3000 K	164 lm/W
910505100950	DN572B LED20S/840UE DIA-VLC-E C WH	2,200 lm	4000 K	173 lm/W
910505100951	DN572B LED24S/830UE PSU-E C WH	2,400 lm	3000 K	222 lm/W
910505100952	DN572B LED24S/840UE PSU-E C WH	2,500 lm	4000 K	173 lm/W
910505100953	DN572B LED24S/830UE DIA-VLC-E C WH	2,400 lm	3000 K	168 lm/W
910505100954	DN572B LED24S/840UE DIA-VLC-E C WH	2,500 lm	4000 K	177 lm/W

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910505100943	DN572B LED12S/830UE PSU-E C WH	7.9 W
910505100944	DN572B LED12S/840UE PSU-E C WH	7.9 W
910505100945	DN572B LED12S/830UE DIA-VLC-E C WH	7.9 W

Order Code	Full Product Name	Power Consumption
910505100946	DN572B LED12S/840UE DIA-VLC-E C WH	7.9 W
910505100947	DN572B LED20S/830UE PSU-E C WH	13 W
910505100948	DN572B LED20S/840UE PSU-E C WH	13 W
910505100949	DN572B LED20S/830UE DIA-VLC-E C WH	12.8 W
910505100950	DN572B LED20S/840UE DIA-VLC-E C WH	12.8 W
910505100951	DN572B LED24S/830UE PSU-E C WH	10.8 W
910505100952	DN572B LED24S/840UE PSU-E C WH	14.8 W
910505100953	DN572B LED24S/830UE DIA-VLC-E C WH	14.4 W
910505100954	DN572B LED24S/840UE DIA-VLC-E C WH	14.4 W

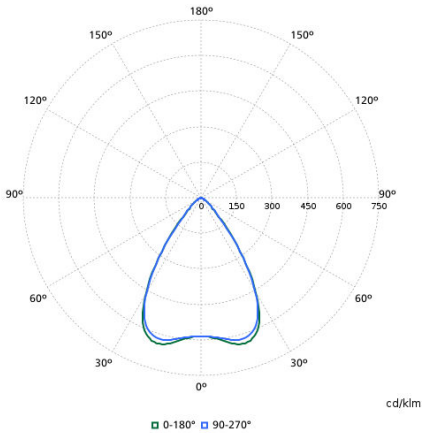
Controls and Dimming

Order Code	Full Product Name	Dimmable
910505100943	DN572B LED12S/830UE PSU-E C WH	No
910505100944	DN572B LED12S/840UE PSU-E C WH	No
910505100945	DN572B LED12S/830UE DIA-VLC-E C WH	Yes
910505100946	DN572B LED12S/840UE DIA-VLC-E C WH	Yes
910505100947	DN572B LED20S/830UE PSU-E C WH	No
910505100948	DN572B LED20S/840UE PSU-E C WH	No
910505100949	DN572B LED20S/830UE DIA-VLC-E C WH	Yes
910505100950	DN572B LED20S/840UE DIA-VLC-E C WH	Yes
910505100951	DN572B LED24S/830UE PSU-E C WH	No
910505100952	DN572B LED24S/840UE PSU-E C WH	No
910505100953	DN572B LED24S/830UE DIA-VLC-E C WH	Yes
910505100954	DN572B LED24S/840UE DIA-VLC-E C WH	Yes

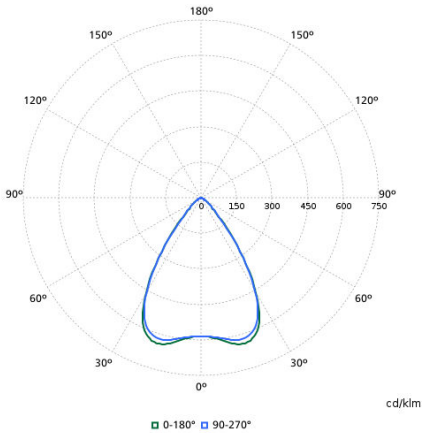
Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
910505100943	DN572B LED12S/830UE PSU-E C WH	(0.43, 0.40) SDCM <2
910505100944	DN572B LED12S/840UE PSU-E C WH	(0.38, 0.38) SDCM <2
910505100945	DN572B LED12S/830UE DIA-VLC-E C WH	(0.43, 0.40) SDCM <2
910505100946	DN572B LED12S/840UE DIA-VLC-E C WH	(0.38, 0.38) SDCM <2
910505100947	DN572B LED20S/830UE PSU-E C WH	(0.43, 0.40) SDCM <2
910505100948	DN572B LED20S/840UE PSU-E C WH	(0.38, 0.38) SDCM <2
910505100949	DN572B LED20S/830UE DIA-VLC-E C WH	(0.43, 0.40) SDCM <2
910505100950	DN572B LED20S/840UE DIA-VLC-E C WH	(0.38, 0.38) SDCM <2
910505100951	DN572B LED24S/830UE PSU-E C WH	(0.43, 0.40) SDCM <2
910505100952	DN572B LED24S/840UE PSU-E C WH	(0.38, 0.38) SDCM <2
910505100953	DN572B LED24S/830UE DIA-VLC-E C WH	(0.43, 0.40) SDCM <2
910505100954	DN572B LED24S/840UE DIA-VLC-E C WH	(0.38, 0.38) SDCM <2

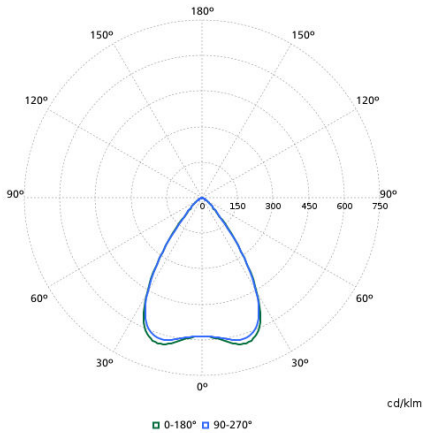
Polar normal diagrams



DN572B LED12S/830UE DIA-VLC-E C WH
910505100945



DN572B LED24S/830UE PSU-E C WH
910505100951



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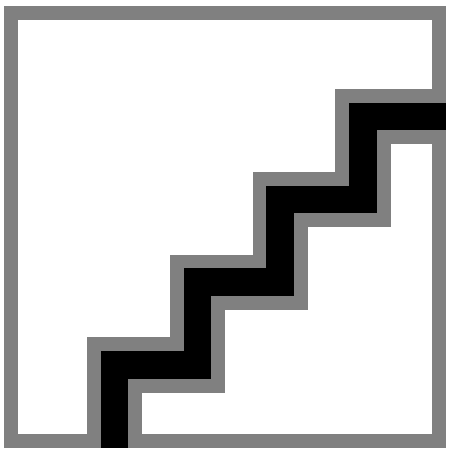

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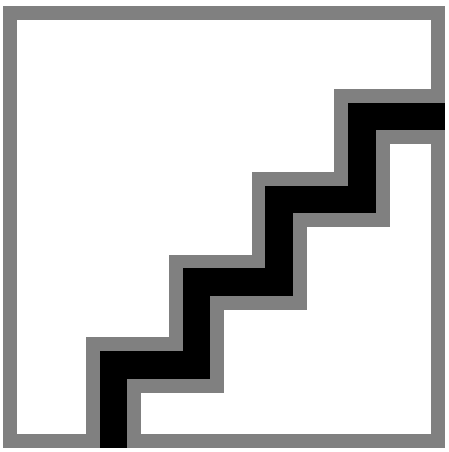

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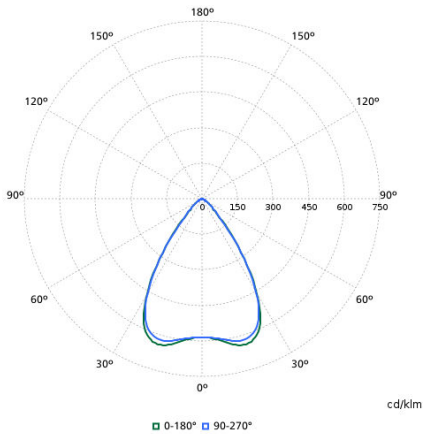

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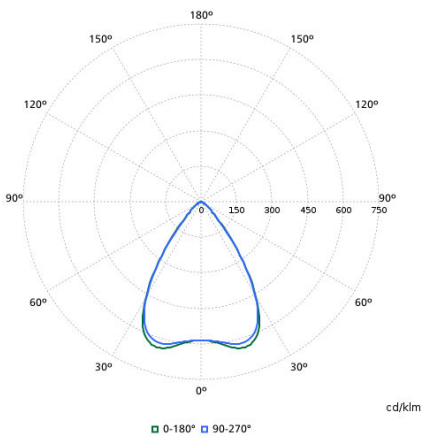

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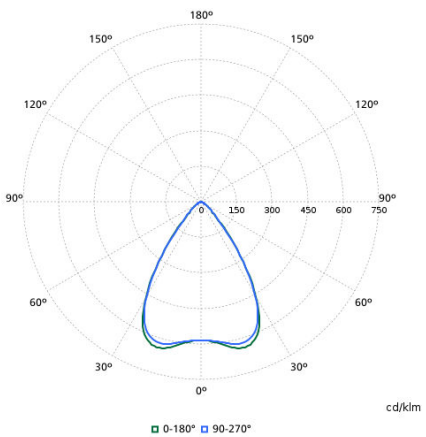

DN572B LED24S/840UE DIA-VLC-E C WH
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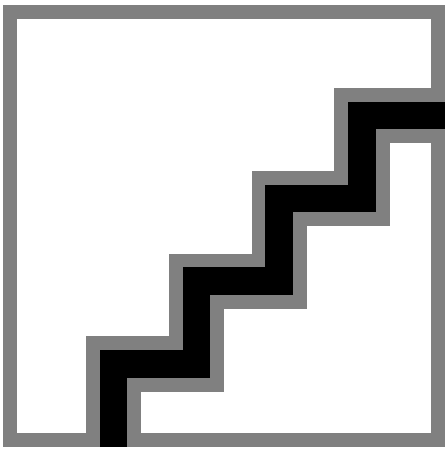

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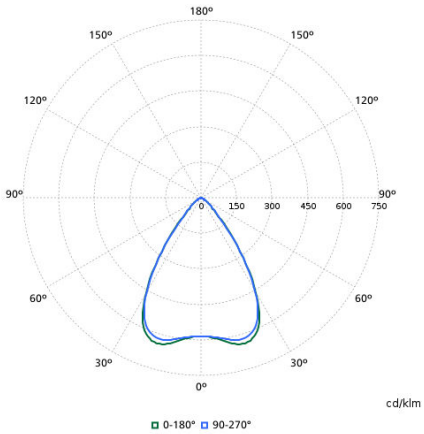

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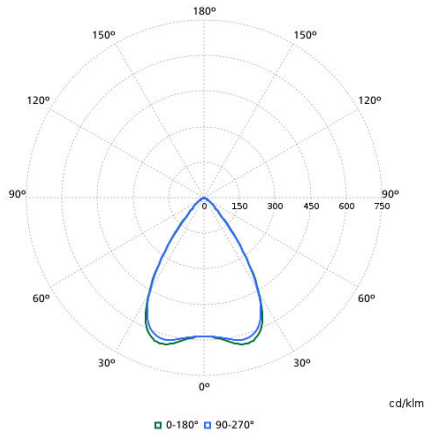

DN572B LED24S/840UE PSU-E C WH
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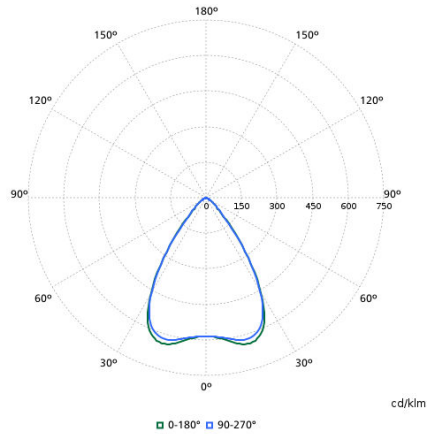

DN572B LED20S/830UE PSU-E C WH
910505100947

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