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

LuxSpace square, recessed

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
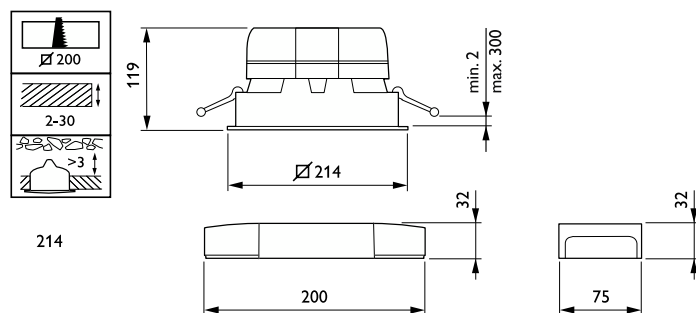
LuxSpace square, recessed

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

Application
· Offices
· Retail
· Hospitals
· Hotels
· Airports

Dimensional drawing

LuxSpace square, recessed

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 ℃, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Product family code	DN572B
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

Temperature

Ambient temperature range	+10 to +25 ℃

Mechanical and Housing

Housing Color	White

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%

Application Conditions

Suitable for random switching	Yes

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
97072700	DN572B LED12S/830 PSU-E C WH	3000 K	131 lm/W	1,300 lm
97073400	DN572B LED12S/840 PSU-E C WH	4000 K	141 lm/W	1,300 lm
97074100	DN572B LED12S/830 DIA-VLC-E C WH	3000 K	131 lm/W	1,300 lm
97075800	DN572B LED12S/840 DIA-VLC-E C WH	4000 K	141 lm/W	1,300 lm
97076500	DN572B LED20S/830 PSU-E C WH	3000 K	134 lm/W	2,200 lm
97077200	DN572B LED20S/840 PSU-E C WH	4000 K	149 lm/W	2,200 lm
97078900	DN572B LED20S/830 DIA-VLC-E C WH	3000 K	134 lm/W	2,200 lm
97079600	DN572B LED20S/840 DIA-VLC-E C WH	4000 K	149 lm/W	2,200 lm
97080200	DN572B LED24S/830 PSU-E C WH	3000 K	130 lm/W	2,600 lm
97081900	DN572B LED24S/840 PSU-E C WH	4000 K	141 lm/W	2,600 lm
97082600	DN572B LED24S/830 DIA-VLC-E C WH	3000 K	130 lm/W	2,600 lm
97083300	DN572B LED24S/840 DIA-VLC-E C WH	4000 K	141 lm/W	2,600 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
97072700	DN572B LED12S/830 PSU-E C WH	9.9 W
97073400	DN572B LED12S/840 PSU-E C WH	9.2 W
97074100	DN572B LED12S/830 DIA-VLC-E C WH	9.9 W
97075800	DN572B LED12S/840 DIA-VLC-E C WH	9.2 W
97076500	DN572B LED20S/830 PSU-E C WH	16.4 W
97077200	DN572B LED20S/840 PSU-E C WH	14.8 W

Order Code	Full Product Name	Power Consumption
97078900	DN572B LED20S/830 DIA-VLC-E C WH	16.4 W
97079600	DN572B LED20S/840 DIA-VLC-E C WH	14.8 W
97080200	DN572B LED24S/830 PSU-E C WH	20 W
97081900	DN572B LED24S/840 PSU-E C WH	18.4 W
97082600	DN572B LED24S/830 DIA-VLC-E C WH	20 W
97083300	DN572B LED24S/840 DIA-VLC-E C WH	18.4 W

Controls and Dimming

LuxSpace square, recessed

Order Code	Full Product Name	Dimmable
97072700	DN572B LED12S/830 PSU-E C WH	No
97073400	DN572B LED12S/840 PSU-E C WH	No
97074100	DN572B LED12S/830 DIA-VLC-E C WH	Yes
97075800	DN572B LED12S/840 DIA-VLC-E C WH	Yes
97076500	DN572B LED20S/830 PSU-E C WH	No
97077200	DN572B LED20S/840 PSU-E C WH	No

Order Code	Full Product Name	Dimmable
97078900	DN572B LED20S/830 DIA-VLC-E C WH	Yes
97079600	DN572B LED20S/840 DIA-VLC-E C WH	Yes
97080200	DN572B LED24S/830 PSU-E C WH	No
97081900	DN572B LED24S/840 PSU-E C WH	No
97082600	DN572B LED24S/830 DIA-VLC-E C WH	Yes
97083300	DN572B LED24S/840 DIA-VLC-E C WH	Yes

Initial Performance (IEC Compliant)

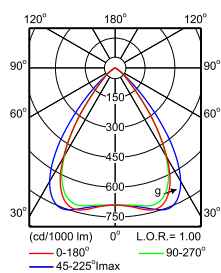| Order Code	Full Product Name	Initial chromaticity
97072700	DN572B LED12S/830 PSU-E C WH	(0.43, 0.40) SDCM <2
97073400	DN572B LED12S/840 PSU-E C WH	(0.38, 0.38) SDCM <2
97074100	DN572B LED12S/830 DIA-VLC-E C WH	(0.43, 0.40) SDCM <2
97075800	DN572B LED12S/840 DIA-VLC-E C WH	(0.38, 0.38) SDCM <2
97076500	DN572B LED20S/830 PSU-E C WH	(0.43, 0.40) SDCM <2
97077200	DN572B LED20S/840 PSU-E C WH	(0.38, 0.38) SDCM <2

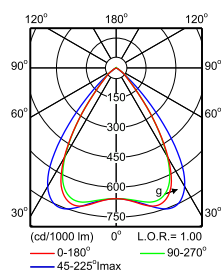| Order Code	Full Product Name	Initial chromaticity
97078900	DN572B LED20S/830 DIA-VLC-E C WH	(0.43, 0.40) SDCM <2
97079600	DN572B LED20S/840 DIA-VLC-E C WH	(0.38, 0.38) SDCM <2
97080200	DN572B LED24S/830 PSU-E C WH	(0.43, 0.40) SDCM <2
97081900	DN572B LED24S/840 PSU-E C WH	(0.38, 0.38) SDCM <2
97082600	DN572B LED24S/830 DIA-VLC-E C WH	(0.43, 0.40) SDCM <2
97083300	DN572B LED24S/840 DIA-VLC-E C WH	(0.38, 0.38) SDCM <2

Application Conditions

Order Code	Full Product Name	Maximum dim level
97072700	DN572B LED12S/830 PSU-E C WH	–
97073400	DN572B LED12S/840 PSU-E C WH	–
97074100	DN572B LED12S/830 DIA-VLC-E C WH	1%
97075800	DN572B LED12S/840 DIA-VLC-E C WH	1%
97076500	DN572B LED20S/830 PSU-E C WH	–
97077200	DN572B LED20S/840 PSU-E C WH	–

Order Code	Full Product Name	Maximum dim level
97078900	DN572B LED20S/830 DIA-VLC-E C WH	1%
97079600	DN572B LED20S/840 DIA-VLC-E C WH	1%
97080200	DN572B LED24S/830 PSU-E C WH	–
97081900	DN572B LED24S/840 PSU-E C WH	–
97082600	DN572B LED24S/830 DIA-VLC-E C WH	1%
97083300	DN572B LED24S/840 DIA-VLC-E C WH	1%

Polar Wide Diagrams

IFPS_DN572B PSE-E 1xLED12S/830 C-Polar
Normal (separate)

IFPS_DN572B PSE-E 1xLED24S/830 C-Polar
Normal (separate)

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2023, August 2 – data subject to change