



LuxSpace PoE – Intelligent energy- saving luminaire enabled for connected lighting systems

LuxSpace PoE

With Power-over-Ethernet (PoE) technology, LuxSpace PoE receives power and data over a single standard Ethernet cable, eliminating the need for separate power cabling. With the simple click of a connector, LuxSpace PoE luminaires become part of a complete, integrated connected lighting system, delivering extraordinary illumination experiences and value beyond illumination. A built-in lighting and control system gives office users personal control over their preferred light settings via a specially designed smartphone app. With integrated sensors, LuxSpace PoE luminaires can track activity patterns, daylight levels, and in the near future humidity, CO₂, temperature, or other data. This data allows facility managers to gain deep insight into building operations, helping them optimize the delivery of resources, enhance the experience and performance of occupants, and support improved asset management.

Benefits

- LED lighting and control system with breakthrough Total Cost of Ownership, reducing installation costs by around 25% and commissioning costs by around 50%
- Software applications optimize working processes, comfort, and asset utilization and management
- Clear customer benefits in both the construction and usage phases of a building

LuxSpace PoE

Features

- Data gathering on building usage via luminaire sensors
- Personal control of lighting and temperature settings
- Simpler and cheaper installation and lighting commissioning

Application

- General lighting for office buildings

Specifications

Type	DN560B (Low Height version) DN570B (Low height version) DN572B (Square version)
Ceiling type	Plaster (board) ceiling
Light source	Non replaceable LED module
Power	8.7 to 20 W (depending on configuration)
Luminous flux	1200 to 2600 lm (depending on configuration)
Correlated Color	3000 and 4000 K
Temperature	
Color Rendering Index	> 80
Lumen maintenance at median useful life*	L90
50000 h	
Control gear failure rate at median useful life	5%
50000 h	
Performance Ambient Temperature Tq	+25 °C

Operating temperature range	+10 to +40 °C
Driver	Separate
Power/Data supply	PoE (Power over Ethernet) driver
Mains voltage	54 V (PoE switch)
Dimming	Via PoE controller
Controls system input	PoE controller
Options	Rimless version for plaster ceiling
Material	Housing and rim: aluminum Reflector: plastic, with aluminum coated high-gloss and faceted optics
Color	Rim: white (RAL 9003), grey (RAL 9006), black (RAL 9004)
Optic	High-gloss mirror (C) Faceted reflector (F)
Connection	PoE connector CAT cable
Installation	Fixation by means of spring fasteners
Remarks	External driver included

Versions



LuxSpace2 Mini Low height recessed - LED Module, system flux 1200 lm



LuxSpace DN570B recessed downlight with high-gloss optic

LuxSpace PoE

Versions



LuxSpace DN571B recessed downlight with high-gloss optic



LuxSpace2 Square

Application Conditions

Ambient temperature range	+10 to +25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	48 to 54 V
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General Information

CE mark	CE mark
Protection class IEC	Safety class II
Driver included	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 850 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Optic type	High-gloss mirror
Service tag	Yes

Initial Performance (IEC Compliant)

Init. Color Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	White RAL 9003
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General Information

Order Code	Full Product Name	Product Family Code
910505100929	DN560B LED12S/830 POE-E C WH	DN560B
910505100930	DN560B LED12S/840 POE-E C WH	DN560B
910505100931	DN570B LED20S/830 POE-E C WH	DN570B
910505100932	DN570B LED20S/840 POE-E C WH	DN570B
910505100935	DN570B LED24S/830 POE-E C WH	DN570B
910505100936	DN570B LED24S/840 POE-E C WH	DN570B
910505100933	DN571B LED20S/830 POE-E C WH	DN571B
910505100934	DN571B LED20S/840 POE-E C WH	DN571B
910505100937	DN571B LED24S/830 POE-E C WH	DN571B
910505100938	DN571B LED24S/840 POE-E C WH	DN571B
910505100939	DN572B LED20S/830 POE-E C WH	DN572B
910505100940	DN572B LED20S/840 POE-E C WH	DN572B
910505100941	DN572B LED24S/830 POE-E C WH	DN572B
910505100942	DN572B LED24S/840 POE-E C WH	DN572B

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910505100929	DN560B LED12S/830 POE-E C WH	(0.43, 0.40)	3000 K	127 lm/W	1350 lm
910505100930	DN560B LED12S/840 POE-E C WH	(0.38, 0.38)	4000 K	138 lm/W	1350 lm
910505100931	DN570B LED20S/830 POE-E C WH	(0.43, 0.40)	3000 K	134 lm/W	2200 lm
910505100932	DN570B LED20S/840 POE-E C WH	(0.38, 0.38)	4000 K	149 lm/W	2200 lm
910505100935	DN570B LED24S/830 POE-E C WH	(0.43, 0.40)	3000 K	130 lm/W	2600 lm
910505100936	DN570B LED24S/840 POE-E C WH	(0.38, 0.38)	4000 K	141 lm/W	2600 lm
910505100933	DN571B LED20S/830 POE-E C WH	(0.43, 0.40)	3000 K	134 lm/W	2200 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910505100934	DN571B LED20S/840 POE-E C WH	(0.38, 0.38)	4000 K	149 lm/W	2200 lm
910505100937	DN571B LED24S/830 POE-E C WH	(0.43, 0.40)	3000 K	130 lm/W	2600 lm
910505100938	DN571B LED24S/840 POE-E C WH	(0.38, 0.38)	4000 K	141 lm/W	2600 lm
910505100939	DN572B LED20S/830 POE-E C WH	(0.43, 0.40)	3000 K	134 lm/W	2200 lm
910505100940	DN572B LED20S/840 POE-E C WH	(0.38, 0.38)	4000 K	149 lm/W	2200 lm
910505100941	DN572B LED24S/830 POE-E C WH	(0.43, 0.40)	3000 K	130 lm/W	2600 lm
910505100942	DN572B LED24S/840 POE-E C WH	(0.38, 0.38)	4000 K	141 lm/W	2600 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
910505100929	DN560B LED12S/830 POE-E C WH	10.6 W
910505100930	DN560B LED12S/840 POE-E C WH	9.8 W
910505100931	DN570B LED20S/830 POE-E C WH	16.4 W
910505100932	DN570B LED20S/840 POE-E C WH	14.8 W
910505100935	DN570B LED24S/830 POE-E C WH	20 W
910505100936	DN570B LED24S/840 POE-E C WH	18.4 W
910505100933	DN571B LED20S/830 POE-E C WH	16.4 W

Order Code	Full Product Name	Initial input power
910505100934	DN571B LED20S/840 POE-E C WH	14.8 W
910505100937	DN571B LED24S/830 POE-E C WH	20 W
910505100938	DN571B LED24S/840 POE-E C WH	18.4 W
910505100939	DN572B LED20S/830 POE-E C WH	16.4 W
910505100940	DN572B LED20S/840 POE-E C WH	14.8 W
910505100941	DN572B LED24S/830 POE-E C WH	20 W
910505100942	DN572B LED24S/840 POE-E C WH	18.4 W

