



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	DN570B (low height version) DN571B (deep version)
Ceiling type	Plaster (board) ceiling
Light source	Non replaceable LED module
Power	24.2 W
Luminous flux	2400 lm
Correlated Color	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 9010), grey, black (RAL 9005) or high-gloss metalized
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



LuxSpace DN570B recessed downlight with high-gloss optic

Application Conditions

Ambient temperature range	+10 to +25 °C
Maximum dim level	1%
Suitable for random switching	Yes (relates to presence/movement detection and daylight harvesting)

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

Cap-Base	-
CE mark	CE mark
Protection class IEC	Safety class III (III)
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Gear	-
Glow-wire test	850/5
Light source replaceable	No
Number of gear units	1 unit
Product Family Code	DN570B
UL mark	-

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.37) SDCM <3
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	White
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General Information

Order Code	Full Product Name	Lamp family code	Optic type
94351800	DN570B LED20S/840 POE F WH	LED20S	F
94354900	DN570B LED24S/840 POE C WH	LED24S	C

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
94351800	DN570B LED20S/840 POE F WH	136 lm/W	2200 lm	16.2 W
94354900	DN570B LED24S/840 POE C WH	137 lm/W	2600 lm	19 W

