

LuxSpace PoE

DN570B LED24S/840 POE F WH

LUXSPACE 2 COMPACT LOW HEIGHT - LED Module, system flux 2400 lm - 840 neutral white - Luminaire controller with power over Ethernet - Facetted reflector - RJ45 connector - White

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.

Product data

General Information	
Lamp family code	LED24S [LED Module, system flux 2400 lm]
Light source color	840 neutral white
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	Luminaire controller with power over Ethernet
Driver included	Yes

Optic type	Facetted reflector
Luminaire light beam spread	80°
Control interface	Power over Ethernet
Connection	RJ45 connector
Cable	-
Protection class IEC	Safety class III
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark

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ENEC mark	ENEC mark
UL mark	-
Warranty period	5 years
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	-
RoHS mark	-
Product family code	DN570B [LUXSPACE 2 COMPACT LOW HEIGHT]

Operating and Electrical

Input Voltage	48 to 54 V
Input Frequency	50 to 60 Hz
Inrush current	5 A
Inrush time	1 ms
Power Factor (Min)	1

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Frosted
Overall height	96.5 mm
Overall diameter	214 mm

Approval and Application

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

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	2600 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	130 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.38, 0.37) SDCM <3
Initial input power	20 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L90

Application Conditions

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

Product Data

Full product code	871829194355600
Order product name	DN570B LED24S/840 POE F WH
EAN/UPC - Product	8718291943556
Order code	910503706668
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910503706668
Net Weight (Piece)	1.080 kg

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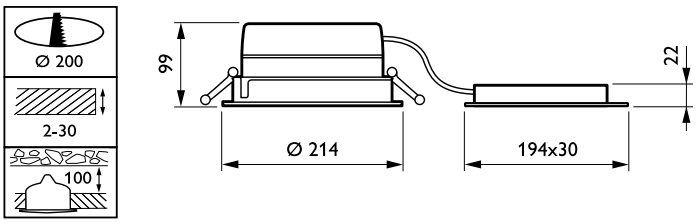
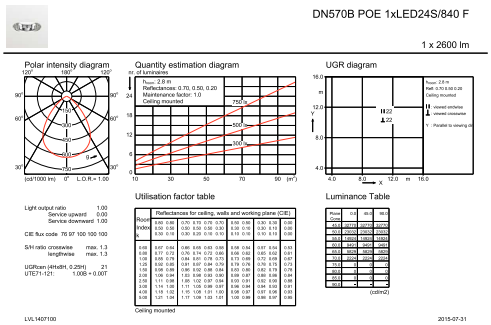
Dimensional drawing



LuxSpace gen2 DN570B-DN572B

Photometric data



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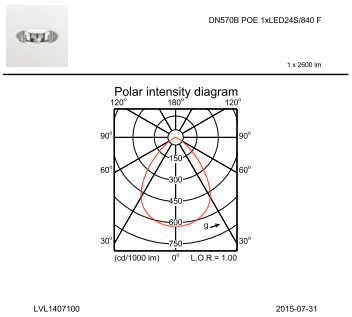

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