LuxSpace PoE

DN572B LED20S/830 POE C WH

LuxSpace PoE, 15.2 W, 2000 lm, 3000 K, Power over Ethernet, Frosted

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	LED20S [LED Module, system flux 2000 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	–
Driver included	Yes
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.
Product family code	DN572B [LuxSpace2 Square]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 ℃, duration 5 s

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EU RoHS compliant	No

Light Technical

Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	132 lm/W
Color rendering index (CRI)	>80
Light source color	830 warm white
Optic type	High-gloss mirror
Luminaire light beam spread	80°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	48 to 54 V
Line Frequency	50 to 60 Hz
Inrush current	5 A
Inrush time	1 ms
Power Consumption	15.2 W
Power Factor (Fraction)	1
Connection	RJ45 connector
Cable	–
Number of products on MCB of 16 A type B	–

Temperature

Ambient temperature range	+10 to +25 ℃

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Luminaire controller with power over Ethernet
Control interface	Power over Ethernet
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Steel

Housing Color	White RAL 9003
Optical cover finish	Frosted
Overall length	214 mm
Overall width	214 mm
Overall height	119 mm
Dimensions (Height x Width x Depth)	119 x 214 x 214 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class III

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <3
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

Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	DN572B LED20S/830 POE C WH
Full product name	DN572B LED20S/830 POE C WH
Full product code	871829194361700
Order code	910503706674
Material Nr. (12NC)	910503706674
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718291943617
Numerator – Packs per outer box	1
EAN/UPC – Case	8718291943617

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Dimensional drawing