LuxSpace PoE

DN570B LED24S/840 POE C WH

LuxSpace PoE, 19 W, 2600 lm, 4000 K, Power over Ethernet, Frosted

With Power-over-Ethernet (PoE) technology, LuxSpace Interact 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 Interact 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 Interact PoE luminaires can track activity patterns, daylight levels, and in the near future humidity, CO2, and temperature data. This data allows facility managers to gain deep insight into building operations, helping them optimise 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]
Cap base	– [-]
Light source replaceable	No
Number of gear units	Unit
Gear	–
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Product family code	DN570B [LUXSPACE 2 COMPACT LOW HEIGHT]
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

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Glow-wire test	Temperature 850 °C, duration 5 s		Fixation material	Steel
EU RoHS compliant	No		Housing Colour	White RAL 9003
			Optical cover/lens finish	Frosted
Light Technical			Overall height	96.5 mm
Luminous Flux	2,600 lm		Overall diameter	214 mm
Correlated Colour Temperature	4000 K			
Luminous efficacy (rated) (nom.)	137 lm/W		**Approval and Application**	
Colour rendering index (CRI)	>80		Ingress protection code	IP20 [Finger-protected]
Light source colour	840 neutral white		Mech. impact protection code	IK02 [0.2 J standard]
Optic type	High-gloss mirror		Protection class IEC	Safety class III
Luminaire light beam spread	80°			
Unified Glare Rating (CEN)	22		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-10%
Operating and Electrical			Initial chromaticity	(0.38, 0.37) SDCM <3
Input Voltage	48 to 54 V		Power consumption tolerance	+/-10%
Line Frequency	50 to 60 Hz			
Inrush current	5 A		**Over Time Performance (IEC Compliant)**	
Inrush time	1 ms		Control gear failure rate at median useful life 50,000 h	5 %
Power Consumption	19 W			
Power Factor (Fraction)	1		Lumen maintenance at median useful life* 50,000 h	L90
Connection	RJ45 connector			
Cable	–			
Number of products on MCB of 16 A type B	–		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Temperature			Maximum dim level	1%
Ambient temperature range	+10 to +25 °C		Suitable for random switching	Yes
Controls and Dimming			**Product Data**	
Dimmable	Yes		Order product name	DN570B LED24S/840 POE C WH
Driver/power unit/transformer	Luminaire controller with power over Ethernet		Full product name	DN570B LED24S/840 POE C WH
Control interface	Power over Ethernet		Full EOC	871829194354900
Constant light output	No		Order code	94354900
			Material no. (12 NC)	910503706667
Mechanical and Housing			SAP numerator – quantity per pack	1
Housing material	Aluminium die cast		EAN/UPC — Product/Case	8718291943549
Reflector material	Aluminium and polycarbonate		Numerator – packs per outer box	1
Optic material	Polycarbonate		EAN/UPC – Case	8718291943549
Optical cover/lens material	Polycarbonate			

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Dimensional drawing

Ø 200

2-30

100

99

Ø 214

194x30

22