



Maxos fusion Office

SM970X 45S/840 DIA D/I MXO W19L114 WH

Maxos fusion Office, Trunking mounted, 32 W, 1139x186 mm, 4500 lm, 4000 K, DALI, Interact Ready, UGR16, TP(b)

Maxos fusion is an adaptable LED trunk mounted luminaire that offers an excellent quality of light. It's an efficient and flexible lighting solution that can be used in a variety of applications including industrial, commercial and office environments, offering a range of lighting options to meet different requirements. With the freedom to position these fixtures as required and the integration of other services/third-party hardware, the system allows you to reduce ceiling clutter. It can also be easily re-configured to accommodate future lay-out changes. The infrastructure is enabled to integrate sensors for data collection, giving you the opportunity to use insightful granular information to support your business.

Warnings and Safety

- The product is IP20 and, as such, is not protected against water ingress. Therefore, we strongly recommend that the environment in which the luminaire is to be installed is suitably checked.
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure and the product warranty will become void

Product data

General Information	
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Performance
Warranty period	5 years
Sustainability rating	Lighting for circularity

Light Technical	
Luminous Flux	4,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	100°
Unified glare rating CEN	16

Indirect glare reduction measure for Display Screen Equipment (EN 12464-2021)	L65≤3000 cd/m²
---	----------------

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	23.1 A
Inrush time	0.221 ms
Power Consumption	32 W
Power Factor (Fraction)	0.9
Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	22
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready
Control interface	DALI
Constant light output	No
DALI Standard	D4i™ DALI-2™
Maximum dim level	1%
Connectivity	Interact Ready

Mechanical and Housing

Housing Material	Steel
Reflector material	Steel
Optic material	Steel
Optical cover material	Polystyrene
Fixation material	Steel
Housing Color	White
Optical cover finish	Micro-hexagonal optic
Overall length	1,139 mm
Overall width	186 mm
Overall height	111 mm
Dimensions (Height x Width x Depth)	111 x 186 x 1139 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	5.300 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
----------------	-----------------------------------

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Ambient temperature range	0 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 100000 h	L80

Product Data

Order product name	SM970X 45S/840 DIA D/I MXO W19L114 WH
Full product name	SM970X 45S/840 DIA D/I MXO W19L114 WH
Full product code	872016962222700
Order code	910505103994
Material Nr. (12NC)	910505103994
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169622227
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169622227
Product family code	SM970X [Maxos fusion Office]

Maxos fusion Office

Dimensional drawing

