



Maxos fusion

LL512X LED31S/840 PSD PCO 7 WH

Maxos fusion Panel, 840 neutral white, Power supply unit with DALI interface, Opal, White

Maxos fusion is an adaptable LED trunking system that offers an excellent quality of light while more than halving energy costs compared to fluorescent lamps. For retail applications, a family of linear panels, non-linear modules and a spot portfolio can be smoothly integrated into the track backbone to let your merchandise sparkle and stand out. For industrial applications, the focus is on reducing installation and maintenance cost by using fewer linear panels. With the electrical set-up of up to 13 wires, 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.

Product data

| General Information | | | |
|--------------------------|--|---------------------|---|
| Light source replaceable | No | Lighting Technology | LED |
| Number of gear units | 1 unit | Value ladder | Specification |
| Driver included | Yes | CE mark | 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. | Warranty period | 5 years |
| Product family code | LL512X [Maxos fusion Panel] | Flammability mark | For mounting on normally flammable surfaces |
| | | ENEC mark | ENEC mark |
| | | Glow-wire test | Temperature 850 °C, duration 30 s |
| | | EU RoHS compliant | Yes |
| | | Light Technical | |
| | | Luminous Flux | 2,700 lm |

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| | |
|---|-------------------|
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 129 lm/W |
| Color rendering index (CRI) | >80 |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1 |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 840 neutral white |
| Optic type | Opal |
| Luminaire light beam spread | 180° |
| Unified glare rating CEN | 25 |

Operating and Electrical

| | |
|--|------------------------|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 21 A |
| Inrush time | 0.28 ms |
| Power Consumption | 21 W |
| Power Factor (Fraction) | 0.97 |
| Connection | Connection unit 7-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +35 °C |
|---------------------------|---------------|

Controls and Dimming

| | |
|-------------------------------|---------------------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |

Mechanical and Housing

| | |
|------------------------|---------------|
| Housing Material | Steel |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Steel |
| Housing Color | White |
| Optical cover finish | Opal |
| Overall length | 1,138 mm |
| Overall width | 66 mm |

| | |
|-------------------------------------|-------------------|
| Overall height | 35 mm |
| Dimensions (Height x Width x Depth) | 35 x 66 x 1138 mm |

Approval and Application

| | |
|------------------------------|--------------------------|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Sustainability rating | Lighting for circularity |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

| | |
|-----------------------------|---------------------|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.34 0.35) SDCM <3 |
| Power consumption tolerance | +/-11% |

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 | L95 |
| Lumen maintenance at median useful life* 100000 h | L85 |

Application Conditions

| | |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Not applicable |

Product Data

| | |
|---------------------------------|--------------------------------|
| Order product name | LL512X LED31S/840 PSD PCO 7 WH |
| Full product name | LL512X LED31S/840 PSD PCO 7 WH |
| Full product code | 871869638411400 |
| Order code | 910925864293 |
| Material Nr. (12NC) | 910925864293 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696384114 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696384114 |

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Dimensional drawing

