

# Maxos fusion

## LL523X LED160S/830 PSD MB 7 WH

Maxos fusion Panel - 830 warm white - Power supply unit with DALI interface - Medium beam - 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 an 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 layout 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 | |
|---|---|
| **Beam angle of light source** | 120 ° |
| **Light source colour** | 830 warm white |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Driver/power unit/transformer** | PSD [ Power supply unit with DALI interface] |
| **Driver included** | Yes |
| **Optic type** | MB [ Medium beam] |
| **Luminaire light beam spread** | 66° x 80° |
| **Control interface** | DALI |
| **Connection** | Connection unit 7-pole |

| | |
|---|---|
| **Cable** | - |
| **Protection class IEC** | Safety class I |
| **Glow-wire test** | Temperature 850 °C, duration 30 s |
| **Flammability mark** | F [ For mounting on normally flammable surfaces] |
| **CE mark** | CE mark |
| **ENEC mark** | ENEC mark |
| **Warranty period** | 5 years |
| **Constant light output** | No |
| **Number of products on MCB** | 12 |
| **RoHS mark** | RoHS mark |
| **Product Family Code** | LL523X [ Maxos fusion Panel] |

# Maxos fusion

| | |
|---|---|
| **Unified glare rating CEN** | 25 |

## Operating and Electrical

| | |
|---|---|
| **Input voltage** | 220-240 V |
| **Input frequency** | 50 to 60 Hz |
| **Inrush current** | 5.1 A |
| **Inrush time** | 0.76 ms |
| **Power factor (min.)** | 0.99 |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |

## Mechanical and Housing

| | |
|---|---|
| **Housing material** | Steel |
| **Reflector material** | - |
| **Optic material** | Polycarbonate |
| **Optical cover/lens material** | Polycarbonate |
| **Fixation material** | Steel |
| **Optical cover/lens finish** | Textured |
| **Overall length** | 2276 mm |
| **Overall width** | 80 mm |
| **Overall height** | 15 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** | 16000 lm |
| **Luminous flux tolerance** | +/-7% |
| **Initial LED luminaire efficacy** | 128 lm/W |
| **Init. Corr. colour temperature** | 3000 K |
| **Init. colour rendering index** | >80 |
| **Initial chromaticity** | (0.4314,0.4000) SDCM |
| **Initial input power** | 125 W |
| **Power consumption tolerance** | +/-11% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 5 % |
| **Lumen maintenance at median useful life* 50000 h** | L80 |

## Application Conditions

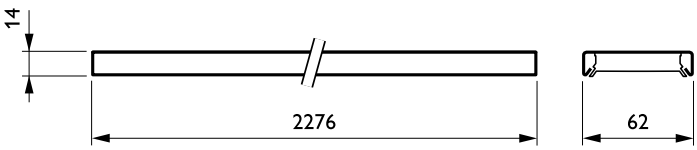
| | |
|---|---|
| **Ambient temperature range** | -20 to +35 °C |
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dimming level** | 1% |
| **Suitable for random switching** | Not applicable |

## Product Data

| | |
|---|---|
| **Full product code** | 871869944807300 |
| **Order product name** | LL523X LED160S/830 PSD MB 7 WH |
| **EAN/UPC – product** | 8718699448073 |
| **Order code** | 44807300 |
| **Numerator – quantity per pack** | 1 |
| **Numerator – packs per outer box** | 1 |
| **Material no. (12NC)** | 910925865540 |
| **Net weight (piece)** | 2.400 kg |




## Dimensional drawing




**Maxos Fusion Panel LL512X-LL623X**

## Maxos fusion




© 2019 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2019, February 28 - data subject to change