



# Maxos fusion

## LL523X LED123S/840 PSD WB 7 WH XA

Maxos fusion, trunking light unit, Xtra (lm/W and lifetime), 68 W, L2276 mm, 12300 lm, 4000 K, DALI, Wide beam, Textured, White, IP20

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      |               | Operating and Electrical           |                   |
|--------------------------|---------------|------------------------------------|-------------------|
| Light source replaceable | No            | Correlated Color Temperature (Nom) | 4000 K            |
| Number of gear units     | 1 unit        | Luminous Efficacy (rated) (Nom)    | 181 lm/W          |
| Driver included          | Yes           | Color rendering index (CRI)        | >80               |
| Service tag              | Yes           | Beam angle of light source         | 120 degree(s)     |
| Lighting Technology      | LED           | Light source color                 | 840 neutral white |
| Value ladder             | Specification | Optic type                         | Wide beam         |
| Warranty period          | 5 years       | Luminaire light beam spread        | 85° x 85°         |
|                          |               | Unified glare rating CEN           | 22                |
| Light Technical          |               | Operating and Electrical           |                   |
| Luminous Flux            | 12,300 lm     | Input Voltage                      | 220-240 V         |

## Maxos fusion

|  |                        |
|--|------------------------|
| Line Frequency                           | 50 to 60 Hz            |
| Inrush current                           | 4,5 A                  |
| Inrush time                              | 1 ms                   |
| Power Consumption                        | 68 W                   |
| Power Factor (Fraction)                  | 0.98                   |
| Connection                               | Connection unit 7-pole |
| Cable                                    | -                      |
| Number of products on MCB of 16 A type B | 18                     |
| Suitable for random switching            | Not applicable         |
| Protection class IEC                     | Safety class I         |
| Total harmonic distortion                | 5 %                    |

### Controls and Dimming

|                               |                                       |
|-------------------------------|---------------------------------------|
| Dimmable                      | Yes                                   |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface             | DALI                                  |
| Constant light output         | No                                    |
| DALI Standard                 | DALI-2™                               |
| Maximum dim level             | 1%                                    |

### Mechanical and Housing

|                                     |                         |
|-------------------------------------|-------------------------|
| Housing Material                    | Steel                   |
| Reflector material                  | -                       |
| Optic material                      | Polycarbonate           |
| Optical cover material              | Polycarbonate           |
| Fixation material                   | Steel                   |
| Housing Color                       | White                   |
| Optical cover finish                | Textured                |
| Overall length                      | 2,276 mm                |
| Overall width                       | 62 mm                   |
| Overall height                      | 14 mm                   |
| Dimensions (Height x Width x Depth) | 14 x 62 x 2276 mm       |
| Ingress protection code             | IP20 [Finger-protected] |
| Mech. impact protection code        | IK02 [0.2 J standard]   |
| Net Weight (Piece)                  | 2.400 kg                |

### Approval and Application

|   |   |
|---|---|
| Glow-wire test  | Temperature 850 °C, duration 30 s           |
| Flammability mark   | For mounting on normally flammable surfaces |
| CE mark   | Yes   |
| ENEC mark   | ENEC mark                                   |
| EU RoHS compliant   | Yes   |
| Performance ambient temperature Tq                              | 25 °C                                       |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1   |
| Stroboscopic effect visibility measure (SVM)                    | 0,4   |
| Ambient temperature range                                       | -20 to +35 °C                               |

### Initial Performance (IEC Compliant)

|                         |       |
|-------------------------|-------|
| Luminous flux tolerance | +/-7% |
|-------------------------|-------|

|  |                      |
|--|----------------------|
| Initial chromaticity                                   | (0.34, 0.35) SDCM <3 |
| Power consumption tolerance                            | +/-11%               |
| 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 (EN-IEC 62722-2-1) at median useful life* 50000 h  | L95  |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L85  |

### Sustainability Data

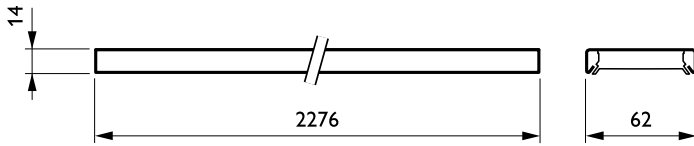
|  |   |
|--|---|
| Sustainability rating                                | Signify Circle  |
| Repair class   | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3)                              | 25.6 kg CO <sub>2</sub> e   |
| Product non-virgin material ratio                    | 16 %  |
| Recyclable content ratio of the finished product     | 57.5 %  |
| GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit   | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)  |
| GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh)   |

### Product Data

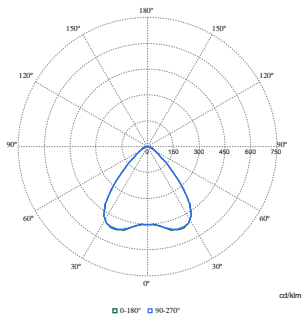
|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | LL523X LED123S/840 PSD WB 7 WH XA |
| Full product name               | LL523X LED123S/840 PSD WB 7 WH XA |
| Full product code               | 871951414505400                   |
| Order code                      | 910925867816                      |
| Material Nr. (12NC)             | 910925867816                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8719514145054                     |
| Numerator - Packs per outer box | 1                                 |
| EAN/UPC - Case                  | 8719514145054                     |
| Product family code             | LL523X [Maxos fusion Panel]       |

# Maxos fusion

## Dimensional drawing



## Photometric data



Polar Normal (separate) - LL500XI - 910925867816

