



# Maxos unify

## LL551X 40S/840 UE DIA WB BK

Maxos unify, trunking light unit, UltraEfficient, 20.5 W, 1478 mm, 4000 lm, 4000 K, DALI, Interact Ready, Wide beam, Textured, Black, IP20

trunking light unit, UltraEfficient, 1478 mm, Steel, Black, Signal black (RAL9004), Dali dimming Interact System ready, 4000 lm, 20.5 W, 195 lm/W, 4000 K, (0.34. 0.35) SDCM <3, UGR19, Wide beam, Textured, Polymethyl methacrylate, IP20 | Finger-protected, IK03 | 0.3 J, Safety class I, Connection unit 7-pole

### Product data

| General Information                |                   |
|------------------------------------|-------------------|
| Number of gear units               | 1 unit            |
| Driver included                    | Yes               |
| Value ladder                       | Specification     |
| Warranty period                    | 5 years           |
| Light Technical                    |                   |
| Luminous Flux                      | 4,000 lm          |
| Correlated Color Temperature (Nom) | 4000 K            |
| Luminous Efficacy (rated) (Nom)    | 195 lm/W          |
| Color rendering index (CRI)        | >80               |
| Beam angle of light source         | 120 degree(s)     |
| Light source color                 | 840 neutral white |
| Optic type                         | Wide beam         |
| Luminaire light beam spread        | 57° x 76°         |
| Unified glare rating CEN           | 19                |

| Operating and Electrical                 |                                    |
|--|------------------------------------|
| Input Voltage                            | 220-240 V                          |
| Line Frequency                           | 50 to 60 Hz                        |
| Inrush current                           | 36 A                               |
| Inrush time                              | 0.130 ms                           |
| Power Consumption                        | 20.5 W                             |
| Power Factor (Fraction)                  | 0.98                               |
| Connection                               | Connection unit 7-pole             |
| Cable                                    | -                                  |
| Number of products on MCB of 16 A type B | 25                                 |
| 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            | Dali dimming Interact System ready |

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|                       |                |
|-----------------------|----------------|
| Control interface     | DALI           |
| Constant light output | No             |
| DALI Standard         | DALI-2™        |
| Maximum dim level     | 1%             |
| Connectivity          | Interact Ready |

## Mechanical and Housing

|                                     |                         |
|-------------------------------------|-------------------------|
| Housing Material                    | Steel                   |
| Reflector material                  | -                       |
| Optic material                      | Polymethyl methacrylate |
| Optical cover material              | Polymethyl methacrylate |
| Fixation material                   | Steel                   |
| Housing Color                       | Black                   |
| Optical cover finish                | Textured                |
| Overall length                      | 1,478 mm                |
| Overall width                       | 62 mm                   |
| Overall height                      | 14 mm                   |
| Dimensions (Height x Width x Depth) | 14 x 62 x 1478 mm       |
| Ingress protection code             | IP20 [Finger-protected] |
| Mech. impact protection code        | IK03 [0.3 J]            |
| Net Weight (Piece)                  | 1.560 kg                |

## Emergency Operation

|                    |    |
|--------------------|----|
| Central Emergency  | No |
| Emergency lighting | -  |

## 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                                       |
| 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

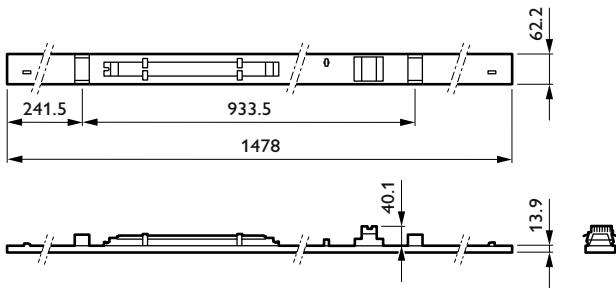
|  |   |
|--|---|
| Sustainability rating                                | Signify Circle  |
| Repair class   | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3)                              | 10.5 kg CO <sub>2</sub> e   |
| Product non-virgin material ratio                    | 14.7 %  |
| Recyclable content ratio of the finished product     | 50.6 %  |
| 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)   |
| Non-virgin material ratio of the packaging           | Cardboard > 80% recycled  |
| Packaging Recyclable content ratio                   | Cardboard recycling rate > 80%  |
| Packaging Material                                   | Cardboard   |

## Product Data

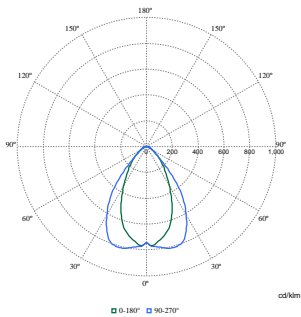
|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | LL551X 40S/840 UE DIA WB BK       |
| Full product name               | LL551X 40S/840 UE DIA WB BK       |
| Full product code               | 872016995499100                   |
| Order code                      | 910925870846                      |
| Material Nr. (12NC)             | 910925870846                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8720169954991                     |
| Numerator - Packs per outer box | 1                                 |
| EAN/UPC - Case                  | 8720169954991                     |
| Product family code             | LL551X [Maxos unify panel 1478mm] |

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - LL550XI - 910925870846

