

Professional streetlight luminaire for LED light sources.

#### TECHNICAL DATA

**Mounting:** on outriggers ø60/48mm, on pillar ø60/48mm

**Body:** high pressure die-cast aluminum

**Lateral Surface Wind Exposed:** 0.033 m<sup>2</sup>

**Colour:** gray

**Diffuser:** tempered glass

#### ELECTRICAL DATA

**Power supply efficiency:** >90%

**Power:** 220-240V 50/60Hz

**Includes light source:** yes

**Type of equipment:** ED, DALI

**Electrical connection:** luminaire equipped with 3x1.5 mm<sup>2</sup> wire with a length of 50 cm, luminaire equipped with 5x1.5 mm<sup>2</sup> wire with a length of 50 cm, luminaire equipped with 2x1.5 mm<sup>2</sup> wire with a length of 50 cm, luminaire equipped with 4x1.5 mm<sup>2</sup> wire with a length of 50 cm

#### OPTICAL DATA

**Way of lighting:** direct

**Type of optic:** O46 - for express roads, O41 - for local roads, O42 - for town roads, O43 - for residential area roads, O44L - for pedestrian crossings, left side traffic, O44P - for pedestrian crossings, right side traffic, O45 - for area lighting, O47 - for town and local roads, O48 - for wet surfaces, O27 - for local roads, O28 - for express roads, O29 - for town roads, O30 - for residential area roads, O32 - for parks and parking lots

**ULOR / DLOR:** 0% / 100%

#### GENERAL DATA

**Available on request:** DIM 1..10V, LLOC, twilight sensor, 10kV surge protection, NTC

**Additional information:** Tilt adjustment: -10° to 90° (every 5°)

**Other remarks:** the pole and boom are not part of the luminaire; luminaire available in protection class I and II

**Warranty:** 5 years

**Application:** local roads, express roads, town roads, residential area roads, area lighting, avenues, promenade, parking areas



| Code  | Luminaire power [W] | Lumen luminaire [lm] | Efficacy [lm/W] | Colour temperature [K] | CRI/Ra | Operating temperature range [°C] | LED lifetime [h] |
|---|---------------------|----------------------|-----------------|------------------------|--------|----------------------------------|------------------|
| <b>Type: O46, O41, O42, O43, O44L, O44P, O45, O47, O48 optics</b> |                     |                      |                 |                        |        |                                  |                  |
| 130292.XL13X.XX1  | 23                  | 3200                 | 139             | 3000                   | >70    | -40 ... +55                      | (L90) 100 000    |
| 130292.XL14X.XX1  | 35                  | 4900                 | 140             | 3000                   | >70    | -40 ... +50                      | (L90) 100 000    |
| 130292.XL15X.XX1  | 50                  | 7200                 | 144             | 3000                   | >70    | -40 ... +50                      | (L90) 100 000    |
| 130292.XL16X.XX1  | 68                  | 9450                 | 139             | 3000                   | >70    | -40 ... +45                      | (L90) 100 000    |
| 130292.XL09X.XX1  | 23                  | 3450                 | 150             | 4000                   | >70    | -40 ... +55                      | (L90) 100 000    |
| 130292.XL10X.XX1  | 35                  | 5300                 | 151             | 4000                   | >70    | -40 ... +50                      | (L90) 100 000    |
| 130292.XL11X.XX1  | 50                  | 7750                 | 155             | 4000                   | >70    | -40 ... +50                      | (L90) 100 000    |
| 130292.XL12X.XX1  | 68                  | 10150                | 149             | 4000                   | >70    | -40 ... +45                      | (L90) 100 000    |
| <b>Type: O27, O28, O29, O30, O32 optics</b>                       |                     |                      |                 |                        |        |                                  |                  |
| 130292.XL05X.XX1  | 19                  | 2250                 | 118             | 3000                   | >70    | -40 ... +55                      | (L75) 100 000    |
| 130292.XL06X.XX1  | 36                  | 4350                 | 121             | 3000                   | >70    | -40 ... +50                      | (L75) 100 000    |
| 130292.XL07X.XX1  | 53                  | 6600                 | 125             | 3000                   | >70    | -40 ... +50                      | (L75) 100 000    |
| 130292.XL08X.XX1  | 69                  | 8600                 | 125             | 3000                   | >70    | -40 ... +45                      | (L75) 100 000    |
| 130292.XL01X.XX1  | 19                  | 2350                 | 124             | 4000                   | >70    | -40 ... +55                      | (L75) 100 000    |
| 130292.XL02X.XX1  | 36                  | 4600                 | 128             | 4000                   | >70    | -40 ... +50                      | (L75) 100 000    |
| 130292.XL03X.XX1  | 53                  | 6950                 | 131             | 4000                   | >70    | -40 ... +50                      | (L75) 100 000    |
| 130292.XL04X.XX1  | 69                  | 9050                 | 131             | 4000                   | >70    | -40 ... +45                      | (L75) 100 000    |

Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

Up-to-date product info and General Warranty Terms available on our website [www.luglightfactory.com](http://www.luglightfactory.com)

Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for Ta=25°C.

The operating temperature ranges apply only to luminaires used in the outdoor environment.

130292.  L01  .  1

Type of optic

- 01 O27 - for local roads
- 02 O28 - for express roads
- 03 O29 - for town roads
- 04 O30 - for residential area roads
- 05 O32 - for parks and parking lots
- 06 O46 - for express roads
- 07 O41 - for local roads
- 08 O42 - for town roads
- 09 O43 - for residential area roads
- 10 O44L - for pedestrian crossings, left side traffic
- 11 O44P - for pedestrian crossings, right side traffic
- 12 O45 - for area lighting
- 13 O47 - for town and local roads
- 14 O48 - for wet surfaces

Protection Class

- 1 I
- 2 II

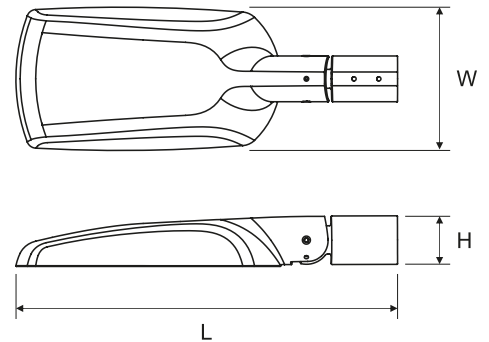
Type of equipment

- 3 DALI
- 5 ED

| Code  | Dimensions [mm]<br>L W H | Pallet<br>quantity | Quantity in<br>package | Net weight<br>[kg] |
|---|--------------------------|--------------------|------------------------|--------------------|
| <b>Type: O46, O41, O42, O43, O44L, O44P, O45, O47, O48 optics</b> |                          |                    |                        |                    |
| 130292.XL13X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |
| 130292.XL14X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |
| 130292.XL15X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |
| 130292.XL16X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |
| 130292.XL09X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |
| 130292.XL10X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |
| 130292.XL11X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |
| 130292.XL12X.XX1  | 615 230 80               | 70                 | 1                      | 4.1                |

**Type: O27, O28, O29, O30, O32 optics**

|                  |            |    |   |     |
|------------------|------------|----|---|-----|
| 130292.XL05X.XX1 | 615 230 80 | 70 | 1 | 4.1 |
| 130292.XL06X.XX1 | 615 230 80 | 70 | 1 | 4.1 |
| 130292.XL07X.XX1 | 615 230 80 | 70 | 1 | 4.1 |
| 130292.XL08X.XX1 | 615 230 80 | 70 | 1 | 4.1 |
| 130292.XL01X.XX1 | 615 230 80 | 70 | 1 | 4.1 |
| 130292.XL02X.XX1 | 615 230 80 | 70 | 1 | 4.1 |
| 130292.XL03X.XX1 | 615 230 80 | 70 | 1 | 4.1 |
| 130292.XL04X.XX1 | 615 230 80 | 70 | 1 | 4.1 |

**OTHER PICTURES**


Luminous flux tolerance +/- 10%.

Power tolerance +/- 5%.

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## ACCESSORIES



150170.01022 2 field connectors IP68

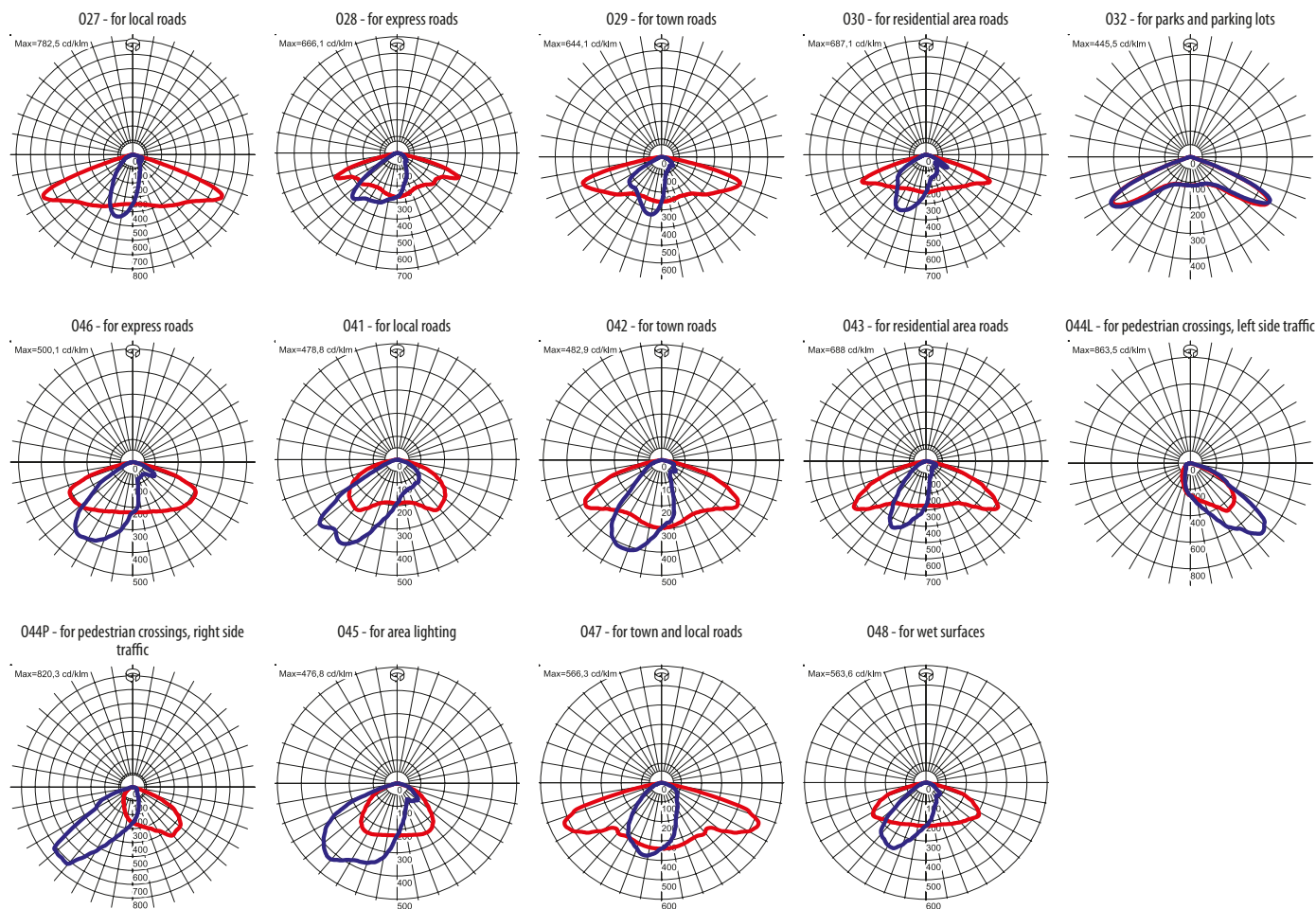
150170.01023 3 field connectors IP68

150170.01024 4 field connectors IP68

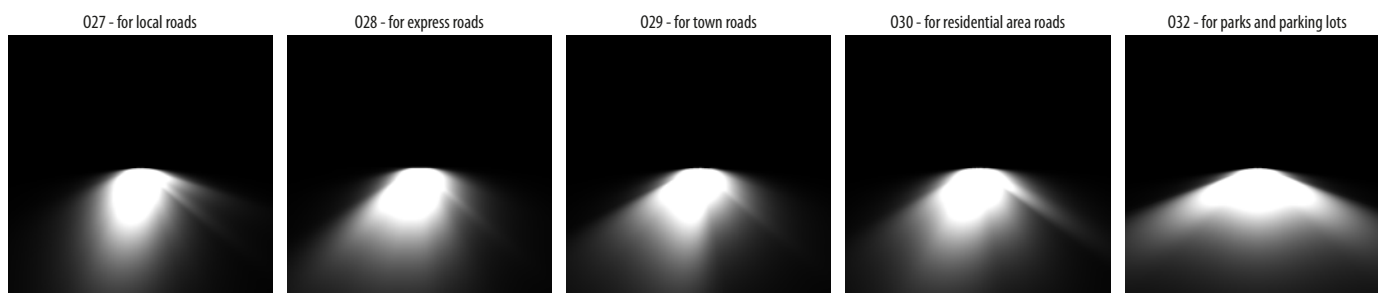


150170.01025 5 field connectors IP68

## LIGHT BEAM CURVES



## WAY OF LIGHTING



Luminous flux tolerance +/- 10%.

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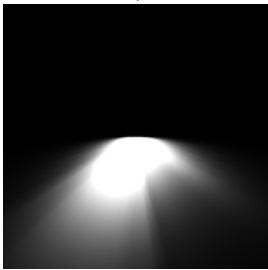
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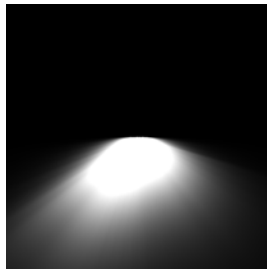
The parameters in the data sheet are given for  $T_a=25^{\circ}\text{C}$ .

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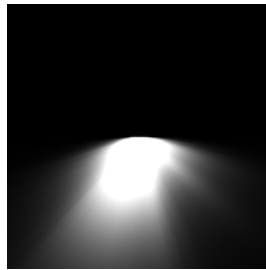
046 - for express roads



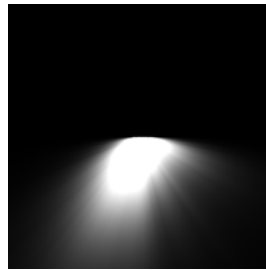
041 - for local roads



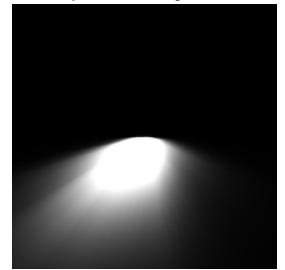
042 - for town roads



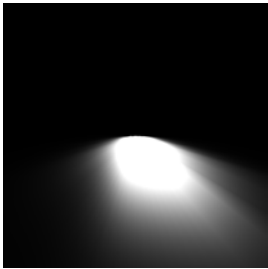
043 - for residential area roads



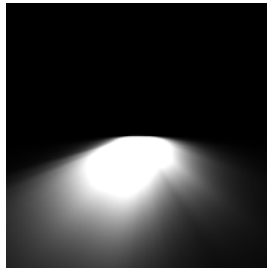
044L - for pedestrian crossings, left side traffic



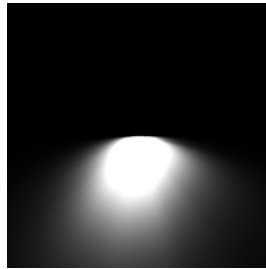
044P - for pedestrian crossings, right side traffic



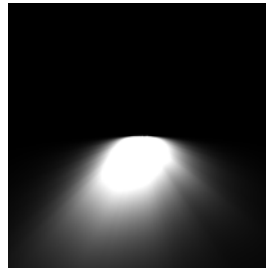
045 - for area lighting



047 - for town and local roads



048 - for wet surfaces



## OTHER PROJECTS



Sarajevo, Bosnia and Herzegovina

Luminous flux tolerance +/- 10%.

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