STREET OP
HIGH EFFICIENCY LED STREET LUMINAIRES MADE IN THE EU
Luxtella street luminaires are technical luminaires that are designed to fulfil the most demanding lighting calculation scenes like S, ME and CE classes with different adaptation to local lighting standards.

TECHNICAL DATA
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### Mechanical characteristics

- Housing made of die cast aluminium
- Top pole or side entry. As a standard equipped with a 60 mm pole connector, 76 mm also available
- Possibility to change the inclination from -15° up to +15° in increments of 5°
- As a standard equipped with a 0,5 m connecting cable, longer cable or without cable upon request
- All screws are made of stainless steel
- All gaskets are made of ozone and UV resistant silicone for IP66 protection
- Tool - less opening
- Tempered cover glass 4 mm
- Certified for IK10

### Electrical characteristics

- Voltage range:
  - 220 - 240 V (50 - 60 Hz) input
  - 110 - 277 V (50 - 60 Hz) input
- Power factor at full load more than 0,95
- Total harmonic distortion (THD) ≤ 8 %
- Up to 94 % driver efficiency at full load with the Philips Xitanium LED driver
- Dimming options: Lumistep, Line switch, DALI, 1 - 10 V and Dynadimmer (autonomous dimming) upon request
- Other options: SR driver, Zhaga 18 socket, Nema socket, sensor upon request
- 6 kV differential mode and 8 kV common mode standard surge protection. 10 kV surge protection upon request
- Protection class I or II
We use highly efficient & reliable Cree LEDs which ensure long term operation for the lifetime of the luminaire and highest lm/w efficiency in the industry. In the spreadsheet below the total – system W is stated. The below power (W) are a result in the working mode of the lamp (app. 1.5h after a lamp has been turned on). The below lumens are LED lumens. The system lumen and light distribution is available for each optic in LDT files. Different colour temperatures are available upon request. The below results in the table are written for 4000 K

<table>
<thead>
<tr>
<th>No. LED</th>
<th>Current [mA]</th>
<th>Sys power [W]</th>
<th>4000K [lm]</th>
<th>3000K [lm]</th>
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<td>11</td>
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</table>

Upon request, we can also supply Luxtella with a different driving current.
Optical characteristics

- As a standard we use PMMA that is 100% UV resistant which prevents yellowing over the entire life time of the lenses
- Photometric LDT files are available upon request

### Optic A

Optimised for ME and S road classes and narrow roads (IESNA TYPE II). Pole height 4 – 6 m, pole spacing from 20 – 30 m (S classes), and height from 7 – 12 m, spacing from 30 – 40 m (ME classes).

### Optic G

Optimised for ME road classes and wider roads (IESNA TYPE III). Pole height from 7 – 12 m, pole spacing from 25 – 45 m.

### Optic L

Forward-throw beam optics (IESNA TYPE IV) optimised for wide outdoor areas and parking lots. Pole height from 6 – 12 m. pole spacing from 15 – 25 m.

### Optic N

Wide beam optics (IESNA TYPE I) optimised for long pole distances, pedestrian & bike paths. Pole height from 4 – 9 m, pole spacing from 30 – 55 m.

### Optic P

Specially designed optics for pedestrian crossing to meet the EN13201 standard. Optics available with left pole side and right pole side mounting.

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Other optics are available upon request. Please send us your specific road situation and we will advise you on the right lamp based on our lighting calculations.
MECHANICAL DATA

Housing

Gross weight: 8,2 kg
Net weight: 7,2 kg
Wind area: 0,035 m²
Box dimensions: 71 x 35 x 10 cm
Full euro pallet dimensions:
48 units: 80 x 120 x 150 cm

Operating temperature from -40°C up to 55°C

Our standard warranty is 5 years
but the warranty may be
extended for up to 10 years
Mounting types

- IP66
- IK10

Company certified with:
Luxtella is the brand name of luminaires produced by

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The manufacturer reserves all rights to make changes in the materials and components used in its products. All data is subject to change without prior notice. The tolerance for all the given data is 10%. 

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