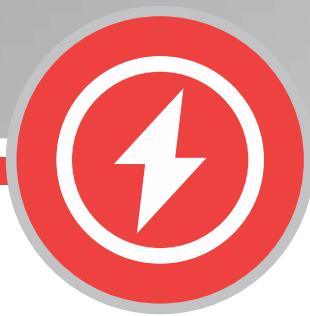




# STREET OP

HIGH EFFICIENCY  
LED STREET LUMINAIRES  
MADE IN THE EU





## TECHNICAL DATA

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.

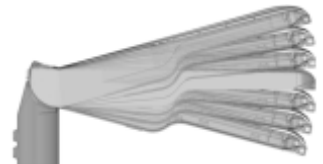
## Electrical characteristics

- 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)  $\leq$  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
- 6 kV differential mode and 8 kV common mode standard surge protection. 10 kV surge protection upon request
- Protection class I or II



## 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



# LEDs



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

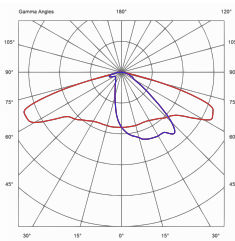
No. LED	Current	Sys power	4000K	3000K
	[mA]	[W]	[lm]	[lm]
8	400	11	1600	1550
	600	16	2250	2150
	800	22	2850	2750
	1000	28	3400	3250
12	700	27	3800	3600
	800	31	4250	4050
	900	35	4650	4450
	1000	40	5050	4800
24	600	45	6700	6350
	700	53	7600	7250
	800	60	8450	8050
	900	68	9250	8800
	1000	76	10000	9500
36	700	78	11300	10750
	800	89	12550	11950
	900	101	13700	13050
	1000	113	14800	14100
72	500	107	16100	15300
	600	129	18800	17900
	700	151	21600	20500

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

# OPTICAL DATA

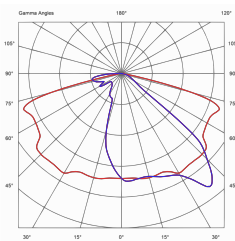
## Optical characteristics

- 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



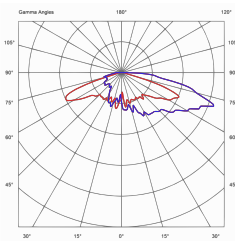
### Optic A

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).



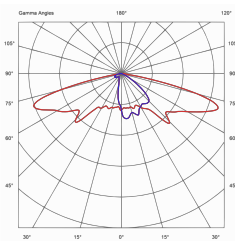
### Optic G

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



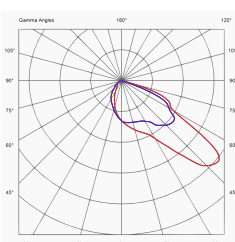
### Optic L

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

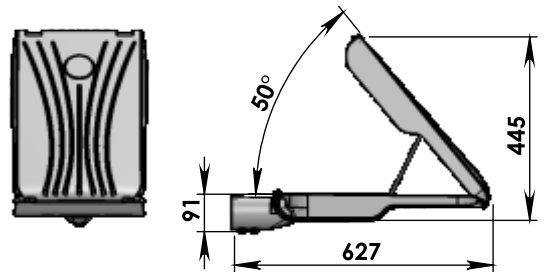
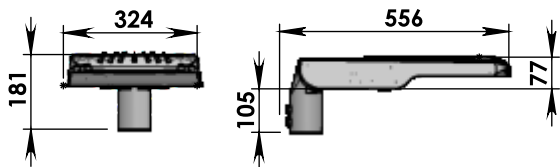
Specially designed optics for pedestrian crossing to meet the EN13201 standard. Optics available with left pole side and right pole side mounting.



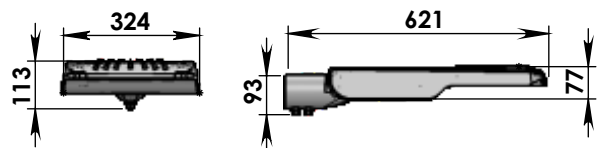
Other optics are available upon request. Please send us your specific road situation and we will advise you on the right lamp based on our lighting calculations.

# MECHANICAL DATA

## Housing



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

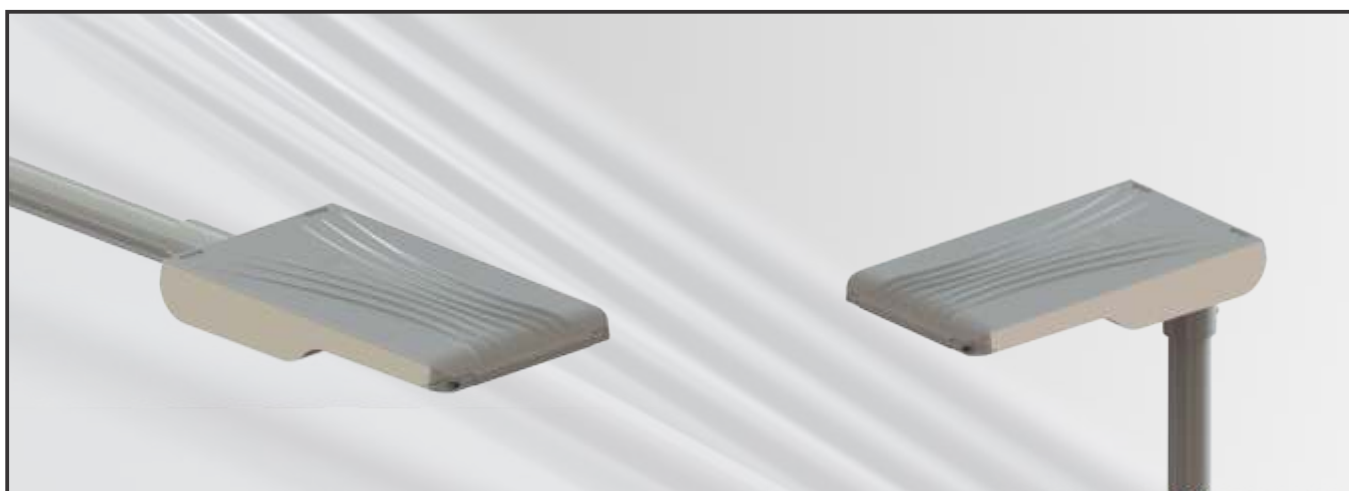


Operating temperature from -40°C up to 55°C



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

## Mounting types



\* valid for 3000 K



Company certified with



# luxtella

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.

