



# STREET

HIGH EFFICIENCY  
LED STREET LUMINAIRES  
MADE IN THE EU

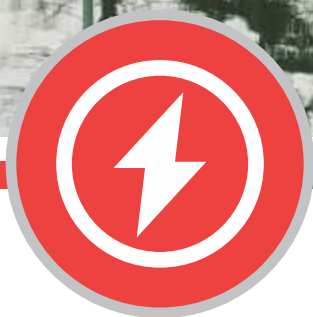
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**luxtella**



## 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

- 220 - 240 V (50 - 60 HZ) input voltage range
- 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 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  $-15^{\circ}$  up to  $+15^{\circ}$  in increments of  $5^{\circ}$
- As a standard equipped with a 0,5 m connecting cable, or longer cable upon request
- Anodized finish and dust painted with epoxy paint & thermal treatment to ensure long-term environmental protection against all weather conditions. RAL 9006 or other upon request
- All screws are made of stainless steel
- All gaskets are made of ozone and UV resistant silicone for IP66 protection
- 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 is available for each optic in IES files and is lower than the LED lumens by app. 5 % (depending on the type of lens). Different colour temperatures are available upon request. The below results in the table are written for 4000 K and 3000 K (average results).



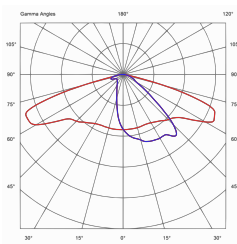
We can supply Luxtella with different lumen output upon request.

No. LEDs	Current [mA]	Sys power [W]	4000K [lm]	3000K [lm]
12	300	12	1800	1750
	400	16	2400	2250
	500	20	2900	2750
	600	24	3400	3200
	700	27	3900	3600
	800	31	4350	4000
	900	35	4750	4350
24	300	23	3700	3500
	400	30	4700	4500
	500	38	5750	5450
	600	45	6700	6300
	700	53	7600	7150
	800	60	8500	7900
	900	68	9300	8650
1000	76	10100	9350	
36	300	34	5500	5200
	400	44	7100	6700
	500	55	8600	8100
	600	66	10050	9400
	700	78	11450	10600
	800	89	12750	11800
	900	101	13950	12850
1000	113	15150	13800	
48	300	42	7200	6850
	400	58	9250	8800
	500	72	11250	10600
	600	87	13150	12300
	700	102	14900	13900
	800	117	16600	15400
	900	132	18200	16850
1000	148	19700	18150	
60	300	51	8800	8400
	400	72	11300	10800
	500	90	13750	13000
	600	108	16050	15100
	700	127	18250	17100
	800	146	20300	18900
	900	165	22250	20650
950	175	23050	21550	

# OPTICAL DATA

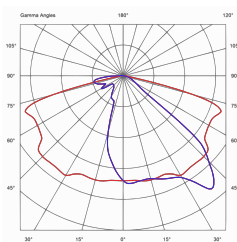
## Optical characteristics

- As a standard we use PMMA that is 100 % UV resistant which prevents yellowing over the entire life time of the lenses
- Polycarbonate lenses are available & ensure high impact resistance
- Photometric IES files are available upon request
- Option with cover tempered glass available



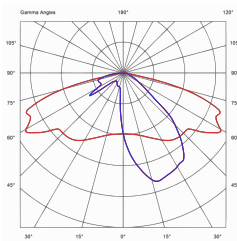
### Optic A

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).



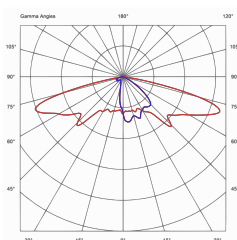
### Optic G

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



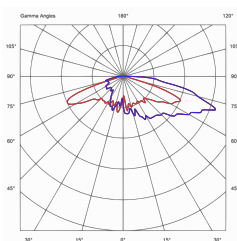
### Optic C

Optimised for S road lighting classes with narrow roads (IESNA TYPE II/III) Pole height from 4 – 8 m, pole spacing from 25 – 45 m. \*upon request we can also supply a modified optic C without back spill light.



### Optic N

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



### Optic L

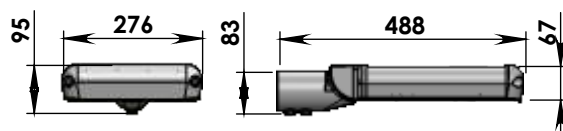
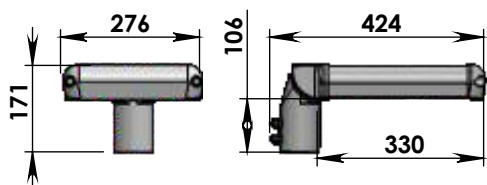
Forward-throw beam optics (IESNA TYPE IV) optimised for wide outdoor areas and parking lots. Pole height from 6 – 12 m, pole spacing from 15 – 25 m.



Please send us your specific road situation and we will advise you on the right lamp based on our lighting calculations.

# MECHANICAL DATA

## LED housing type 1



Gross weight: 5,5 kg

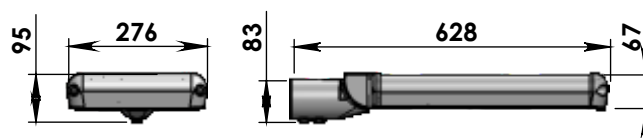
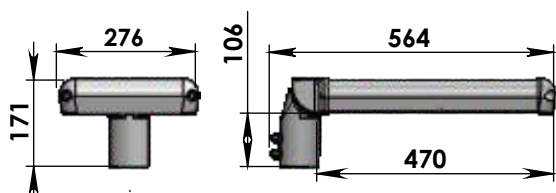
Net weight: 5 kg

Wind area: 0,028 m<sup>2</sup>

Box dimensions: 54 x 30 x 10 cm

Full euro pallet dimensions: 64 units: 80 x 120 x 150 cm

## LED housing type 2



Gross weight: 7,5 kg

Net weight: 7 kg

Wind area: 0,035 m<sup>2</sup>

Box dimensions: 75 x 30 x 10 cm

Full euro pallet dimensions: 48 units: 80 x 120 x 150 cm

Operating temperature from -40°C up to 50°C

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





Company certified with



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.

Luxtella is the brand name of luminaires produced by

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