

The background of the advertisement features a night scene of a street with light trails from cars. In the center, there is a white rectangular area containing two ornamental street lamps. A large, light gray diagonal brushstroke is drawn across the white area. The word 'ORNAMENTAL' is written in large, bold, white capital letters across the middle of the white area.

# ORNAMENTAL

HIGH EFFICIENCY  
LED STREET LUMINAIRES  
MADE IN THE EU

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The Luxtella logo consists of a red curved line above the word 'luxtella' in a bold, lowercase, sans-serif font.

# TECHNICAL DATA

Luxtella ornamental luminaires are technical luminaires that are designed to fulfil the most demanding light calculation scenes like S, ME and CE classes with different adaptation to local lighting standards. The housing look is ornamental and in a lantern style.

Electrical characteristics
<ul style="list-style-type: none"> <li>• 220 - 240 V (50-60 Hz) input</li> <li>• 110 - 277 V input voltage range upon request</li> <li>• Power factor at full load more than 0,95</li> <li>• Total harmonic distortion (THD) 8%</li> <li>• Up to 94 % driver efficiency at full load with the Philips Xitanium LED driver</li> <li>• Dimming options: Lumistep, Line switch, DALI, 1-10 V and Dynadimmer (autonomous dimming) upon request</li> <li>• 6 kV differential mode and 8 kV common mode standard surge protection. 10 kV surge protection upon request</li> <li>• Protection class I or protection class II</li> </ul>



Mechanical characteristics
<ul style="list-style-type: none"> <li>• Lanterns are made of casted aluminium</li> <li>• Lanterns can be supplied as top pole or wall mount model</li> <li>• Head style luminaires are made as top pole model or suspended version</li> <li>• Products are equipped with a 0,5 m connecting electrical cable</li> <li>• Housings are dust painted with epoxy paint thermal treatment to ensure long-term environmental protection against all weather conditions. Colour is anthracite grey. Other colours are available upon request</li> <li>• All screws are made of stainless steel</li> <li>• All gaskets are made of ozone and UV resistant silicone for IP65 protection</li> </ul>

## 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. Below power (W) of lamp is a result in the working mode of lamp (app. 1.5h after a lamp is turned on). Below lumen is LED lumen. System lumen is available for each optic in IES files and is lower than the LED lumen 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).

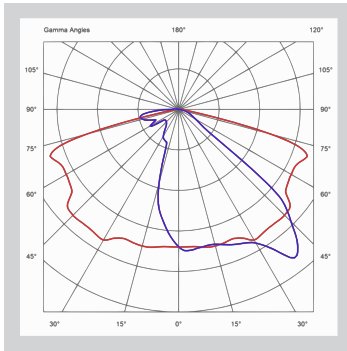
No. LED	Current [mA]	Sys power [W]	4000K [lm]	3000K [lm]
12	500	20	2900	2750
	600	24	3350	3200
	700	27	3800	3600
	800	31	4200	4000
	900	35	4600	4350
	1000	40	4950	4700
24	500	38	5700	5450
	600	45	6650	6300
	700	53	7500	7150
	800	60	8350	7900
	900	68	9100	8650
	1000	76	9800	9350



# OPTICAL DATA

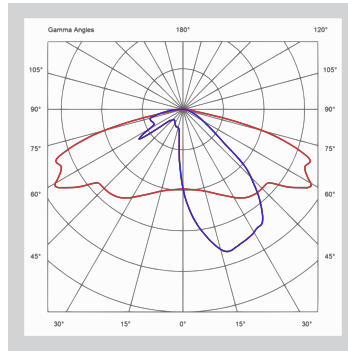
## Optical characteristics

- As a standard we are using PMMA that is 100% UV resistant which prevents yellowing over the entire time of the lenses
- Polycarbonate lenses ensure high impact resistance
- Photometric IES files are available upon request



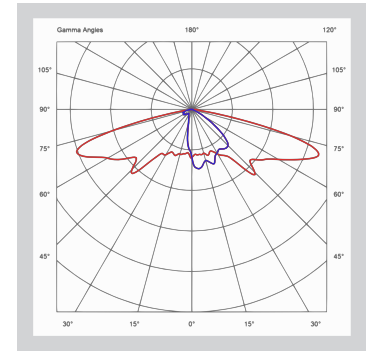
**Optic G**  
(with XPL and XTE LEDs)

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



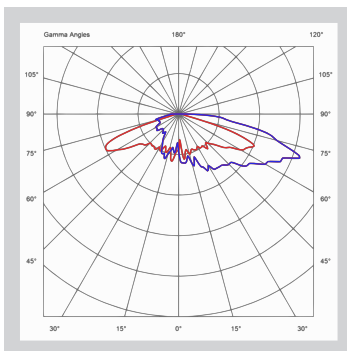
**Optic C**  
(with XPL and XTE LEDs)

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**  
(with XPL LEDs)

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.


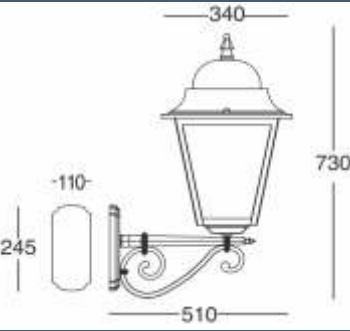


**Optic L**  
(with XPL LEDs)

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.



# MECHANICAL DATA

	
<p>Top pole</p>	<p>Wall mount</p>
<ul style="list-style-type: none"> <li>• Gross weight: 5 kg</li> <li>• Net weight: 4 kg</li> <li>• Box dimension: 60 x 40 x 40 cm</li> <li>• Full euro pallet dimension: 18 units, 80 x 120 x 160 cm</li> </ul>	<ul style="list-style-type: none"> <li>• Gross weight: 6 kg</li> <li>• Net weight: 5 kg</li> <li>• Box dimension: 76 x 53 x 34 cm</li> <li>• Full euro pallet dimension: 10 units, 80 x 120 x 160 cm</li> </ul>

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

Our standard warranty (acc. warranty conditions) is 5 years but the warranty may be extended for up to 10 years.



The manufacturer reserves all rights to make changes in 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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