T-LAMP LS

HIGH EFFICIENCY
LED STREET LUMINAIRES
MADE IN THE EU

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luxtella

TECHNICAL DATA

Luxtella street T-lamp luminaries are technical luminaries that are designed to fulfil the most demanding light calculation scenes like S, ME, CE classes with different adaptation to local lighting standards.

Electrical characteristics

- 220 - 240 V (50 - 60 Hz) input
- 110 - 277 V input voltage range upon request
- Power factor at full load more than 0,95
- Total harmonic distortion (THD) 8 %
- Up to 94 % driver efficiency at full load with Philips Xitanium LED driver
- Dimming options: Lumistep, Line swich, 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 protection class II

PHILIPS Xitanium LED Driver INSIDE

Mechanical characteristics

- Housing made of aluminium
- Lamp is equipped with 60 mm pole connector
- Equipped with connecting electrical cable 0,5 m, longer cables upon request
- Finish made of anodisation and dust painted with epoxy paint thermal treatment to ensure long-term environmental protection against all weather conditions. RAL 9006 or upon on request
- All screws are made of stainless steel
- All gaskets are made of ozone and UV
- resistant silicone for IP66 protection

LEDs

CREE LEDs INSIDE

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).

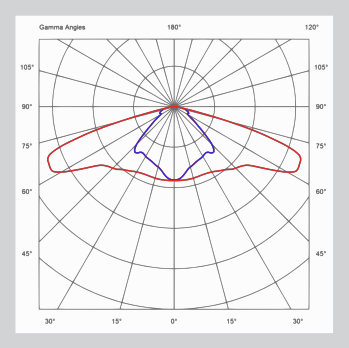
No. LED	Current	Sys power	4000K	3000K
	[mA]	[W]	[lm]	[lm]
24	500	38	5700	5450
	600	45	6650	6300
	700	53	7500	7150
	800	60	8350	7900
	900	68	9100	8650
48	500	72	11150	10600
	600	87	12950	12300
	700	102	14650	13900
	800	117	16200	15400
	900	132	17700	16850
72	500	108	16300	15500
	600	130	18900	18000
	700	151	21350	20300
	800	173	23650	22500

We can supply also Luxtella with a different driving current upon request.

OPTICAL DATA

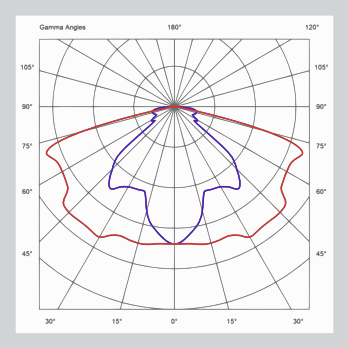
Optical characteristics

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



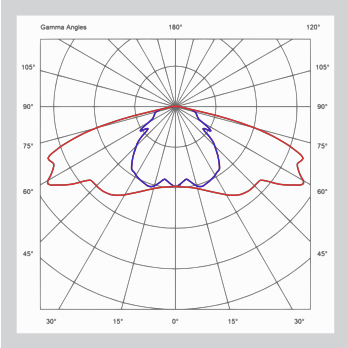
Optic B

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 H

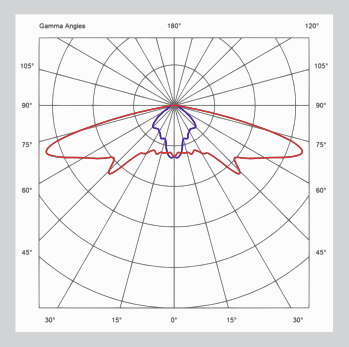
Optimised for ME road classes and wider roads (IESNA TYPE III). Pole height from 7 – 12 m, pole spacing from 25 – 45 m.



Optic D

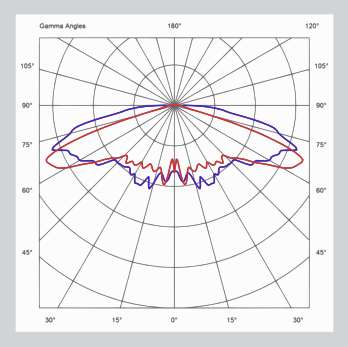
Optimised for S road lighting classes with narrow roads (IESNA TYPE II/III) Pole height from 4 – 8 m, pole spacing from 25 – 45 m.

*upon request we can also supply a modified optic D without back spill light.



Optic O

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 M

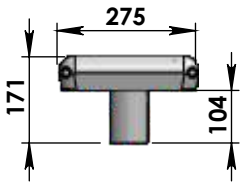
Forward-throw beam optics (IESNA TYPE IV) optimised for wide outdoor areas and parking lots. Pole height from 6 – 12 m, pole spacing from 15 – 25 m.

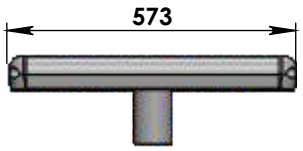
MECHANICAL DATA

24, 48, 72 LED lamp

- Gross weight: 8,8 kg
- Net weight: 8,2 kg
- Wind area: 0,035 m^2
- Box dimension: 60 x 30 x 20 cm
- Full euro pallet dimension: 24 units: 80 x 120 x 150 cm

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

NEMA socket), consult your sales manager for the correct code!
In addition, other features are available upon request (for example

Company certified with

Luxtella is the brand name of luminaires produced by

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