JUGANU
BRIGHTER

Estella

JLED Street Light

JLED *Street & Road* Light enables *Smart City*

Estella family of Street & Road lights by Juganu are efficient, lightweight and reliable. High SYSTEM efficacy of 130 - 160 LPW allows significant electricity savings of 75-90%, compared to HPS and 30% and compared to other LEDs. Negligible reduction of light with time of under 3% per year allows stable lighting for many years. Optimized optics direct the light where it is needed, providing uniform illumination, while meeting the international standards for Street & Road lighting. JLED fixtures withstand severe weather conditions, such as tropical rains and proximity to the sea.

Estella family provides infrastructure for smart city and incorporates various pre installed modules, such as sophisticated wireless communication with cloud management and control software and GPS, which allows autonomous operation, accurate power management module, AC total protection module, various sensors, video cameras, cellular microcells, Wi-Fi AP's and more.

Estella family supports the ANSI C136.41 (7 pin NEMA) for remote management system.

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BENEFITS

- Increase quality of life and public security
- Increase safety for drivers, riders and pedestrians
- 75-90% savings in electricity costs
- 95% saving in maintenance costs
- Infrastructure for Smart City

APPLICATIONS

- Designed to meet Street & Road luminance and illuminance requirements
- Outdoor parking areas

FEATURES

- Several types of optics for various road conditions
    - Lateral distribution: Type II and III
    - Longitudinal distribution: Short and Medium
- CCT (typical)
    - 3000K ÷ 6500K

RATINGS

- Environmental: IP67
- Temperature range: –25° to 50°C ambient
- Compliant with the material restriction requirements of RoHS
- Impact shock: IK08
- 10KVA surge protection
- AC input of up to 277V

MOUNTING

- Integral die cast mounting pipe stop feature
- Suitable for 1.77 ÷ 2.56 in. (45mm to 65mm) mounting pipe
- Optional accessory: Arm with 5° steps up-to ±10°

SPECIFICATIONS

- **Power consumption** | 0 to 120W (Continually dimmable)
- **Dimming** | factory set / 0 to 10V / wireless control
- **System efficacy** | up to 160 LPW (including PS & Optics)
- **Correlated Color Temperature (CCT)** | 3,000-6,500K
- **Color Rendering Index (CRI)** | > 70
- **Photometry** | IESNA types II and III
- **Maintenance of Lumen output** | Light reduction < 3% / Year
- **Operating temperature Range** | -25 to +50 °C
    - **Main voltage** | 180 – 277 VAC
- **Frequency range** | 47 to 63 Hz
- **Surge protection** | 10KVA Protection
- **Lumen maintenance LM80, TM21**

JLED non modular Street Light – Rev. 01

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- o **L90** 60,000 hours
- o **L70** 120,000 hours
- **Power factor** | > 0.92, max current THD 15% at 220V
- **MTBF** | > 900,000 hours Telcordia SR-332 (Bellcore)
- **Material** | Aluminum, PMMA, Polycarbonate with UV treatment, Silicon
- **Maintenance** | No internal cleaning required

Options of power & lumens

Power [W]	Typ. efficacy [LPW]	Total lumens [LM]
60	135	8,100
100	135	13,500
120	135	16,200

Ordering information

Product ID	Power	Family	CCT	Wireless COM	ANSI C136.41 7 pin (NEMA)	AC protection unit	Distribution curve
JLED-SL	xxxW	Estella	xx	NA	Nx	NA	Dxx

CCT (other values possible)	**30** – 3000K		
	40 – 4000K		Standard
	50 – 5000K		
	65 – 6500K		
Nx	**N0** – NEMA not included		Standard
	NS – NEMA - shorting cap		
	NP – NEMA with photocell		
	NW – NEMA with wireless COM		
	NC – NEMA with photocell and wireless COM		
Distribution curves	**D01 – TYPE 2, SHORT, D02 – TYPE 2, MEDIUM**		

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