Lite Solitaire

The Solitaire family of Street & Road fixtures by Juganu revolutionizes urban spaces by turning them into smart, connected environments.

Combined with Juganu's proprietary wireless broadband infrastructure between fixtures, they enable **seamless connectivity across large spaces**.
With a high system efficacy of up to 140 LPW, Phoenix1 fixtures deliver **significant energy savings**—up to 90% compared to HPS lamps and 30% compared to other LEDs.

Features

- Wireless connectivity – Powered by AC only (Ethernet is not required)
- Wirelessly controlled and monitored for easy access and management
- Intuitive user interface for real-time visibility of light status

Benefits

- Quick and easy installation
- High lumen output with excellent energy efficiency
- Full scale solution – Complements our smart fixtures, maintaining the same look and feel of a fully deployed area

Lite Solitaire3

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GENERAL INFORMATION

Dimensions (mm)	Diameter – 643mm/25.3 in
	Height - Solitaire with Nema – 783 mm/30.8 in
	Solitaire w/o Nema – 786 mm/30.9 in
Weight	13 kg/28.7 lb
Materials	Cast Aluminum body with powder paint, Plastic (PMMA,PC)

OPERATING AND ELECTRICAL

Power Consumption	Up to 50W - Road Lighting
Surge Protection	10 kV
Power Factor	> 0.92, max current THD 15% at 220V
System Efficacy	Up to 100 lm/w for road lighting
Operating Voltage	100 – 240VAC
Maximum Voltage	277 VAC
Operating Frequency	47Hz – 63 Hz
Dimming	Wireless control
Operating Temperature	-40°C +40°C (-40°F to +104°F)
Cooling	Passive cooling
Ingress Protection (IP Rating)	IP65

LIGHTING CHARACTERISTICS

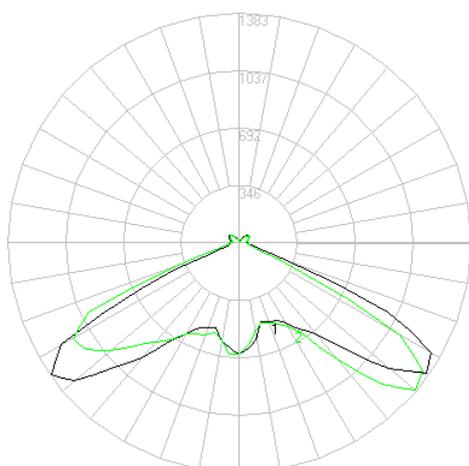|	
Lumen Maintenance	TM21 based on ISTMT and LM80
	L70 - 120,000 hours
	L90 – 60,000 hours
Correlated Color Temperature (CCT)	4000K
Color Rendering Index (CRI)	>70

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STANDARDS (additional local standards applicable)
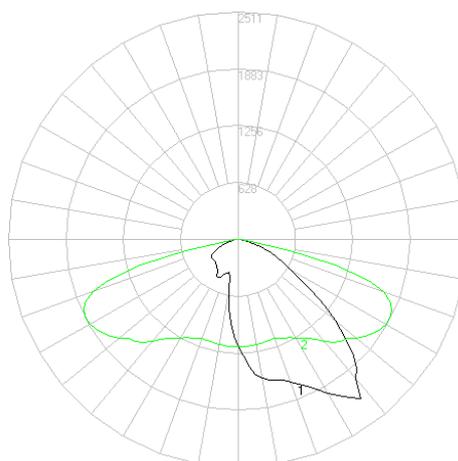The product is designed to meet following standards:

Group	Standard abbreviation	Description
EMC	FCC Part 15 Subpart B CISPR 32	Emission
	ETSI EN 301 489-1,3 ETSI EN 301 489-17,19	Immunity
Radio	ETSI EN 301 893 EN 300 220-1,2 FCC Part 15 Subpart C	Radio Standards
Photometrics	EN 13032-1 IESNA LM-79 – 2008	Photometric
	IEC 62471:2006 IEC62778 and IEEE1789	Photo-biologic, exempt Blue light
Mechanics and Environment	IEC 60529, IEC60598-1	Protection rate
	ETSI EN 300 019-1-4 Class 4.1 IEC60598-1	Environmental
	IEC 60598-2-3	Wind Load
Safety	IEC 60598-2-3 IEC60598-1 IEC 62368-1	Contains: Dielectric strength Insulation resistance Leakage current Protection against electric shock Torque resistance of screws and fittings Weight/wind
	UL 1598	UL Standard for Safety of Luminaires for the North America market
	IEC 62031	Safety of LED board
	EN61347-1, EN61347-2-13, EN62384	LED driver safety
Luminaire Performance Test	EN 62722-1:2016 EN 62722-2-1:2016, EN 62717	Lumens and CRI performance test over 1000 hours
	ISTMT TM-21, LM-80	Temp. of LED, Driver

Photometric Curves

D02 Type VS, Symmetric

D01 Type II, Short

Mounting

o   Integral die cast mounting pole stop feature

o   60 mm (2.36") – 76 mm (3.00") pole

Performance (4000K)

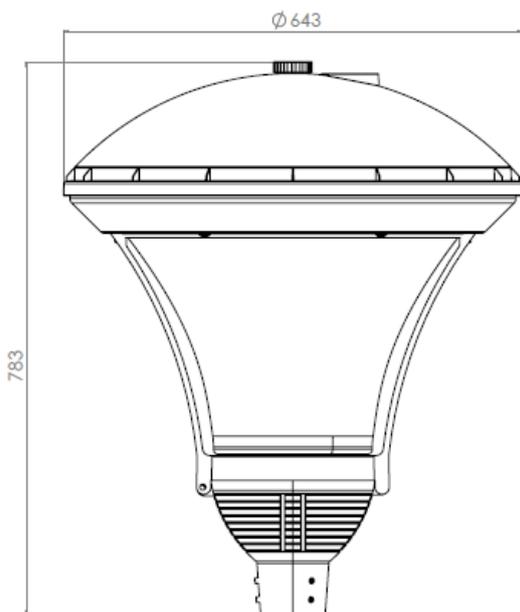| Power [W]	Typ. efficacy [LPW]	Total lumens [LM]
50W road lighting	100	5000

Package Contents

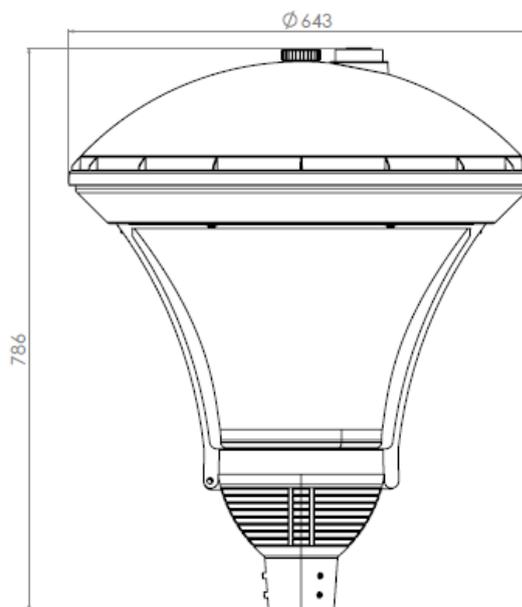|	
☐ Lite Solitaire3 fixture	
☐ Six (6) Hexagon socket set screws	
☐ 3-pin AC junction box connector	

Mechanical Dimension

Lite Solitaire3 without Nema

Height - 783mm/30.8 in
Diameter – 643mm/25.3 in

Lite Solitaire3 with Nema

Height - 786mm/30.9 in
Diameter – 643mm/25.3 in

Packaging and Weight

Packaging Dimensions	Net Weight	Gross weight
820 x 695 x 695 mm 32.3 x 27.4 x 27.4 in	13kg/28.7 lb	16.5 kg/36.4 lb

Ordering Information

Product	Family	CCT	NEMA	Distribution curve
JLED-SL	Lite Solitaire	XX	xx	Dxx

CCT	**40** – 4000K	Default
NEMA Socket	**Blank,** no NEMA	Default
	ND , with NEMA and Dali	
	NA, with NEMA and PWM	
Distribution curves (see distribution curve)	**D02** – Type VS, Symmetric	Default
	D01 - Type II,Short	

Ordering Example

Order Code: *JLED-SL-LITE-SOLITAIRE-40-D01*

Description

Lite Solitaire3 Street Light, 4,000K, D01 Optics

Note: For additional CCT options, contact Sales