

## 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

## City & Infrastructure

### 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)
Color	Black (RAL 9005)

### 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)	3000K, 4000K
Color Rendering Index (CRI)	>70

# Lite Solitaire3

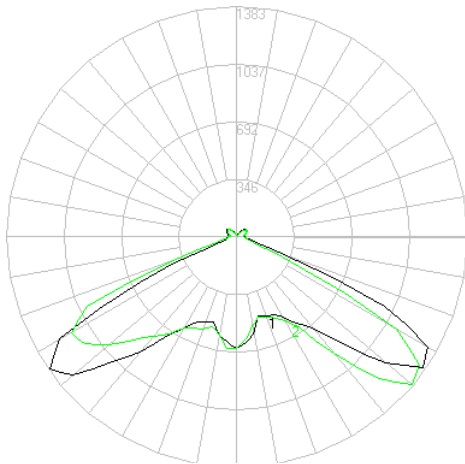
## City & Infrastructure

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

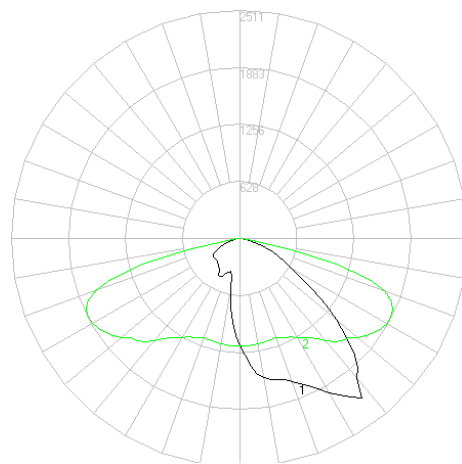
Group	Standard abbreviation	Description
EMC	FCC Part 15 Subpart B CISPR 32	Emission
	ETSI EN 301 489-1,3 ETSI EN 301 489-17,19	Immunity
Radio	ETSI EN 301 893 EN 300 220-1,2	Radio Standards
	FCC Part 15 Subpart C	
Photometrics	EN 13032-1 IESNA LM-79 – 2008	Photometric
	IEC 62471:2006 IEC62778 and IEEE1789	Photo-biologic, exempt Blue light
	IEC 60529, IEC60598-1	Protection rate
Mechanics and Environment	ETSI EN 300 019-1-4 Class 4.1 IEC60598-1	Environmental
	IEC 60598-2-3	Wind Load
	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
Safety	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

- Integral die cast mounting pole stop feature
- 60 mm (2.36") – 76 mm (3.00") pole

## Performance (4000K)

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

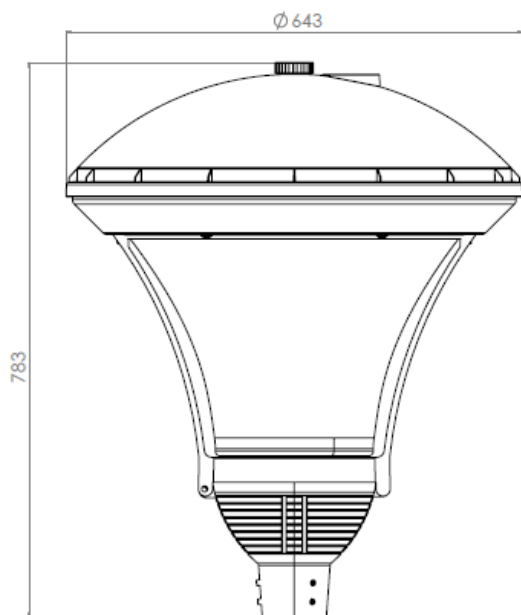
## Package Contents

<input type="checkbox"/> Lite Solitaire3 fixture	
<input type="checkbox"/> Six (6) Hexagon socket set screws	
<input type="checkbox"/> 3-pin AC junction box connector	

## Mechanical Dimension

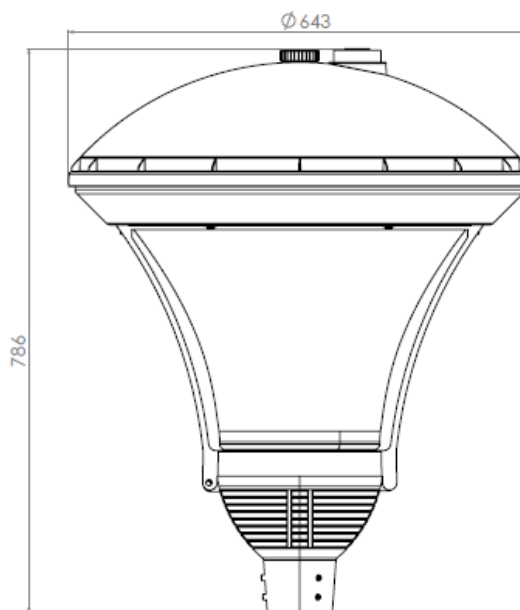
### Lite Solitaire3 without Nema

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	Power	CCT	NEMA	Distribution curve
JLED-SL	Lite Solitaire3	50W	XX	xx	Dxx

CCT	30 - 3000K	
	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-SOLITAIRE3-40-NA-D01*

#### Description

Lite Solitaire3 Street Light, 50W, 4000K, NEMA PWM, D01 Optics

**Note:** For additional CCT options and product colors contact Sales