

Lite Phoenix1



The Phoenix 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

Lighting (configurable at purchase)

- CCT Available in 3000K - 4000K
- Several types of optics for various road conditions

Connectivity

- JNET™ 1: Juganu wireless lighting management
- NEMA Socket ANSI C136



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City & Infrastructure

GENERAL INFORMATION

Dimensions (mm)	796*373*207 mm (31.3 x 14.7 x 8.2 in)
Weight	16 kg (40 lb)
Materials	Cast Aluminum body with powder paint, Polycarbonate (PC), Glass

OPERATING AND ELECTRICAL

Power Consumption	Up to 120W
Surge Protection	10 kV
Power Factor	> 0.92, max current THD 15% at 220V
Operating Voltage	110 – 240 VAC
Maximum Voltage	264 VAC
Operating Frequency	47Hz – 63 Hz
Dimming	Wireless control
Operating Temperature	–40°C to 50°C (-40°F to +122°F)
Cooling	Passive cooling
Water Resistance (IP Rating)	IP66
Impact Protection	IK08

LIGHTING CHARACTERISTICS

Lumen Maintenance	TM21 based on ISTMT and LM80 L90 > 60,000 hours L70 > 140,000 hours
Correlated Color Temperature (CCT)	3000K - 4000K (configurable at purchase)
Color Rendering Index (CRI)	>70
System Efficacy	Up to 140 lm/w for road lighting

WIRELESS LIGHTING CONTROL

Wireless Lighting control	Juganu proprietary mesh technology SubG frequency 868/915/433 MHz
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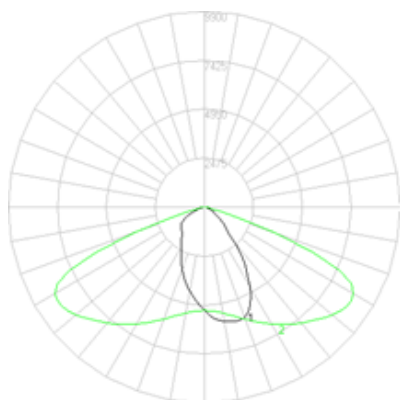
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STANDARDS (additional local standards applicable)
The product is designed to meet following standards:

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	EN 300 220-1,2 FCC Part 15 Subpart C	Radio Standards
	EN 13032-1 IESNA LM-79 – 2008	Photometric
Photometrics	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
	ISO9227 1000H	Solt Fog
	IEC 62262	Mechanical Impact
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




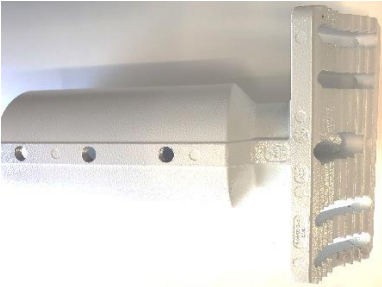

Mounting

- Integral die cast mounting pole stop feature
- Suitable for 50.8 – 60 mm (2.00 - 2.36 in.) mounting pole
- Inclination: integrated with $\pm 15^\circ$, can be 90° for pole with no arm (post up)

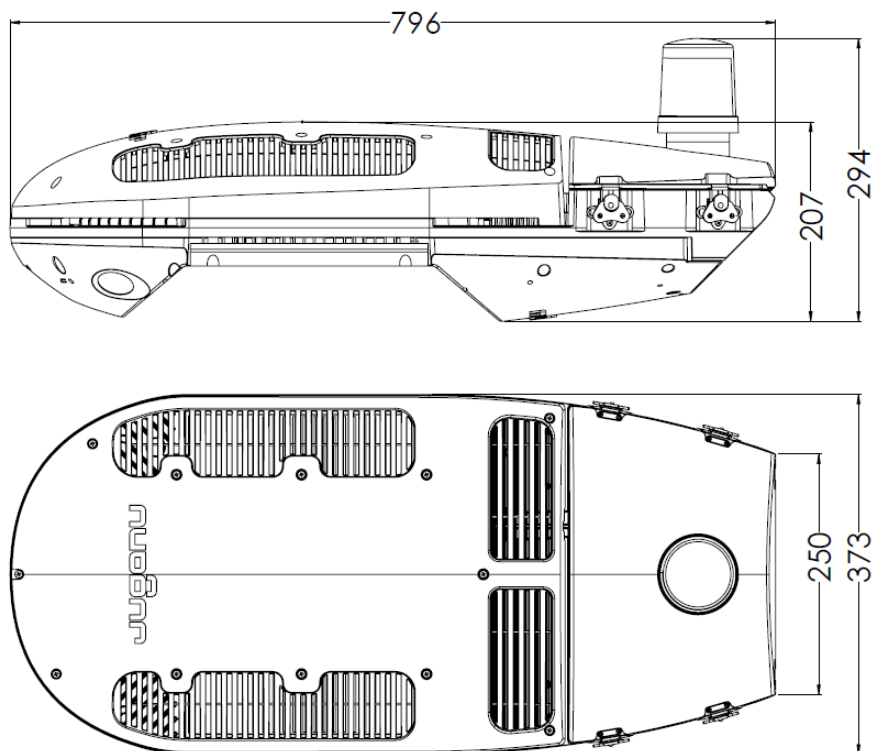
Performance (4000K)

Power [W]	Typ. efficacy [LPW]	Total lumens [LM]
120W	140	16,800

Package Contents

<input type="checkbox"/> Phoenix1 fixture	
<input type="checkbox"/> Mounting arm	
<input type="checkbox"/> 3-pin AC junction box connector	

Mechanical Dimensions



Packaging and Weight

Lighting Fixtures Dimensions(mm)	Packaging Dimensions (mm)	Net Weight	Gross weight
796*373*207 mm 31.3 x 14.7 x 8.2 in	1200*380*240 mm 47.3*15*9.5 in	16kg 35 lb	18 kg 44 lb

Ordering Information

Product	Family	CCT	NEMA	Distribution curve
JLED-SL	Lite Phoenix1	xx	xx	Dxx

		Default
CCT (other values possible)	30 – 3000K	
	40 – 4000K	Default
NEMA Socket	ND , with NEMA and Dali	
	NA , with NEMA and PWM	Default
Distribution curves (see distribution curve)	D01 Type I, Short	Default

Ordering Example

Order Code: *JLED-SL-Lite-Phoenix1-40-NA-D01*

Description

Lite Phoenix1 Street Light, 4000K, NEMA PWM, D01 Optics