

LITE Calypso



The **Calypso** family of Retail lights by Juganu is efficient, lightweight, and reliable. High system efficacy of up to 160 LPW yields significant energy savings of 75%-90% compared to HPS lamps and 30% compared to other LEDs. Stable lighting performance is maintained over time. Optimized optics direct the light where it's needed, delivering uniform illumination while complying with international standards for retail lighting.

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



Calypso

Retail

GENERAL INFORMATION

Dimensions (mm)	440 x 219 x 177 mm(W0, WL options) 17.32 x 8.62 x 6.97 in (W0, WL options)
Weight	5 Kg , 11lb
Materials	Body: Aluminum, Steel, Polycarbonate, Silicon

OPERATING AND ELECTRICAL

Power Consumption	Up to 150 W
Power Factor	up > 0.92, max current THD 15% at 220V
Operating Voltage	110 – 240 VAC
Maximum Voltage	264 VAC
Operating Frequency	47 – 63 Hz
Dimming	Wireless control
Operating Temperature	0° to 40°C
Cooling	Passive Cooling
Ingress Protection	IP30 for luminaire IP66 for driver and optics

LIGHTING CHARACTERISTICS

Lumen Maintenance	TM21 based on LM80 L70 > 120,000 hours L90 > 60,000 hours
Correlated Color Temperature (CCT)	3000K - 5000K
Color Rendering Index (CRI)	>80

WIRELESS LIGHTING CONTROL

Wireless Lighting control	Juganu proprietary mesh technology SubG frequency 915MHz
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Calypso

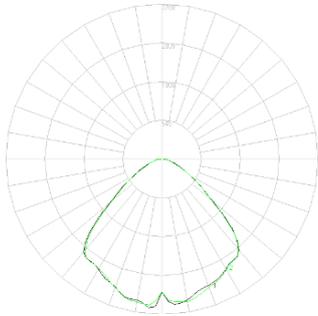
Retail

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

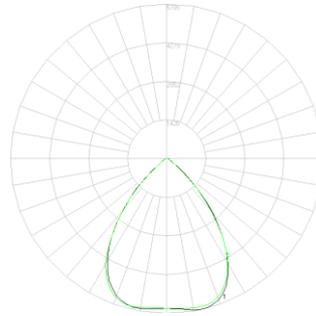
Group	Standard abbreviation	Description
EMC	IEC 62368-1 / IEC 61347-1 FCC Part 15 Subpart B	Emission
Radio	FCC Part 15 Subparts C & I ETSI EN 300 220 / EN 300 440	USA Europe
Mechanics and Environment	IEC 60529, ETSI EN 300 019-1-3 IEC 60068-2, IEC 60721-3-3	Protection rate Environmental
Safety	IEC 62368-1 IEC 61347-1	Safety of electronic equipment within the fields of Audio/Video, Information Technology and Communication Technology
	UL 62368-1 UL 1598	UL Standard for Safety for the North America market

Photometric Curves

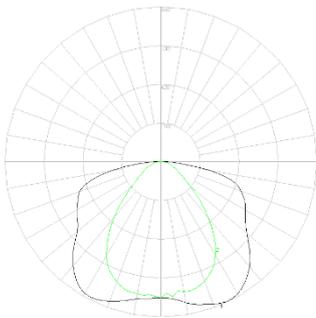
D01 - Symmetric 102 deg



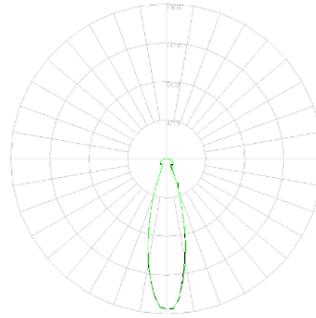
D02 - Symmetric 78 deg



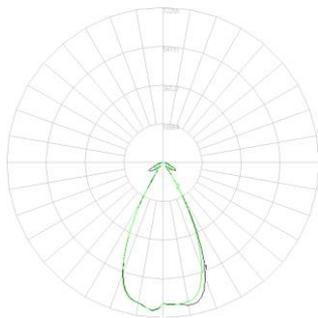
D06 - 150/80 deg



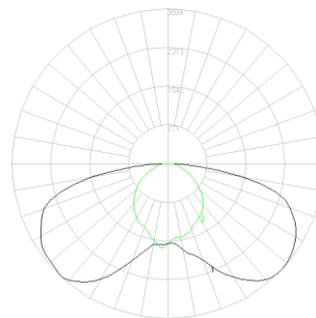
D08 - Symmetric 30 deg



D45 Symmetric 45 deg



D11 - 160/100 deg



Mounting

- Suspended / Easy mounting to a metal post
- Recommended Installation Height – 4 to 8 m

Performance (for W0, WL)

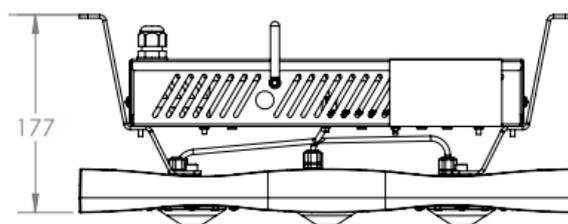
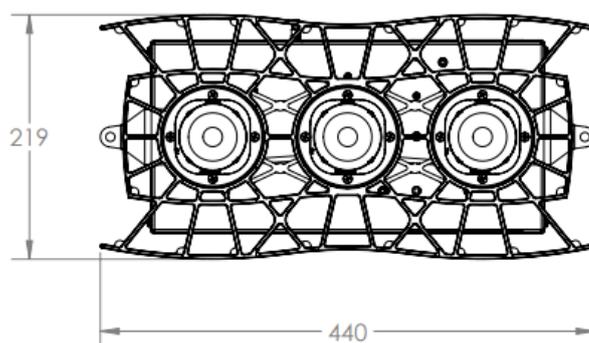
Power [W]	Typ. efficacy [LPW]	Total lumens [LM]
80	160	12,800
100	155	15,500
120	150	18,000
150	140	21,000

Packaging and Weight

Calypso option	Lighting Fixture Dimensions (mm)	Packaging Dimensions (mm)	Net Weight	Gross Weight
W0, WL	440 x 219 x 177	453 x 231 x 207	5 kg	5.5 kg

Mechanical Dimensions

Lite Calypso W0, WL



Ordering Information

Product	Power	Family	CCT	Distribution curve
JLED-HB	xxxW	Calypso	xx	Dxx

CCT (other values possible)	30 – 3000K	
	40 – 4000K	Default
	50 – 5000K	
Wx	W0 – Wireless controller is not integrated	
	WL - Jugnau wireless light control is integrated	Default
Distribution curves (see Photometric Curves section)	D01 Symmetric, 102 deg	
	D02 Symmetric, 78 deg	Default
	D06 150/80 deg	
	D08 Symmetric, 30 deg	
	D11 160/100 deg	
	D45 Symmetric, 45 deg	

Ordering Example

JLED-HB-120W-CALYPSO-40-WL-D02

Description

JLED Highbay light of the Smart Calypso family with 120W, 4000K, integrated wireless lighting control with cloud management distribution curve D02