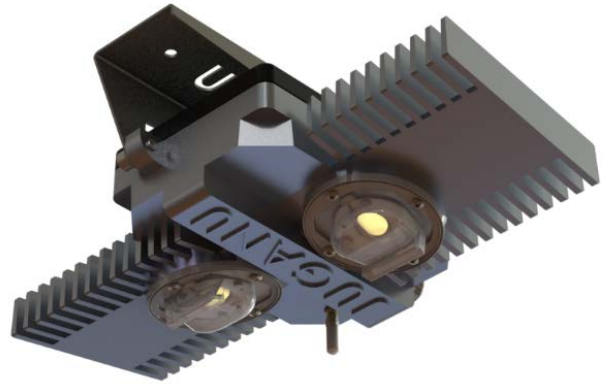


JLED

Ludia



JLED Parking Light enables Smart Retail

• •

Ludia family of parking lights by Juganu are efficient, lightweight and reliable. High SYSTEM efficacy of 120-145 LPW allows significant electricity savings of 75-90% compared to HPS and 30% compared to other LEDs. Negligible reduction of light with time of under 1% 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 retail light.

Ludia is designed to meet parking luminance and illuminance requirements.

Features

- Entire McCree Curve integrated in one unit (400-760 nm)
- Patent-pending "Passive Cooling" (junction temperature < 50°C)
- CCT (Typical) – 3000K / 5000K
- Optimized optics for retail application:
 - Narrow distribution for high racks area
 - Wide distribution for wide-open area

Benefits

- Efficient, uniform and glare free light
- Increase safety for drivers, riders and pedestrians
- 75-90% savings in electricity costs
- 95% saving in maintenance costs
- Long Guaranteed operating lifetime
- Easy installation

Ludia

Product Data

Product Segment: Retail & Commerce

Product Type: Office

Product Family: Ludia

Ludia family of Parking luminaries by Juganu provides all the benefits of JLED®, including controlled spectrum and high efficiency

Key Advantages

CRI > 70

Various Optics to maximize uniformity for variant conditions

Advanced wireless control for single & multiple fixture groups

GENERAL INFORMATION

Dimensions (mm)	389 x 287 x 133
Weight	8 kg
Mounting	Integrated eye-bolt for easy connection
Warranty	10 years
Maintenance & MTBF	Light reduction < %1 per year MTBF > 900,000 hours Telcordia SR-332 (Bellcore)

OPERATING AND ELECTRICAL

Power Consumption	0 to 50W
Surge Protection	4 KVA Protection
Power Factor	> 0.92, max current THD 15% at 220V
Dimming	factory set, 0 to 10V, wireless control
System Efficacy	up to 145 LPW (including PS & Optics)
Nominal Voltage	110 – 277 VAC
Maximal Voltage	90 – 305 VAC
Operating Frequency	47 – 63 Hz
Ingress Protection Rating	IP65
Operating Temperature	-25° to 50°C ambient
Cooling	"Passive Cooling" (Junction Temperature < 50°C)

LIGHTING CHARACTERISTICS

Lumen Maintenance	LM80, TM21 L70 – 120,000 hours L90 – 60,000 hours
Correlated Color Temperature (CCT)	3000K - 6500K
Color Rendering Index (CRI)	>70
Material	Aluminum, PMMA, Polycarbonate, Silicon

Ludia

Product Data

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Performance

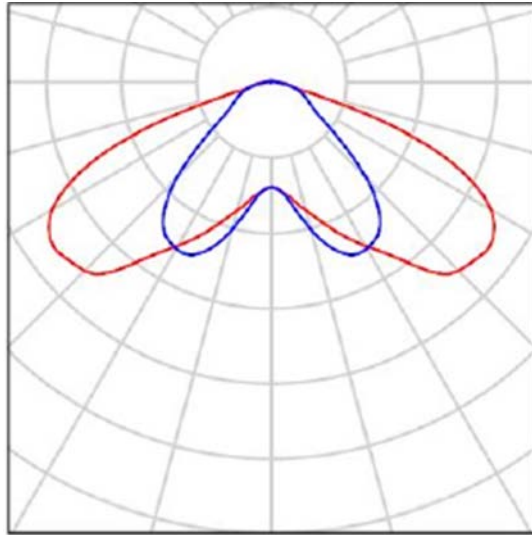
Standards (additional local standards applicable)

Group	Standard abbreviation	Description
EMC	EN55015 (CISPR15)	Emission
	EN61000-3-2	
	EN61000-3-3	
	EN61547	Immunity
EN55042		
EN61000-4-2,3,4,5,6,8,11		
Photometrics	EN 13032-1	Photometric
	IESNA LM-79 – 2008	
	ANSI ANSLG C78.377: 2012	
	IEC 62471:2006	Photo-biologic, exempt
Mechanics	IEC 60529	IP66
	EN 60529	
	IEC 60598-1: 2010, Section 9	
	IEC 60598-1:2010	Temp. of LED, Driver
Safety	UL8750	
	IEC61347-1	
	IEC61347-2-13	
	EN61347-1/A2:2013	
	EN61347-2-13: 2006	
	EN62493	
	EN 62384:2006	
	Nom 3-SCFI-2000, Certification number AIN15C02875 (Mexican Regulation)	
Environment	IP65	

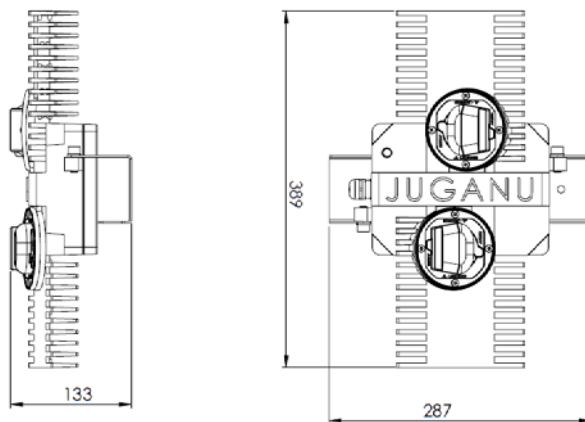
Power [W]	Typ. efficacy [LPW]	Total lumens [LM]
20	145	2,900
25	143	3,575
30	140	4,200
40	135	5,400
50	130	6,500

Photometric Curves

DO1



Mechanical Dimensions



Ordering information

Product	Power	Family	CCT	Wireless (COM)	Curve
JLED-PR	xxxW	LUDIA	xx	Wx	Dxx
					RECOMMENDED
CCT (other possible values)			30 - 3000K		
			40 - 4000K		○
			50 - 5000K		
Wx			W0 – Wireless controller is not integrated		
			WM – Jugnau wireless solution is integrated		○
Distribution curves			Dxx – see distribution curves		