

Centella



The Centella family of office lights by Juganu is efficient, lightweight and reliable. High system efficacy of up to 160LPW allows significant energy savings of 75%-90% compared to HPS lamps 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 international standards for retail light.

Centella provides sophisticated wireless communication with cloud management and control software, which allows autonomous operation and accurate power management.

Centella is designed to meet supermarket luminance and illuminance requirements.

Features

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

Benefits

- Efficient, uniform and glare-free light
- 75%-90% savings in energy costs
- 95% savings in maintenance costs
- Long Guaranteed operating lifetime
- Easy installation



Centella

Retail & Commerce

Product Data

Product Segment: Retail & Commerce
 Product Type: supermarket
 Product Family: Centella

The Centella family of Retail luminaires by Juganu provides all the benefits of JLED®, including controlled spectrum, efficiency and full automation support.

Key Advantages

CRI > 80
 Various Optics to maximize uniformity for variant conditions
 Advanced wireless control for single & multiple fixture groups (See JWLC Documentation)

GENERAL INFORMATION

Dimensions (mm)	68 X 49 X 1132
Weight	1.2 kg
Materials	Aluminum, PMMA, Polycarbonate
Warranty	Up to 5 years
MTBF	MTBF > 900,000 hours Telcordia SR-332 (Bellcore)

OPERATING AND ELECTRICAL

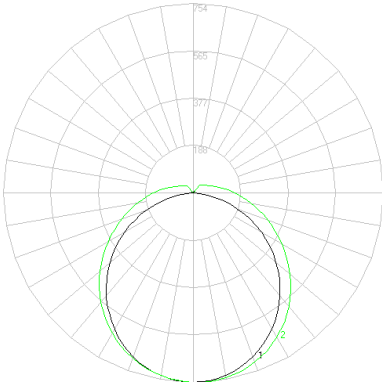
Power Consumption	0 to 25 W
Power Factor	> 0.92, max current THD 15% at 220V
Dimming	factory set, 0 to 10V, Dali, wireless control
System Efficacy	160 LPW (including PS & Optics)
Operating Voltage	110 – 277 VAC
Maximal Voltage	90 – 305 VAC
Operating Frequency	47 – 63 Hz
Ingress Protection Rating	IP20
Operating Temperature	–25° to 50°C ambient
Cooling	Passive Cooling

LIGHTING CHARACTERISTICS

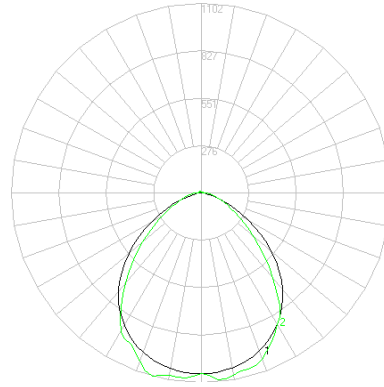
Lumen Maintenance	TM21 based on ISTMT and LM80 L70 > 100,000 hours L80 > 70,000 hours
Correlated Color Temperature (CCT)	3000K - 5000K
Color Rendering Index (CRI)	>80
Standards & Certifications	EMC 2014/30/EC directive, LVD 2014/35/EC directive, Europe NOM-003/031/058, Mexico

Photometric Curves

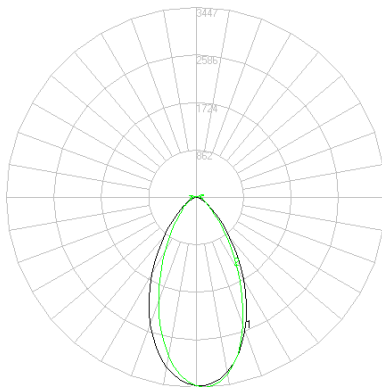
D01 – 120 deg



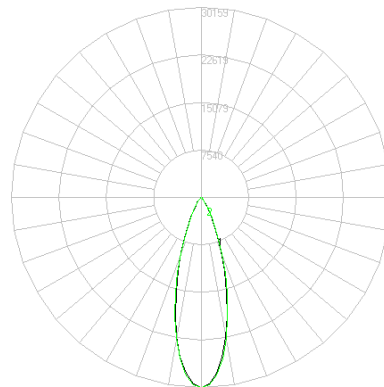
D02 – 90 deg



D03 – 60 deg



D04 – 30 deg



Mounting

Suspended

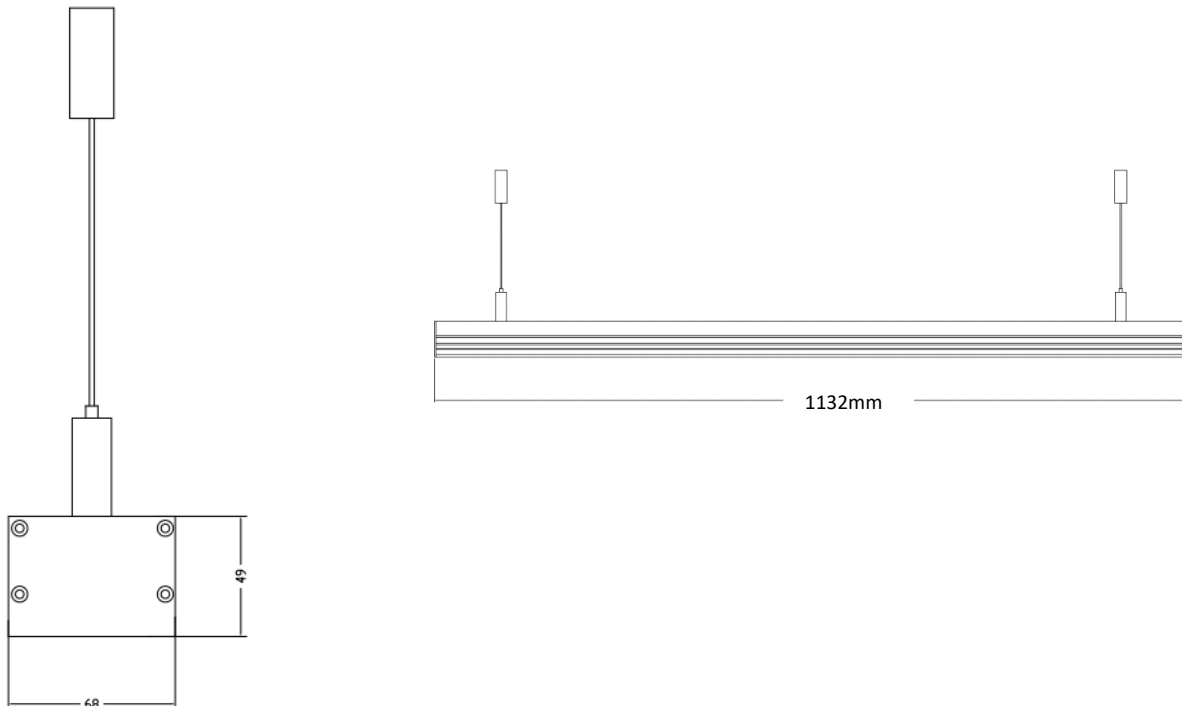
Performance

Power [W]	Typ. efficacy [LPW]	Total lumens [LM]
25	160	4000

Packaging and Weight

Power	Lighting Fixture Dimensions (mm)	Packaging Dimensions (mm)	Net Weight	Gross weight
25W	68*49*1132	330*200*1195 (8 per pack)	1.2kg	11.5kg/CTN (8 per carton)

Mechanical Dimensions



The Information provided herein is subject to change without prior notice by Juganu. Please verify all details with Juganu. All values are typical values when measured under normal laboratory conditions, and Juganu makes no warranties, expressed or implied, that such performance will be obtained under end-use conditions.

Ordering Information

Product	Power	Family	CCT	Wireless (COM)	Curve
JLED-LL	25W	CENTELLA	xx	Wx	Dxx

		Default
CCT (other values possible)	30 – 3000K 40 – 4000K 50 – 5000K	Standard
Wx	W0 – no dimming W1 - Dimming cable 0-10V for external dimming W2 - Dimming cable DALI for external dimming WL – Jugnu wireless solution is integrated	Standard
Distribution curves	Dxx – see distribution curves	D03 is standard

#Ordering Example

JLED-LL-025W-CENTELLA- 40-W0-D03

Description

JLED office light of the Centella family with 25W, 4000K, no wireless, and with distribution curve D03