

JUGANU

Nelly



Smart Retail Fixtures

The Nelly family of office lights by Juganu is efficient, lightweight and reliable. High system efficacy of up to 150LPW 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.

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

Nelly is designed to meet office luminance and illuminance requirements.

Features

- Patent-pending Passive Cooling (junction temperature < 50°C)
- CCT (Typical) – 3000K - 5000K
- Low UGR <16
- Photo-biologic: IEC62471 compliant, with risk group exempt
 - Blue Light: IEC62778, IEEE1789 compliant

Benefits

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



Nelly

Retail & Commerce

Product Segment: Retail & Commerce

Product Type: Office

Product Family: Nelly

The Nelly family of Retail luminaires by Juganu provides all the benefits of JLED®.

Key Advantages

CRI > 80

Various Optics to maximize uniformity for variant conditions.

Advanced integrated wireless control for single & multiple fixture groups.

Juganu wireless proprietary low bandwidth network integrated into light fixtures, that uses the sub-GHz unlicensed spectrum. It is designed to address common challenges to Retail solutions.

GENERAL INFORMATION

Dimensions (mm) 600x600, 600x1200, 300x1200

Materials Aluminum, Polycarbonate

Mounting Recessed , suspended

Recommended installation height 2.5 to 3.5 m

Warranty Up to 5 years

MTBF MTBF > 900,000 hours Telcordia SR-332 (Bellcore)

OPERATING AND ELECTRICAL

Power Consumption 0 to 80W

Surge Protection 2 KV Protection (optional 6KV/10KV)

Power Factor > 0.92, max current THD 15% at 220V

System Efficacy up to 150 LPW (including PS & Optics)

Operating Voltage 110 – 264 VAC

Maximal Voltage 90 – 277 VAC

Operating Frequency 47 – 63 Hz

Dimming (optional) factory set, 0 to 10V, Dali, wireless control

Ingress Protection Rating IP20

Operating Temperature –25° to 50°C ambient

Cooling Passive Cooling

LIGHTING CHARACTERISTICS

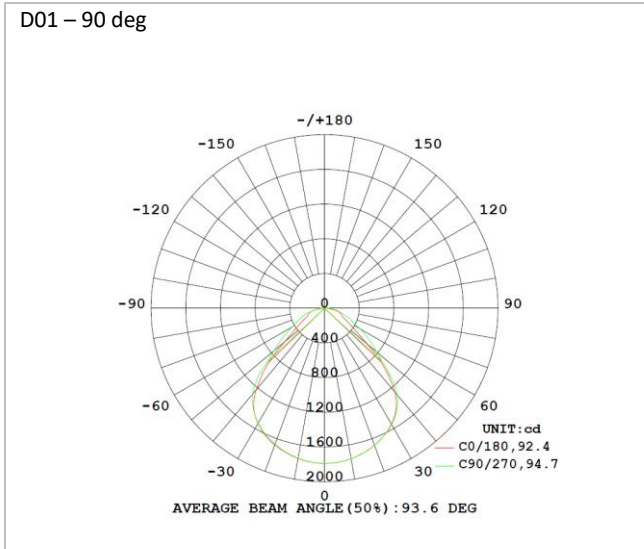
Lumen Maintenance @ 50°C ambient TM21 based on ISTMT and LM80
 L90 > 50,000 hours
 L70 > 100,000 hours

Correlated Color Temperature (CCT) 3000K - 5000K

Color Rendering Index (CRI) >80

Certifications and testing EMC 2014/30/EC directive Europe
 LVD 2014/35/EC directive Europe
 NOM-003-SCFI-2014 Mexico

Photometric Curves



Mounting kit

- Recessed
- Suspended

Performance

Size [mm]	Power [W]	Typ. efficacy [LPW]	Total lumens [LM]
60 x 60	30	150	4,500
30 x 120	30	150	4,500
60 x 120	60	150	9,000

Retail & Commerce

Product Data

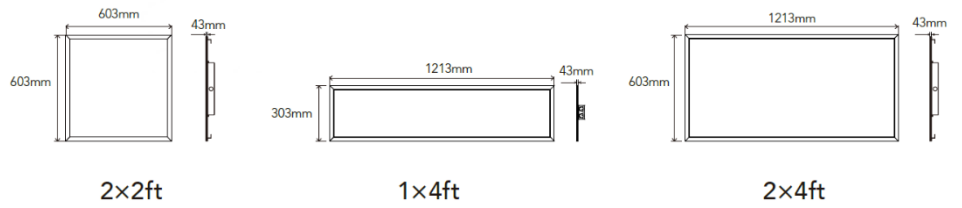
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Mechanical Dimensions



Size [mm]	Net weight	Gross weight
60 x 60	3	4
30 x 120	3	4
60 x 120	6	7

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Ordering Information

Product	Power	Family	CCT	Wireless (COM)	Curve
JLED-PL	xxxW	NELLY	xx	Wx	Dxx

CCT	30 – 3000K 40 – 4000K 50 – 5000K 65 – 6500K	Standard
Wx	W0 – no dimming W1- Dimming cable 0-10V for external dimming W2 - Dimming cable DALI for external dimming WL – Jugnau wireless solution is integrated	Standard
Size	L1 – 60*60 L2 – 30*120 L3 – 60*120	
Distribution curves	Dxx – see distribution curves	D01 is standard

#Ordering Example

JLED-PL-030W-NELLY- 40-WL-L2-D01

Description

JLED office light of the NELLY family with 30W, 4000K, integrated wireless, size of 30cm*120cm and with distribution curve D01