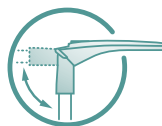


Lenda™

LED LAMP SERIES

- High energy efficiency
- Connectivity & remote control
- Versatile outdoor lighting



*Vertical or horizontal
mounting system*



*Lighting points
networking*



*Motion sensor
management & control*



Lumda™

Compact, economical and performing

The Lumnex Lumda™ range offers LED lighting with high lumen / watt output. Lumda™ luminaires are an energy-efficient outdoor lighting solution for a variety of applications such as residential areas, pedestrian zones, roads, motorways and car parks.

The Lumda™ luminaire is available in two sizes, Lumda-S and Lumda-L, to cover a wide range of lighting powers with an aesthetic design, allowing the luminaire to merge into the urban panorama and be part of a global architecture of the city.

The Lumda™ design offers a compact and cost-effective high performance luminaire. The luminaire provides lateral fixation for 42 to 60 mm (1.5" to 2.0") diameter male end caps.

The luminaire is available in several versions with modules from 24 to 108 LEDs. Several photometric distributions to illuminate residential areas as well as the traffic lanes are available.

The thermal performances are ensured by two mechanisms:

1. **Temperature Control of the LEDs**
via an onboard sensor
2. **Temperature Heat Sink**
via Aluminium Housing with fins

Applications



Lenda-S

Roadway lighting, pedestrian and alley ways, Area and site lighting for parking lot

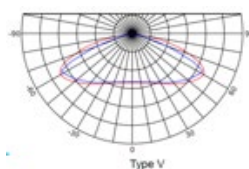
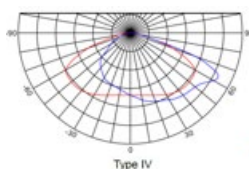
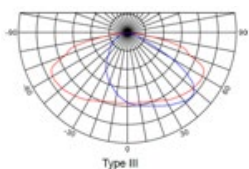
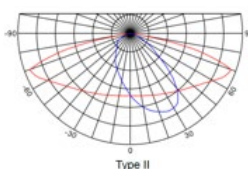
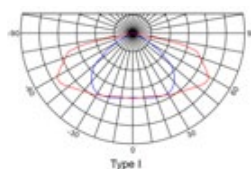


Lenda-L

Playground, sport area, campuses etc. streets and highways

	Lenda-S 60W to 120W	Lenda-L 125W to 235W
Recommended heights	from 4 to 8 m	from 8 to 12 m
Mounting	Top and side mounting	
Outline Dimensions	534 x 246 x 225 mm	713 x 324 x 259 mm
Weight	6.9 kg	13.1 kg
Maintenance	Removable modules	

Lens distributions (5 types available)



Cat. N°	Input Voltage	CCT	Rated lumen	Rated Power	Efficiency	L70 @25°C	Driver Life @25°C
LDA 24	220-240Vac	3000K / 6000K	8700Lm	60W	145 Lm/W	>100.000h	>100.000h
LDA 36	220-240Vac	3000K / 6000K	13.050Lm	90W	145 Lm/W	>100.000h	>100.000h
LDA 48	220-240Vac	3000K / 6000K	17.400Lm	120W	145 Lm/W	>100.000h	>100.000h
LDA 72	220-240Vac	3000K / 6000K	21.750Lm	150W	145 Lm/W	>100.000h	>100.000h
LDA 90-A	220-240Vac	3000K / 6000K	26.100Lm	180W	145 Lm/W	>100.000h	>100.000h
LDA 90-B	220-240Vac	3000K / 6000K	30.450Lm	210W	145 Lm/W	>100.000h	>100.000h
LDA 108	220-240Vac	3000K / 6000K	34.075Lm	235W	145 Lm/W	>100.000h	>100.000h

The above data is rated lumen and power, the real tested data will be something different, due to the rapid and continuous advances in LED technology. LED luminaire data is subject to change without notice.

Strong Points

- Compact, economical and high performance design.
- Dimmable, efficient and economical lighting solution operating in stand-alone mode or integrating into a centralized remote management system.
- Very high efficiency.
- Two sizes: flexibility and consistency for class P1 to P6 and M1 to M6 lighting in accordance with IEC Directive 115.
- Easy and fast installation and maintenance without specific tools.
- Wide operating temperature range:
Ta from -40°C (-40°F) to +55°C (+131°F).
- Compliant with NEMA Socket (option) for adding external communication nodes.
- Overvoltage protection up to 10 kV (20 kV optional).

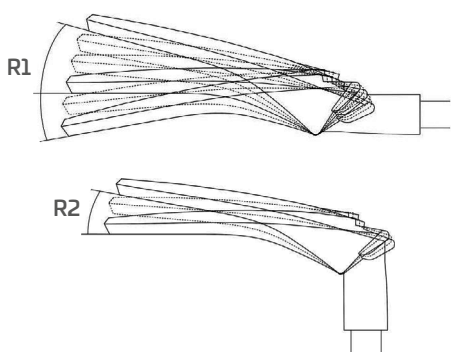


Main characteristics

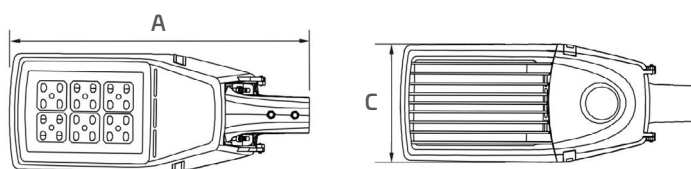
	Lenda-S	Lenda-L
Range of typical Light Outputs	8.700 to 17400 Lm	21.750 to 37.075 Lm
Power consumption*	60 to 120 W	125 to 235 W
Lifetime and residual flow @tq 35 ° C	85% @ 100 000h	
LED color temperature	from 3.000 K to 6.000 K	
Color rendering index (CRI)	> 70	
Protection Index (Sealing)	IP 66	
Shock resistance (glass)	IK 08	
Nominal voltage	220~240 V - 50~60 Hz	
Electric class	Class 1	
Protection against overvoltage	10 kV (20 kV optional)	
Control Interface	DALI or 0-10 V	
Installation height	from 4 to 12 m	
Body Materials	Aluminum injected under pressure	
Weight	6.9 kg	13.1 kg
Color	Grey (RAL 7040), other colors on demand	

Mounting

	Lenda-S	Lenda-L
A	628 mm	780 mm
B	534 mm	713 mm
C	246 mm	324 mm
R1	-10 ° to 15°	
R2	0° to 10°	



Side-entry



Post-top



Lumnex ... in the era of connected cities

Lumnex becomes one of the major players for «Smart City» connectivity.

To do this, Luma has a «pre-connectivity» option via its electrical and mechanical 7 pin NEMA interface.

This NEMA interface allows the city to have an RF management Network for lighting control.

This network also allows remote access to each of the lighting points for control, diagnosis and management of illumination.

The same RF network makes it possible to add connected objects (IoT's) to benefit from the centralized management of other city services such as transport, surface parking, environment, traffic, etc.

Also in our wireless networking Family



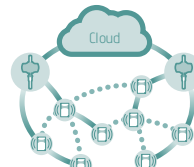
AXESS-RF Ext
with NEMA socket
and photocell



AXESS-RF Int
Deco Node



BCEP-RF
Street Cabinet
Controller



NaaS
RF Network



Lumnex Light
Control
Powered by StreetLight. Vision

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