LED

Street Lighting
GSL-LM-SL18 Serija

80-150W

AC100~240V

IP66 IK09

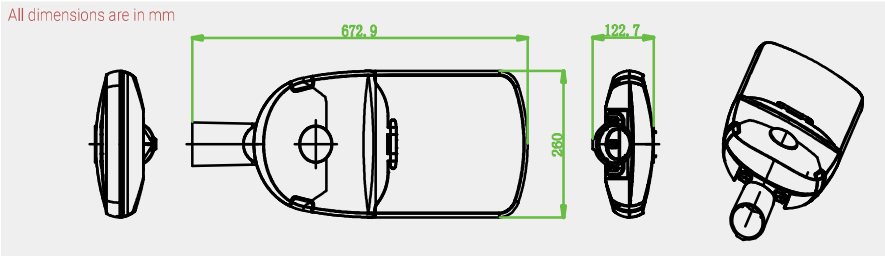
SYSTEM DESCRIPTION

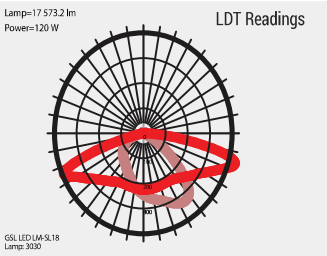
We present our advanced LED street luminaires, offering power ratings from 80 to 150W. Each luminaire is equipped with a high-quality LED driver featuring PWM control, enabling precise regulation of light output and high energy efficiency during operation.

These luminaires are designed with a durable housing featuring a NEMA 7-pin base connector in accordance with the ANSI C136.41 standard, ensuring reliability and safety in a wide range of environments. The controller housed in the NEMA 7-pin enclosure communicates via GSM, WiFi, and/or Bluetooth, while an integrated GPS module enables accurate positioning of each luminaire.

What makes this product stand out is its compatibility with our smart controller. This capability allows for remote control of the luminaires and access to detailed information regarding their performance and operational status. Such control not only enhances convenience but also enables efficient management of your lighting infrastructure. The technical specifications for the available models are presented in the table below.

Model	GSL LM-SL18-80W	GSL LM-SL18-100W	GSL LM-SL18-120W	GSL LM-SL18-150W
Dimensions	620*235*125mm	690*260*130mm	690*260*130mm	810*320*135mm
Lyre holder	48mm, 60mm, 76mm	48mm, 60mm, 76mm	48mm, 60mm, 76mm	48mm, 60mm, 76mm
Power	80W	100W	120W	150W
Flux output	125-150lm/W	125-150lm/W	125-150lm/W	125-150lm/W
Material	pressure die-cast / tempered glass protector			
Mounting angle	±15 degrees upper and side entry			
Color temperature	4000K			
Color Rendering Index	>75Ra			
LED Chip	SMD3030			
Driver	SosenXXVP			
Operating Voltage	100-277Vac			
Surge Protection	L/N-PE: 10kV, L-N: 6kV			
IP Rating	IP66, IK09			
Lifespan	>85 000 hours			





IntelityNET LEDMesh

LED

Decorative street lighting
LM-GSL01 Serija

30-150W

AC100~240V

IP66 IK09

SYSSTEM DESCRIPTION

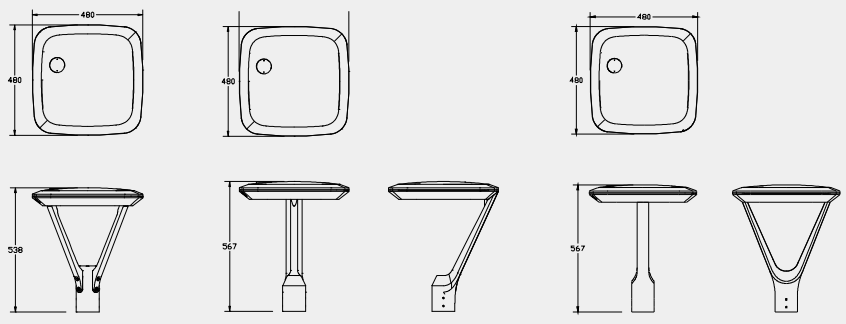
We present our LED decorative street luminaires, offering power ratings from 30 to 150W. The luminaires are equipped with a modern LED driver featuring PWM control, enabling precise dimming, stable operation, and optimal energy efficiency.

These luminaires are designed with a durable housing featuring a NEMA 7-pin base connector in accordance with the ANSI C136.41 standard, ensuring reliability and safety in a wide range of environments. The controller housed in the NEMA 7-pin enclosure communicates via GSM, WiFi, and/or Bluetooth, while an integrated GPS module enables accurate positioning of each luminaire.

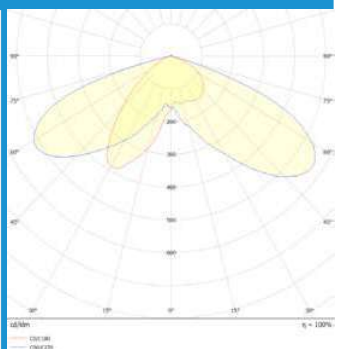
What makes this product stand out is its compatibility with our smart controller. This capability allows for remote control of the luminaires and access to detailed information regarding their performance and operational status. Such control not only enhances convenience but also enables efficient management of your lighting infrastructure. The technical specifications for the available models are presented in the table below.

Model	LM - GSL01A	LM - GSL01B	LM - GSL01C	LM - GSL 01D
Dimensions	D480 * H538mm	D480 * H567mm	D480 * H567mm	D480 * H275mm
Lyre holder	48mm, 60mm, 76mm	48mm, 60mm, 76mm	48mm, 60mm, 76mm	48mm, 60mm, 76mm
Power	30-150W	30-150W	30-150W	30-150W
Flux output	130-170 lm/W	130-170 lm/W	130-170 lm/W	130-170 lm/W
Material	pressure die-cast / tempered glass protector			
Operating temperature	-40°C do +60°C			
Color temperature	4000K			
Color Rendering Index	>75Ra			
LED Chip	SMD3030			
Driver	SosenXXVP			
Operating Voltage	100-277Vac			
Surge Protection	L/N-PE: 10kV, L-N: 6kV			
IP Rating	IP66, IK09			
LifeSpan	>85 000 hours			
Warranty	3 years			

DIMENSIONS AND LDT LIGHT DISTRIBUTION DISPLAY



LM - GSL01A LM - GSL01B LM - GSL01C



LDT Readings

LED

Ulična dekorativna rasveta
LM-GSL09 Serija

30-150W

AC100~240V

IP66 IK09

OPIS SISTEMA

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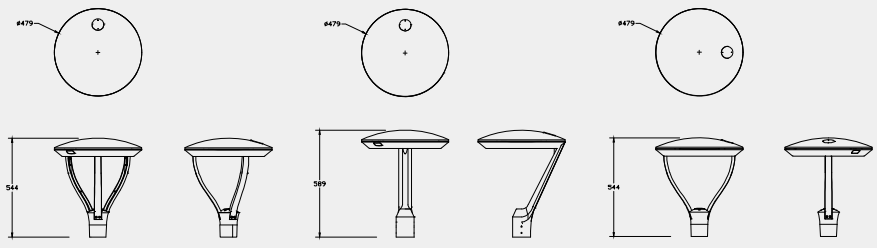
These luminaires are designed with a durable housing featuring a NEMA 7-pin base connector in accordance with the ANSI C136.41 standard, ensuring reliability and safety in a wide range of environments. The controller housed in the NEMA 7-pin enclosure communicates via GSM, WiFi, and/or Bluetooth, while an integrated GPS module enables accurate positioning of each luminaire.

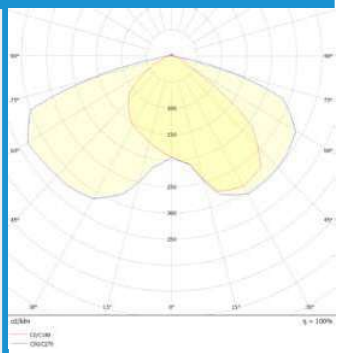
What makes this product stand out is its compatibility with our smart controller. This capability allows for remote control of the luminaires and access to detailed information regarding their performance and operational status. Such control not only enhances convenience but also enables efficient management of your lighting infrastructure. The technical specifications for the available models are presented in the table below.

Model	LM - GSL09A	LM - GSL09B	LM - GSL09C	LM - GSL 09D
Dimensions	D479 * H544mm	D479 * H589mm	D480 * H544mm	D479 * H295mm
Lyre holder	48mm, 60mm, 76mm	48mm, 60mm, 76mm	48mm, 60mm, 76mm	48mm, 60mm, 76mm
Power	30-150W	30-150W	30-150W	30-150W
Flux output	130-170 lm/W	130-170 lm/W	130-170 lm/W	130-170 lm/W
Material	pressure die-cast / tempered glass protector			
Operating temperature	-40°C do +60°C			
Color temperature	4000K			
Color Rendering Index	>75Ra			
LED Chip	SMD3030			
Driver	SosenXXVP			
Operating Voltage	100-277Vac			
Surge Protection	L/N-PE: 10kV, L-N: 6kV			
IP Rating	IP66, IK09			
LifeSpan	>85 000 hours			
Warranty	3 years			

DIMENSIONS AND LDT LIGHT DISTRIBUTION DISPLAY



LM - GSL09A LM - GSL09B LM - GSL09C



LDT Očitavanja

IntelityNET Mesh LED

I-LED Equipment
Model: IntelityNET Mesh LED V1.1

IntelityNet MESH

95~270VAC

- PWM resolution 10 bits.
- GPS Positioning
- WiFi communication[1]
- Bluetooth communication[2]
- OTA[3]
- Consumption measurement[4]
- Client application controled
- PWM-based control

SYSTEM DESCRIPTION

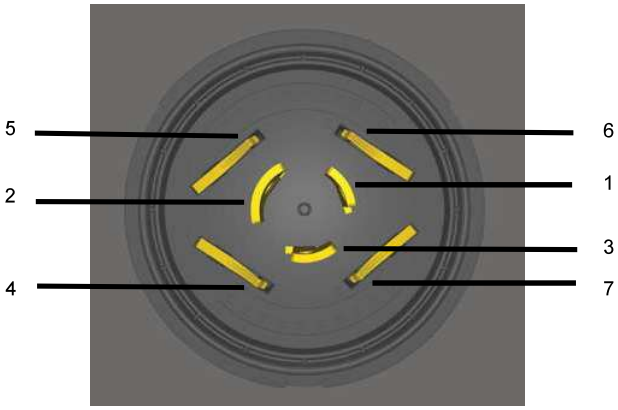
IntelityNET Mesh LED is a device designed for controlling and managing LED drivers up to 500W, intended for street and outdoor lighting applications. It operates within a voltage range of 95–270VAC. Dimming is performed via a 1kHz PWM signal (reprogrammable from 50Hz to 50kHz), and DALI-2 digital dimming is also supported, enabling precise light-intensity control and compatibility with professional lighting systems. By measuring output current during operation, the device provides diagnostics of the connected load. The unit includes real-time GPS positioning, available to the user at any moment. Communication with the application software is achieved via WiFi.
A light sensor enables autonomous control of the LED driver based on ambient light conditions. The device supports three operating modes:

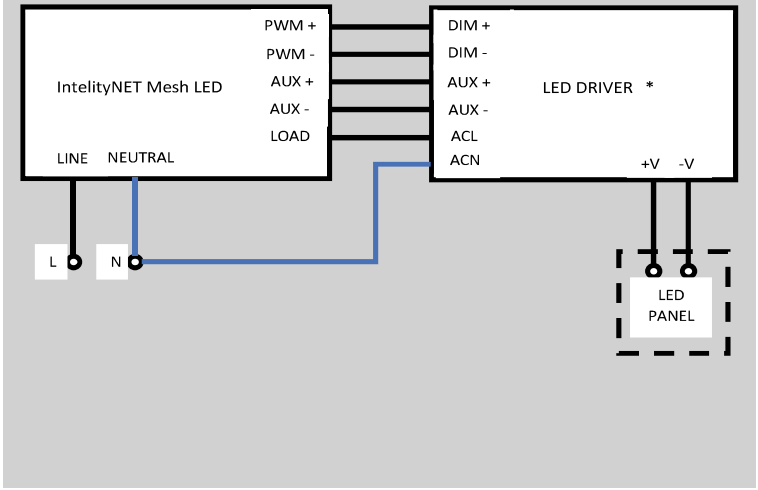
- **Programmed Mode –** The user configures the device's functionality through the application software.
- **Autonomous Mode –** The device automatically controls the LED driver based on external light levels.
- **Manual Mode –** The user can set a fixed operating mode for a single device or a group of devices via the application software.

If necessary, the device's functionality can be upgraded according to user requirements through OTA[3] (Over-the-Air) technology.

MODEL		IntelityNET LED		
INPUT	VOLTAGE RANGE	95 ~ 270 VAC		
	FREQUENCY RANGE	47 ~ 63Hz		
	INPUT CURRENT	<0.2A		
	INRUSH CURRENT	<10A		
OUTPUT	VOLTAGE RANGE	95 ~ 270 VAC		
	CONSTANT CURRENT	3A		
PROTECTION	OVERVOLTAGE	104 ~ 125V		
FUNCTIONS	DIMMING	PWM signal frequency 1kHz, Vmax = 70VDC / DALI		
	LIGHT SENSOR	Resolution: 21,866 DOTS (Maximum daylight intensity)		
MICROCONTROLLER	PROCESSOR	2 x Xtensa® 32bit LX6 od 80 MHz do 240 MHz		
	RAM	8 MB		
	ROM	448 KB		
	EEPROM	8 MB		
	PERIPHERALS	WiFi	Protocol	802.11 b/g/n
			Frequency range	2.4 GHz ~ 2.5 GHz
		Bluetooth	Protocol	Bluetooth v4.2 BR/EDR and BLE
			Radio	NZIF receiver with -97 dBm sensitivity.
				Class1, Class2 and Class 3 transmitter
				AFH
GPS	MODEL	L80-R		
	RECEIVER TYPE	50 Channels		
		GPS L1 frequency, C/A Code		
		WAAS i EGNOS		
	SENSITIVITY	-165dBm		
	SENSITIVITY	2.5m		
ENVIRONMENT	MINIMUMTEMPERATURE	-40°C		
	MAXIMUM TEMPERATURE	+65°C		
	HUMIDITY	0 ~ 98% RH		
OTHER	DIMENSIONS	Height: 95mm Diameter: 85mm		
	IP RATING	IP66		
	IK RATING	IK09 (10J)		
	ENCLOSURE	NEMA 7 pin base		
	LIFESPAN	>85 000 hours		

RASPORED PINOVA I FUNKCIJE



PIN		I/O	OPIS
REDNI BROJ	NAZIV		
1	LOAD	O	Power output to which the load (consumer) is connected.
2	NEUTRAL	I	Input to which the neutral from the power network is connected.
3	LINE	I	Input to which the line from the power network is connected.
4	PWM +	O	Positive output of the PWM signal.
5	PWM -	O	Negative output of the PWM signal.
6	AUX +	I	Power supply for PWM + output.
7	AUX -	I	Power supply for PWM - output.

WIRING DIAGRAM