

# LED

Street Lighting  
GSL-LM-SL18 Serija

## 80-150W

AC100~240V



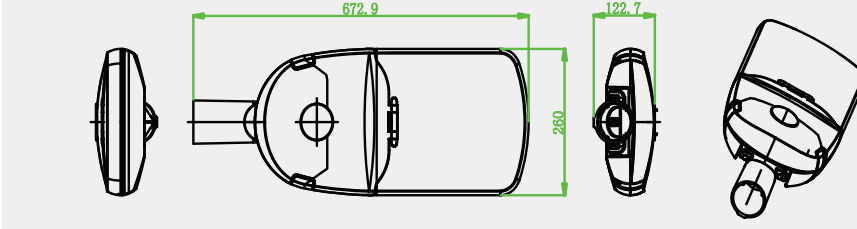
### SYSTEM DESCRIPTION

We present our advanced LED street lights, offering power ranging from 70 to 150W. These lights are designed with a durable housing featuring a NEMA 7 connector according to the ANSI C136.41 standard, ensuring reliability and safety in various environments. The controller in the NEMA 7 pin housing communicates via GSM, WiFi, and/or Bluetooth, and uses GPS for positioning each lamp.

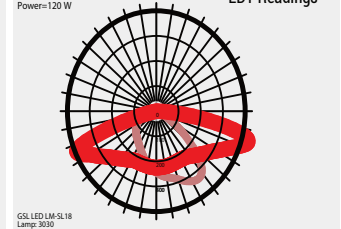
What makes this product special is its compatibility with our smart controller. With this capability, you can remotely manage the lights and access detailed information about their performance and status. This type of control not only improves convenience but also allows for efficient management of your lighting infrastructure. The technical specifications for the given models are shown 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	Aluminum, Tempered Glass			
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			

All dimensions are in mm



Lamp=17 573.2 lm  
Power=120 W



InteliNET LEDMesh

# LED

Decorative street lighting  
LM-GSL01 Serija

## 30-150W

AC100~240V



### LM-GSL01 LED GARDEN LIGHT



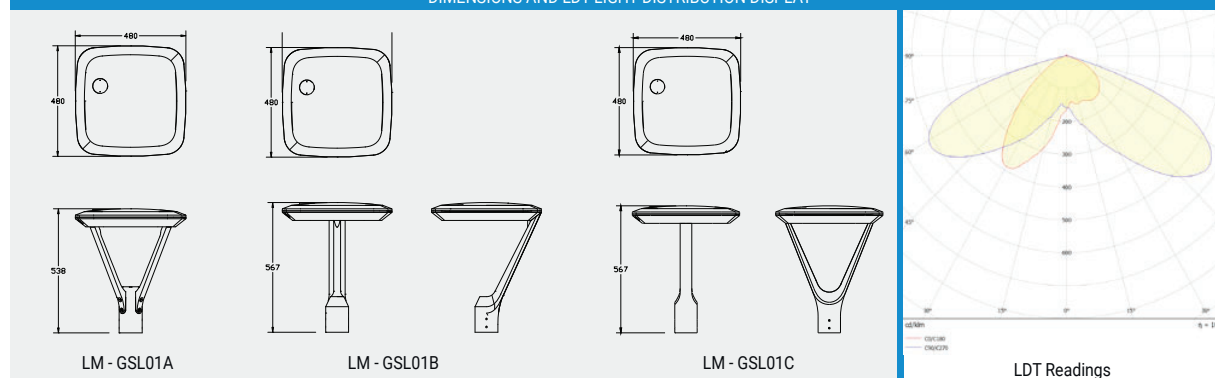
#### SYSTEM DESCRIPTION

We present our LED decorative street lights, which offer power from 30 to 150W. These lights are designed with a durable housing featuring a NEMA 7 connector according to the ANSI C136.41 standard, ensuring reliability and safety in various environments. The controller in the NEMA 7 pin housing communicates via GSM, WiFi, and/or Bluetooth, while GPS is used to position each lamp.

What makes this product special is its compatibility with our smart controller. With this capability, you can remotely control the lights and access detailed information about their performance and status. This type of control not only enhances convenience but also allows for efficient management of your lighting infrastructure. The technical specifications for the given models are shown 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	Aluminum, Tempered Glass			
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



# LED

Ulična dekorativna rasveta  
LM-GSL09 Serija

## 30-150W

AC100~240V



**LM-GSL09 LED GARDEN LIGHT**



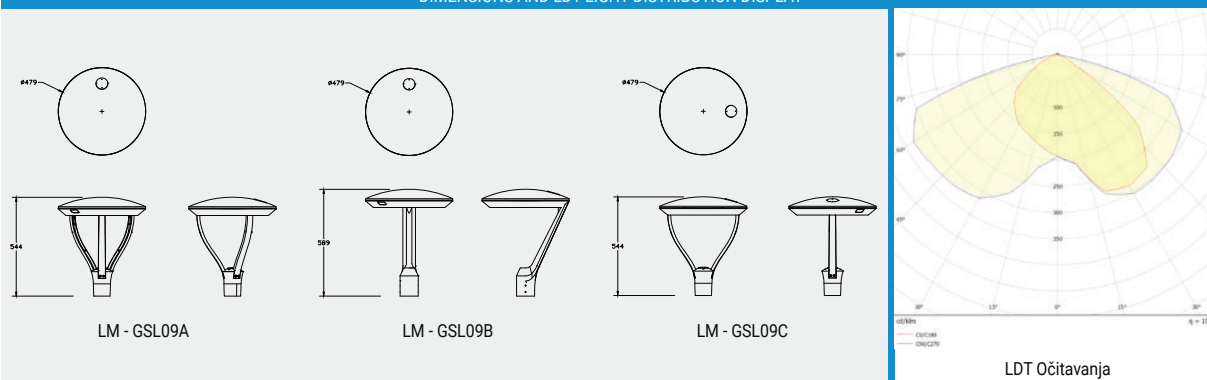
### OPIS SISTEMA

We present our LED decorative street lights, which offer power from 30 to 150W. These lights are designed with a durable housing featuring a NEMA 7 connector according to the ANSI C136.41 standard, ensuring reliability and safety in various environments. The controller in the NEMA 7 pin housing communicates via GSM, WiFi, and/or Bluetooth, while GPS is used to position each lamp.

What makes this product special is its compatibility with our smart controller. With this capability, you can remotely control the lights and access detailed information about their performance and status. This type of control not only enhances convenience but also allows for efficient management of your lighting infrastructure. The technical specifications for the given models are shown 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	Aluminum, Tempered Glass			
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





# IntilityNET Mesh LED

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

IntilityNet MESH

95~270VAC



- PWM resolution 10 bits.
- GPS Positioning
- WiFi communication<sup>1</sup>
- Bluetooth communication<sup>2</sup>
- OTA<sup>3</sup>
- Consumption measurement<sup>4</sup>
- Client application controlled

## SYSTEM DESCRIPTION

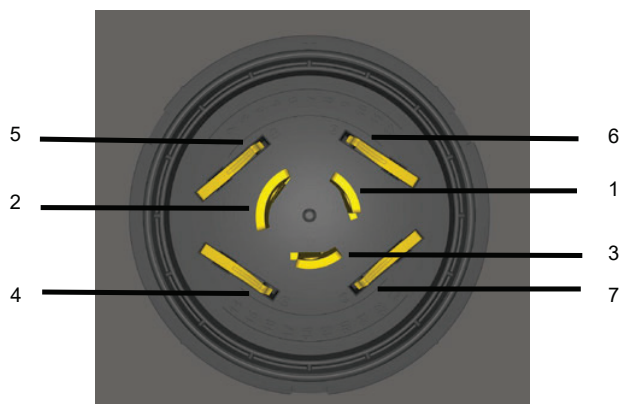
IntilityNET Mesh LED is a device designed for controlling and managing LED drivers with a power capacity of up to 500W, intended for street/outdoor lighting applications. The device operates within a voltage range of 95 ~ 270VAC. Dimming is performed using a 1kHz PWM signal, with the option to reprogram it to a desired range from 50Hz to 50kHz. By measuring the current during operation, the device can diagnose the condition of the connected load. The device features a GPS positioning system that operates in real time, providing the user with continuous access to location data. Communication with the application software is established via a WiFi network. 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<sup>3</sup> (Over-the-Air) technology.

MODEL		IntilityNET 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		
	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		
	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.

