

TECHNICAL SHEET

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Residential and street luminaire



GLT- 01(02)- LED

GLT-01(02) – LED

EN 60598	RoHS	IP66		-40°C÷ +60°C	LED
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About the product

The product GLT-01(02) is a smooth designed, small and light weight luminaire, for residential and small streets lighting. GLT-01(02) LED is the variant equipped with high performance LED modules of the residential and street luminaire range GLT-01(02). Through the incorporated LED technology the product ensures both an efficient and uniform light distribution, and a significant decrease of energy consumption.

Application

The luminaire is designed for residential and street lighting for: alleys, walks, pedestrian ways, parks, pedestrian crossings, local roads, secondary roads, parkings, railway-stations, bus stations, etc.

Light sources

- Power LEDs PHILIPS with specialized optics for road and residential lighting, with colour temperature 4500K-6500K, Ra≥72, with a long lifetime of minimum, 50.000 hours at Ta=25°C.

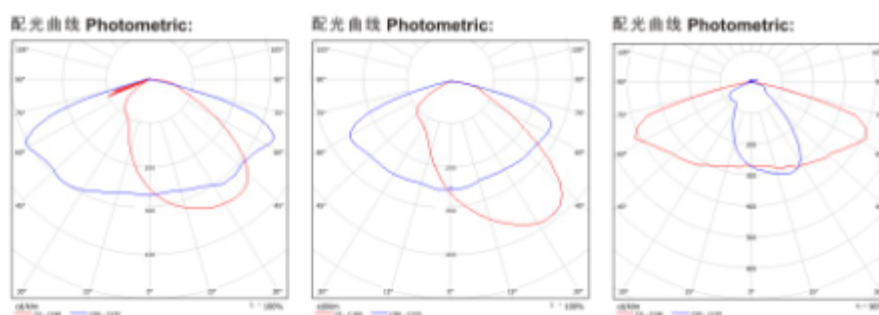
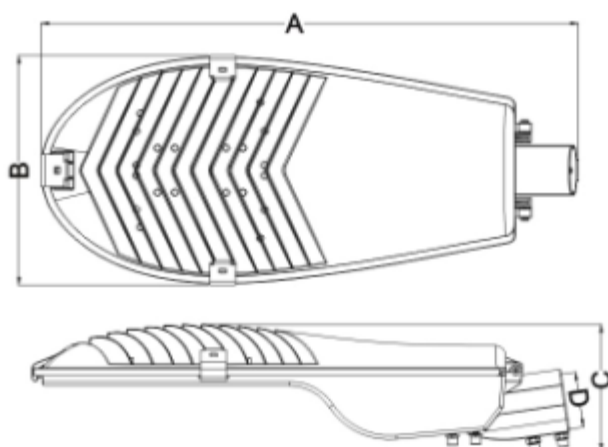
Advantages

A modern luminaire, with LEDs as light sources. Economical system. Reduced energy consumption comparing to conventional lighting. Longer lifetime. Reduced maintenance costs. There are not necessary interventions for light sources replacements during exploitation.

Product type	A [mm]	B [mm]	C [mm]	D [mm]
GLT-01, 20W,30W,50W	522	216	137	Φ50 – Φ60mm
GLT-02, 80W	660	270	137	Φ50 – Φ60mm

Photometric data GLT-01 LED

Light distribution diagram [Cd/1000lm]



Description

- The residential luminaire is composed of:
 - Body and bracket lid injected from aluminium material
 - The mounting system for pole.
 - Transparent glass diffuser, UV and vandal resistant, with easy tool free mounting and dismounting.
 - Optical unit with power LEDs and specialized optics for road and residential lighting,
 - Aluminium passive cooler.
 - Gear (electronic LED driver) included in the product and manufactured according to the specific standards.
 - Steel fasteners for fixing and fastening on pole.
- Colour: grey.

Mounting

- The mounting system for pole, from the end of the body, allows the mounting:
 - on post top spigot (vertical post $\Phi 50 - \Phi 60\text{mm}$)
 - on console side entry (horizontal pipe $\Phi 50 - \Phi 60\text{mm}$).

Technical features

- Rated voltage: 230V/50Hz
- Environment temperature: -40°C...+ 60°C.
- Relative humidity: till 80% at the temperature of + 20°C.
- Mechanical impact resistance: IK07 (IK07 housing, IK10 glass diffuser)
- The luminaire is manufactured according to the requirements of the standards: EN 60598-1, EN 60598-2-3.

Compliance with the European Directives

- Low Voltage Directive
- Electromagnetic Compatibility Directive.
- RoHS Directive. WEEE Directive.

Product type	Rated Voltage (V)	Active power (W)	Power factor	Cos ϕ	Degree of Protection	Weight (Kg)	Total average brut LEDs flux (lm)	Color Temperature (K)
GLT-01-20	230V	20W	≥ 0.90	≥ 0.99	IP66	3,68	2600	5000K
GLT-01-30	230V	30W	≥ 0.90	≥ 0.99	IP66	3,78	3900	5000K
GLT-01-50	230V	50W	≥ 0.90	≥ 0.99	IP66	3,88	6500	5000K
GLT-02-80	230V	80W	≥ 0.90	≥ 0.99	IP66	4,5	10400	5000K