

Technical data sheet S3 Type LED Street Light



• KEY FEATURES

- o 1. High efficiency UL Certification Driver.
- o 2. It's major to replace the traditional street light.
- o 3. Aluminum lamp housing excellent structure for heat dissipation.
- o 4. The surface of lamp housing is anti-corrosion and electrophoresis processed, can be used at seaside.
- o 5. Dust-proof, moisture proof and waterproof, IP66 rated.
- o 6. Excellent optics design, higher luminous efficiency.
- o 7. Compare to traditional lamps can save energy 70%-80%.
- o 8. Minimum 5 years warranty



• FEATURES

- o 1. Beam angle: T2M/T3M/T4M/T5M
- o 2. Green, energy saving and reliable life of 100,000 hours.
- o 3. NO RF interference, No IR/UV radiation, on mercury pollution.
- o 4. Wide colour availability in degrees Kelvin(K), 2700-6700K.
- o 5. Streamline exterior design, beautiful appearance.
- o 6. Environment friendly, energy saving (70~80%).
- o 7. Special circuit design, each LED work separately, avoiding the single broken LED influence
- o 8. Die cast aluminum lamp housing which maximize the performance of heat dissipation to the best.

• APPLICATION

- o It can be widely used in Street lighting, Parking lot, Architectural decorative lighting, squares, construction sites, buildings, etc
- o 1. Area Lighting/Street lighting.
- o 2. Parking lot Lighting
- o 3. Architectural decorative lighting.
- o 4. Roadway Lighting
- o 5. Stadium Lighting



Stadium



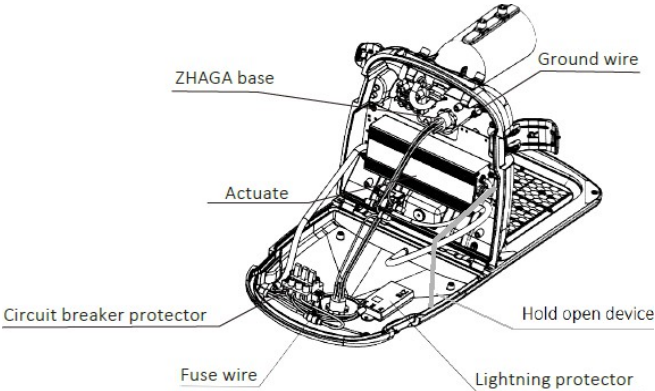
Roadway Lighting

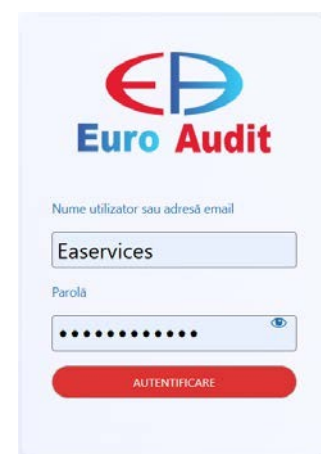


Parking lot Lighting

PERFORMANCE DATA

Application area	The LED lamps produced by BBIER are used for lighting road and pedestrian paths.		
Remote management system	The LED lamps are integrated into a wireless control system that will be integrated into a remote management system Each LED lamp is equipped with a wireless control system that allows remote control (controller). The led lamp is equipped with a maximum of two standardized Zhaga connectors, one on the upper part and one on the lower part of the housing, allowing the installation of an individual control device for integration into the remote management system. The lamp is equipped with a remote management controller, mounted on the upper part of the housing.		
Power	20W		
Model	EA-LD-020-S3		
Voltage	100-277 Vac / 50-60 Hz; 200-480 Vac / 50-60 Hz		
Luminous flux	3200 lm The total luminous flux of the lighting device is determined by the number of LEDs and/or the current applied to the LED terminals		
Dimensions (mm)	559.82*195.63*98.5		
Weight (kg)	2.8		
Beam angle	T2M/T3M/T4M/T5M		
Luminous efficacy	160 lm/W		
CRI	Ra ≥70		
CCT	4000 K		
Operation Temp	-40 °C to +55 °C		
Yield	89%		
Life Span	The led lamp ensures that after 100,000 hours of operation, the luminous flux will not depreciate by more than 10% (L90). The fixtures will be equipped with a CLO (Constant Lumen Output) system, which maintains a constant luminous flux by compensating for the depreciation of the light output over time. This eliminates additional costs resulting from the initial oversizing of the luminous flux and, implicitly, the absorbed power.		
LED	LUMILEDS L150 minimum 10 LEDs regardless of the LED manufacturing technology, to prevent the loss of more than 10% of the luminous flux emitted by the device, in case an LED is damaged. The LED board is equipped with a thermal sensor, which, together with the type of driver used, allows the reduction of the luminous flux if the temperature on the LED sources exceeds the preset critical threshold. The diffuser is of the safety type and in case of breakage it will break into at least 20 pieces to avoid accidents. The LED board is removable, to facilitate maintenance operations and to allow its easy replacement in case of defect, after the warranty period has expired. The LED board is fixed directly to the housing of the lamp, to allow rapid extraction of the heat produced by the LED sources, thus the housing also acts as a radiator. The LED board is powered through quick connectors for easy replacement of the board in case of failure		
Glare index	D3		
Light distribution	The light distribution is of the street type and is not affected by the occurrence of defects on some of the LEDs. Each of the LEDs has the same type of specific lens associated with it, which reproduces the complete light distribution of the lamp.		
Protection	Protection against discharges and atmospheric overvoltages up to 12 KV. Equipped with a bayonet connector inside that allows automatic power interruption when the electrical compartment is opened. The lamp is equipped with protection against switching overvoltage, overload, short circuit and overheating. The protection device is a separate part from the driver and can be replaced in case of failure. 6A fuse		
Materials	The lamp case is made of die-cast aluminum. Transparent diffuser, made of secure flat glass, thermally treated, thickness 4 mm resistant to thermal and mechanical shocks according to UNI EN 12150-1. The diffuser is not glued to the case of lamp. The cover of the electrical accessories compartment is provided with a device to keep it in the “Open” position during maintenance work. The optical compartment is equipped with a clear, flat, tempered glass diffuser. Both compartments (optical and electrical) constitute separate enclosures, to avoid dust/dirt entering the optical compartment in case the electrical accessories compartment is accessed for rewiring. The optical compartment allows its opening for maintenance operations using tools. The electrical accessories compartment allows its opening for maintenance operations without the use of tools. To facilitate maintenance operations, both are opened in a short time, maximum 1 minute, without damaging the components of the lighting fixture. The thermal management is done without striations or cutouts. Thermally conductive aluminum radiator. The lamp is equipped with a level bubble and ventilation valve. The electrical accessories compartment is closed with 4 fixing points. Fixing is done with 2 clamps and 2 closing hinges. The product uses recyclable materials, as confirmed by the attached manufacturer's declaration.		
			
QR CODE	The lamp has a QR code (optional) engraved on the aluminum housing, which ensures readability throughout the lamp's entire service life (100,000 hours). By scanning it, the main information about the lighting fixture is provided)		
			
Driver	The programmable electronic driver, D4i-compatible, is suitable for the type of light source used and has at least the following functions: -Ensures operation with a power factor > 0.94 at 100% output; -Operation at an ambient temperature (Ta) of at least 40 °C; -Built-in protection against surges and atmospheric overvoltages up to 12 kV, for all electronic components integrated into the led led lamp		
Dimming	Available, allow dimming in ranges from 10-100%		
Sensor	Timmer Control, Thermal sensor, Motion Sensor, Photocell Sensor, 3 in 1 dimming, Wifi Zigbee Connect, photocell+timmer control, 3 step dimming, GPRS, 3G/4G, Bluetooth PLC and smart motion sensor; max. 2x Zhaga Controller, Data Concentrator		
Micro wave sensor default setting	Someone brightness 100%, microwave sensitivity 75%, hold time 5 minutes, start illumination 50LUX, continuous brightness 30%, the duration of 30 minutes.		

IK Rating	IK10
IP Rating	IP66
Class	I
PF	≥95
Mounting system	The mounting system is made of high-pressure die-cast aluminum, painted in the color of the led lamp, and allows installation of the lamp on an console/ pole with a diameter between 40 and 76 mm. It allows horizontal or tilted positioning, adjustable from -15° to +20°
Colour	The lamps is delivered in any RAL colour
Warranty	5 years
EAS application	The Euro audit telegestiune application works on a web browser, but is also found in the AppStore and Play Store application stores. Browser Web Link: https://app.easervices.ro/wp-login.php User: Easervices Password: Bmwseria4F32 AppStore Link: https://apps.apple.com/us/app/euro-audit-telegestiune/id6636473457 Magazine Play Link: https://play.google.com/store/apps/details?id=com.euroaudittelegestiune2.Euroaudit
Reports and Certifications	• CE Declaration • ENEC Certificate • ENEC+ Certificate • IP Grade Test Report • IK Grade Test Report • VIBRATION Test Report • TEMPERATURE Test Report • AERODYNAMIC Test Report • BLUE LIGHT test report • EMC Declaration of Conformity and Test Report • LVD Declaration of Conformity and Test report • RoHS Declaration of Conformity • RED Declaration of Conformity
Installation instructions	 



Manufacturer

Shenzhen Bbier Lighting Co., Ltd.

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