



BOXLED SERIES

Led traffic system and equipment

Definition

The BoxLED is designed for street lighting urban low and medium vehicle traffic and for all applications of urban (parks, shopping areas, parking lots, etc ...).

Through the use of LED sources with secondary optics applied on chips the article offers a full range of photometric suitable to cope with different geometries and applications to the diverse categories of installation. This peculiarity allows that system to be able to be used both in contexts recovery installations / existing plants, where energy optimization is the main target to be achieved, both for new lighting systems.

The control electronics, integrated on board the main body, is designed for the fixed light dimmer or remote control, according to the various protocols required in the works, both old and new (PWM stepDIM, 0-10V,) and the needs required by lighting designers.

The device is free from risk photobiological (EXEMPT GROUP) according to EN 62471: 2008 and subsequent IEC / TR 62471: 2009 and is classified as CUT OFF, thus fully complying with the Regulations in force in terms of light pollution.

Spec

Insulation class: Class II
 Rated voltage: 220-240V / V 50 Hz
 Degree of protection: IP65
 Impact protection: IK08
 Overvoltage protection: 10 kV
 Source: No. 24/36/48-LED single chip (type Z5M1 Seoul)
 Color Temp: 3000K - 4000K
 Color Rendering (CRI): > 70
 Total flow system: 2650 > 9100lm (single chip)
 Current Steering: 350 > 700mA
 Total power: 28 > 119W (single chip)
 Total Efficiency: > 100lm / W (in the various config.)
 /Flux Regulation: 1-10V / Powerline / Line Driver / DALI
 Useful life: 50,000 hours @ 700mA @ Ta 85 ° C TM21
 Optical System: Secondary Lenses PMMA for issuing Symmetric / Asymmetric
 Photobiological safety: Class 0 (Exempt Group)
 ULOR / DLOR: 0% - 100%
 Reference Standards. 60598: 1 / EN60598-2-3 / EN62471 / EN61547

Mechanics

Mechanics:
 Main Structure: Body Sheet Metal Metallica 10/10 FE360 pregalvanized
 Screen: screen-printed tempered glass 4mm
 Fastening Systems: Die cast aluminum Alloy EN AB 46100
 Seals: Silicone foam UV resistant
 Screws: Stainless steel A2
 Type Fixing: Head Palo / outreach / Wall
 Poles diameter: 45 > 76mm
 Tilt: Adjustable step 5 ° 0 ° > 20 ° (High / Low)
 Isolator: Auto Built-2,5 mmq

Photometry



Street Optic Asymmetrical

Optic Symmetrical