LT-BL BOLLARD

LI-TIAN LIGHTING

LT-BL Series LED bollard offers an understated, contemporary design that delivers beautiful outdoor lighting while unobtrusively blending with surrounding architecture and landscape details. Asymmetrical light distribution aims light downward creating pools of tightly controlled light, ideal for outdoor path and campus illumination. This timeless outdoor light fixture comes in two marine-grade powder coat finishes: Bronze and Black.

- **Marine-grade powder coat finish and stainless steel hardware**
- **Options: Emergency Back-up，Motion sensor，1-10V/DALI Dimming，R G B Decorative strip**
- **Wet listed, IP65**

SPECIFICATIONS

DELIVERED LUMENS	960 / 1920
WATTS	12/24
VOLTAGE	Universal 220-240V(120-277V), with integral transient 2.5kV surge protection (driver)
DIMMING(Options)	1-10V, ELV, DALI
LIGHT DISTRIBUTION	asymmetrical
MOUNTING OPTIONS**	Bolt
CCT	3000K or 4000K/5000K
PERFORMANCE OPTIONS	Emergency Back-up，Motion sensor, R G B Decorative strip
CRI	80+
COLOR BINNING	3 Step
BUG RATING	B1-U2-G0
DARK SKY	Compliant
WET LISTED	IP65
GENERAL LISTING	CE
START TEMP	-30°C
FIELD SERVICEABLE LED	Yes
CONSTRUCTION	Aluminum
HARDWARE	Stainless Steel
FINISH	Marine-Grade Powder Coat
LED LIFETIME	L70; >60,000 Hours
WARRANTY*	3 Years

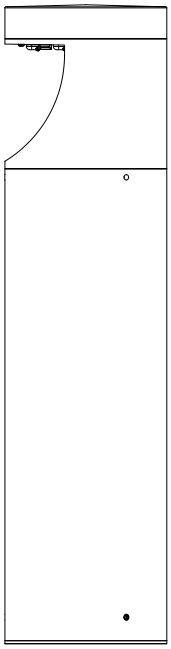
Unilateral

Bilateral

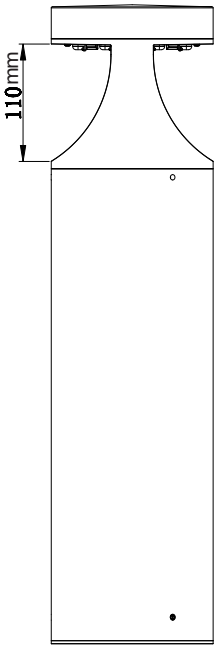
ORDERING INFORMATION

PRODUCT	CRI/CCT	LENGTH	FINISH	VOLTAGE	OPTIONS
LT-BL	**830** 80 CRI, 3000K **840** 80 CRI, 4000K **840** 80 CRI, 5000K	**250mm** **600mm** **1000mm**	**B** BLACK **Z** BRONZE	**UNV** 120V–277V **NV** 220-240V	**MS** Motion sensor **CA** R G B Decorative strip **EM** EMERGENCY BACK-UP **TG** DALI

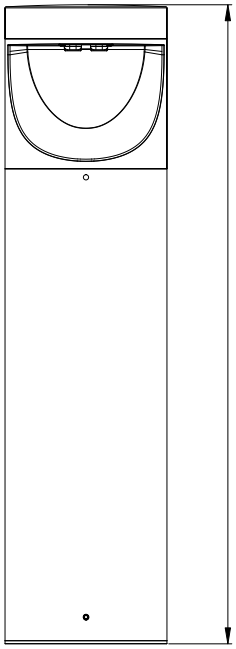
Size



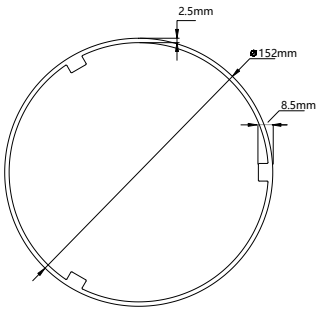
Unilateral



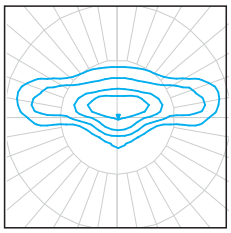
Bilateral

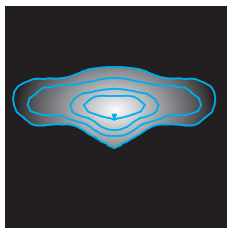


Positive



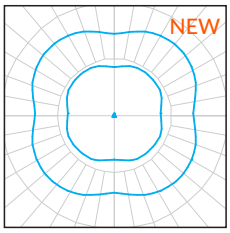
Light distribution curve

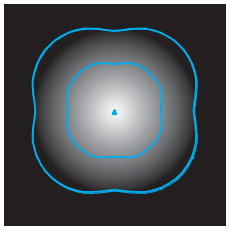




T2 Optic (standard)

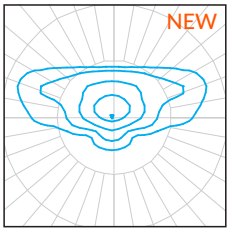
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.

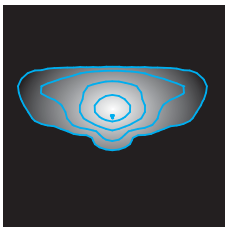




T5 Optic

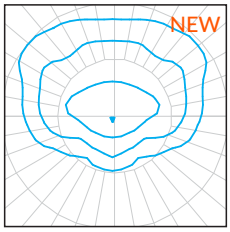
Type V produces a symmetrical distribution that has the same intensity at all angles. This distribution has a uniform symmetry of candlepower that is essentially the same at all lateral angles. It is meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary

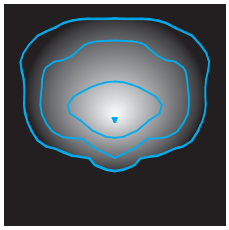




T3 Optic

The type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.
Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.

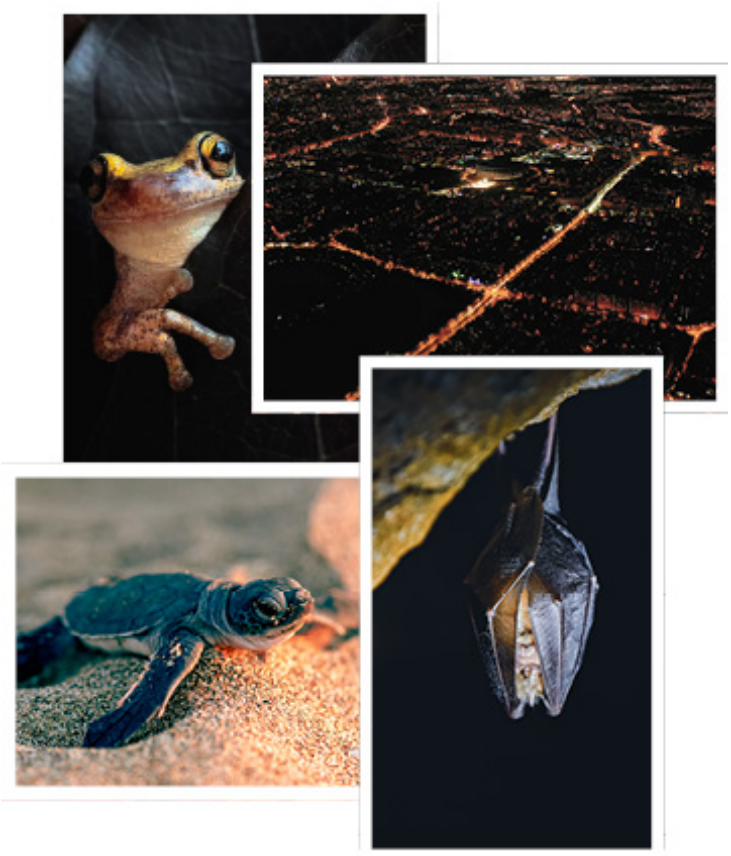




T4 Optic

The type IV distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illumi-nating the perimeter of parking areas and businesses. The intensi-ty of the Type IV lighting has the same intensity at angles from 90 degrees to 270 degrees.
Type IV light distributions have a preferred lateral width of 60 degrees. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.

LI-TIAN LIGHTING



Create biologically sustainable lighting with Amber lenses

Eliminate blue light and provide always warm colours with white light LEDs.

Us and those around us
We are constantly increasing our knowledge about what good lighting is and want to remain at the forefront in providing the best optical solutions to enhance well-being for both ourselves and the ecosystem around us. In urban environments illumination itself, or sudden changes to it, can influence how nocturnal fauna behave. Some species of both flora and fauna are especially sensitive to changes in brightness levels or light wavelengths, as they influence how they communicate, navigate, or reproduce. Many species are especially sensitive to the lower part (blue light) of the spectrum from 380 to 500 nanometres which should be avoided where possible

the data

Conclusion

Amber lenses cut down the blue light spectrum from white light LEDs to provide safer lighting for night-time surroundings.

Compared to a typical 6000 lm park luminaire the savings in luminaire component cost with AMBER lenses is around half that of amber coloured LEDs with clear lenses. (To achieve the same lumen output only half as many LEDs and optics are needed). This results in a more compact luminaire design and less pressure on our environment.