



The Keene LED **Commercial bollard** will provide you with classic low-glare pathway illumination combined with energy-saving LED technology. This bollard has great light uniformity and a tough architectural bronze finish. Move into the future with the low maintenance Commercial bollard.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering guide

example: BL25-NW-G1-5-8-BZ

| Luminaire | LED Color | Generation | Distribution | Voltage | Finish |
|------------------------------------|--------------------------------------|------------------------|-----------------------------|---------------------|------------------|
| BL25 | NW | G1 | 5 | 8 | BZ |
| BL25 LED Commercial Bollard | NW Neutral White 4000K, 70CRI | G1 Génération 1 | 5 Type 5 Symmetrical | 8 120-277VAC | BZ Bronze |

LED Wattage and Lumen Values

| Neutral White Ordering Code | Total LEDs | LED Current (mA) | Color Temp.(K) | Average System Wattage ¹ | Lumen Output ^{1,2} | Efficacy (LPW) |
|-----------------------------|------------|------------------|----------------------|-------------------------------------|-----------------------------|----------------|
| BL25-NW-G1-5-8-BZ | 84 | 650 | 4000K (3985K +/-275) | 25.9 | 2508 | 97 |

1. Wattage and lumen output may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.

2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

NOTE: Contact your Keene representative for additional photometric tests or information.

Predicted Lumen Depreciation Data

| Ordering Code | Ambient Temp °C | System Current | Driver mA | L ₇₀ per TM21 ^{1,2} | Lumen Maintenance @ 54,000 hrs |
|--------------------------|-----------------|----------------|-----------|---|--------------------------------|
| BL25-NW-G1-5-8-BZ | 25 | 93 mA | 650 mA | >54,000 | 81% |

1. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.

2. Calculated per IESNA TM 21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

BL25 Commercial Bollard

Landscape

Specifications

Housing and Heat Sink

Main body housing made of die cast aluminum alloy for a high resistance to corrosion. Luminaire shaft features a cylindrical extruded aluminum base housing. Bottom section has a casted ring for ease of assembly. It attaches to base assembly with four (4) allen drive set screws.

Mounting

Base assembly consists of a die cast platform. Assembly is secured and leveled to the mounting foundation with four (4) 3/8"-16 X 12" X 2.9" (M10x 1.5 x 30.5cm x 7.5cm) anchor bolts on a 5-3/4" (14.6cm) bolt circle. Mounting template and anchor bolts included.

Lens

UV Stabilized Polycarbonate Lens.

Light Engine

Composed of 3 main components: LED Module / Optical System / Driver. Electrical components are RoHS compliant. LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines extrapolations in accordance with IESNA TM-21. Metal core substrate ensures greater heat transfer and longer lifespan.

LED Module

Composed of mid-power performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985 +/- 275K or 3710K to 4260K), CRI 70 Min.

Optical System

Type 5 distribution

Driver

Driver efficiency (>85% typ. standard). 120-277V. High power factor of 90% min. Electronic driver, operating range 50/60 Hz, Class 2.

Hardware

All exposed screws shall be stainless steel and/or corrosion resistant. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Other Integrated Features

Surge Protection: Each luminaire is provided as standard with surge protector (Signify designed SP1 or SP1HV) tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground.

Wiring

Insulated internal wiring located inside the housing, silicone seals all places where wiring passes through openings. Due to the inrush current that occurs with electronic drivers, recommend using a time delay or slow blow fuse to avoid unnecessary and unwanted fuse blowing that can occur with fast acting fuses.

Finish

Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat textured bronze finish.

LED Products Manufacturing Standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with EC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Certifications and Compliance

cULus Listed for Canada and USA. DesignLights Consortium qualified. Entire luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F).

IP65 Rating

Luminaire including light engine and driver/electrical compartment IP65 rated.

Limited Warranty

5-year limited warranty. See signify.com/warranties for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

Dimensions

