



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
<b>BL25</b>	<b>NW</b>	<b>G1</b>	<b>5</b>	<b>8</b>	<b>BZ</b>
<b>BL25</b> LED Commercial Bollard	<b>NW</b> Neutral White 4000K, 70CRI	<b>G1</b> Generation 1	<b>5</b> Type 5 Symmetrical	<b>8</b> 120-277VAC	<b>BZ</b> Bronze

### LED Wattage and Lumen Values

Neutral White Ordering Codes	Total LEDs	LED Current (mA)	Color Temp.(K)	Average System Wattage <sup>1</sup>	Lumen Output <sup>1,2</sup>	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 Codes	Ambient Temp °C	System Current	Driver mA	L <sub>70</sub> per TM21 <sup>1,2</sup>	Lumen Maintenance @ 54,000hrs
BL25-NW-G1-5-8-BZ	25	93mA	650mA	>54,000	81%

1. L<sub>70</sub> is the predicted time when LED performance depreciates to 70% of initial lumen output.

2. Calculated per IESNA TM 21-11. Published L<sub>70</sub> 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](http://signify.com/warranties) for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

### Dimensions

