

# BL615

LED BOLLARD LIGHT



PROJECT

DATE

TYPE

NOTES

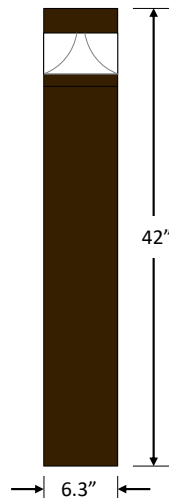
REV: 12 2020



Round



Square



## DIE-CASTED ALUMINUM HOUSING

Cast aluminum housing with dark bronze, powder coat finish.  
High impact, polycarbonate lens.

## FEATURES

Available in 4000K and 5000K CCT  
0-10vdc dimming drivers, which provide 10% continuous dimming are standard.  
Universal 120-277V STANDARD  
IP65 rated for ingress protection.  
Complies with FCC Part 15, class A.  
Complies with RoHS (Restriction on Hazardous Substances) requirements.  
cULus listed for wet locations in ambient temperatures from -40°C to 50°C.

## PRODUCT APPLICATIONS

Walkways  
Playgrounds  
Residential Areas  
Business Districts  
Parks & Recreational Fields  
Commercial Areas

When Specifying Options, Please Check with Factory for Availability and Lead-Time.

## ORDERING GUIDE

Sample Part # BL615 - R - 21W - 40K - BZ

MODEL	STYLE	WATTAGE	COLOR TEMPERATURE (CCT)	HOUSING COLOR
BL615	S Square R Round	21W	40K 4000K NEUTRAL WHITE 50K 5000K COOL WHITE	BZ BRONZE

## MOUNTING KIT ORDER SEPARATELY

Sample Part # BL615-S-MTGKIT

### PART NUMBER

**BL615-R-MTGKIT** Anchor bolt for round bollard

**BL615-S-MTGKIT** Anchor bolt for square bollard

## ELECTRICAL DATA

Sample Part # BL615 - 25W - 30K - 120 - BZ

Model	DLC PART NUMEBR	CRI <sup>1</sup>	Luminaire	Luminaire	Lumens	Input Voltage	Input Current (A)		
			Lumens	Watts	Per Watt		120V	240V	277V
BL615-R-21W-40k-Bz	BOL-R-27L-4K	> 80	2,772	22	129	120-277	0.18	0.09	0.08
BL615-R-21W-50k-Bz	BOL-R-27L-5K	> 80	2,785	21	130	120-277	0.18	0.09	0.08
BL615-S-21W-40k-Bz	BOL-S-27L-4K	> 80	2,739	22	126	120-277	0.18	0.09	0.08
BL615-S-21W-50k-Bz	BOL-S-27L-5K	> 80	2,756	21	130	120-277	0.18	0.09	0.08

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# 6" BOLLARDS

## LED BOLLARD LIGHT

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Fast Flexible Focused Lighting

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### PRODUCT SPECIFICATIONS

#### PHOTOMETRIC DATA

##### BL615

###### Luminaire Data

Description	BOLLARD (ROUND) 27L, 5K
Total Lumens	2,796
Input Wattage	21
Efficacy (lm/W)	131
Max. Cd.	827.74 (45H, 54V)
IES Classification	Type IV
Longitudinal Classification	Very Short

###### Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	157	5.6%
0-60°	1,584	56.7%
0-80°	2,485	88.9%
80-90°	202	7.2%
0-90°	2,687	96.1%
90-110°	77	2.7%
110-180°	0	0.0%
0-180°	2,796	100.0%

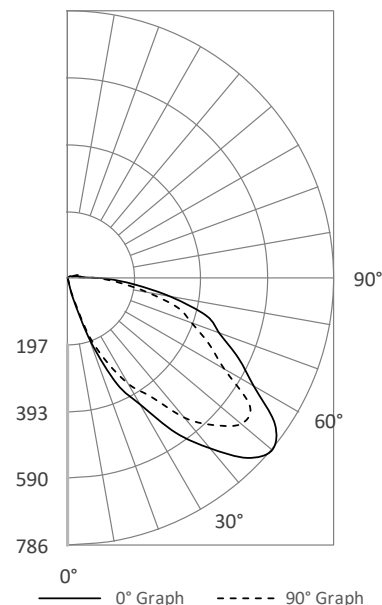
###### Luminaire Classification Systems (LCS)

LCS Zone		Lumens	%Lum
FL	0-30	85	3.1%
FM	30-60	749	26.8%
FH	60-80	463	16.6%
FVH	80-90	104	3.7%
BL	0-30	71	2.5%
BM	30-60	679	24.3%
BH	60-80	438	15.7%
BVH	80-90	98	3.5%
UL	90-100	49	1.7%
UH	100-180	61	2.2%
Total		2,796	100.0%

BUG Rating

B1-U3-G2

###### 180° Polar Graph



##### BL615

###### Luminaire Data

Description	BOLLARD (SQUARE) 27L, 5K
Total Lumens	2,760
Input Wattage	21
Efficacy (lm/W)	130
Max. Cd.	757.38 (90H, 51V)
IES Classification	Type VS
Longitudinal Classification	Short

###### Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	153	5.5%
0-60°	1,525	55.2%
0-80°	2,465	89.3%
80-90°	167	6.1%
0-90°	2,632	95.4%
90-110°	90	3.3%
110-180°	0	0.0%
0-180°	2,760	100.0%

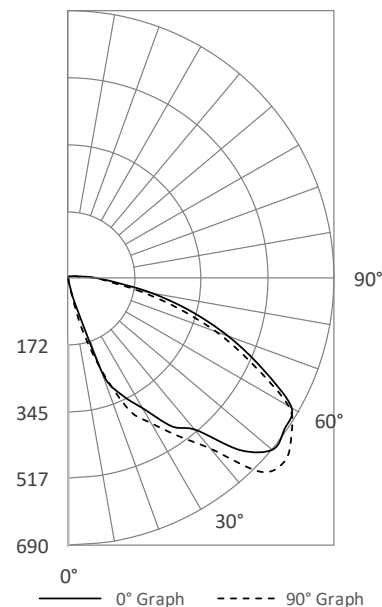
###### Luminaire Classification Systems (LCS)

LCS Zone		Lumens	%Lum
FL	0-30	84	3.0%
FM	30-60	695	25.2%
FH	60-80	463	16.8%
FVH	80-90	79	2.9%
BL	0-30	69	2.5%
BM	30-60	676	24.5%
BH	60-80	477	17.3%
BVH	80-90	88	3.2%
UL	90-100	63	2.3%
UH	100-180	65	2.4%
Total		2,760	100.0%

BUG Rating

B1-U3-G1

###### 180° Polar Graph



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### PRODUCT SPECIFICATIONS (CONT.)

#### SQUARE ANCHOR BOLT INSTALLATION

##### MOUNTING ACCESSORIES PREPARATION

Remove the accessories in Fig1 from the package, and make sure all parts in good condition and right qty's.

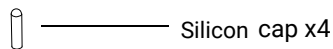
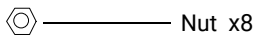
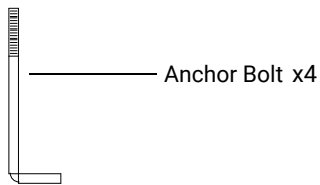
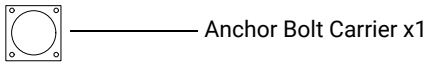
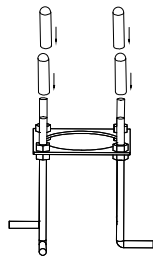
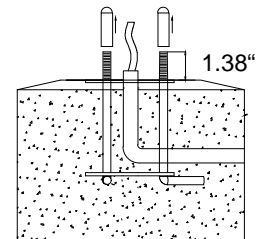
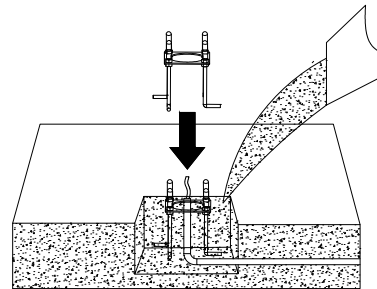


Fig1



##### INSTALLING ANCHOR BOLT

- Prepare site. Get the anchor bolt carrier assembled as Fig2 and protect the threads from concrete splash with silicon caps.
- Ensure that concrete base is suitable for the bollard load.
- Sink the anchor bolts into the concrete as Fig3 leaving the threaded portion 1-1/2~2" as Fig4 above the cement. And remove the silicon caps.



#### SQUARE LED BOLLARD INSTALLATION GUIDE

##### ⚠ WARNING

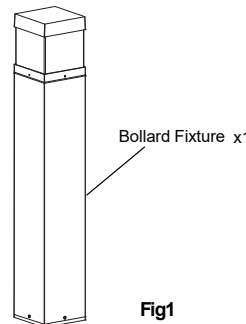
IMPORTANT – This Bollard must be installed on the anchor bolts provided. Please see instructions for anchor bolt kit for more details.

##### RISK OF FIRE, ELECTRIC SHOCK, INJURY OR PROPERTY DAMAGE.

- Risk of electric shock--Disconnect power to equipment before installing or servicing. This equipment must be installed according to all applicable codes & ordinances.
- Installation and service of this equipment must be performed by qualified service personnel.
- Read these instructions before installing, servicing or maintaining this equipment.
- Save these instructions for maintaining and servicing.
- The installer must ensure that the foundation is stable and can support the luminaire's weight.
- The Installer must use proper means to secure the luminaire to the ground.

##### LUMINAIRE PREPARATION

Remove the luminaire (Fig1) and accessories (Fig2) from the carton and inspect luminaire for damage. Do not install a damaged luminaire.



- A Nut x8
- B Spring Washer x4
- C Flat Washer x8

Fig2

##### INSTALLING BOLLARD

- Disassemble the fixture by loosening the set screws x3 with hex wrench. (Fig3)
- Lay the fixture down by the side of the installed anchor bolts. Keep the wires connected (Fig4)

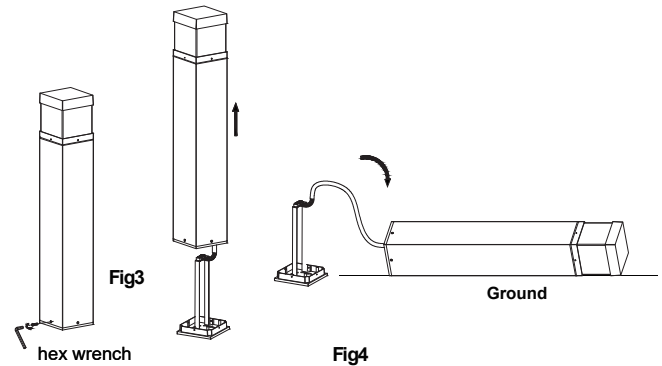
# 6" BOLLARDS

## LED BOLLARD LIGHT

### PRODUCT SPECIFICATIONS (CONT.)

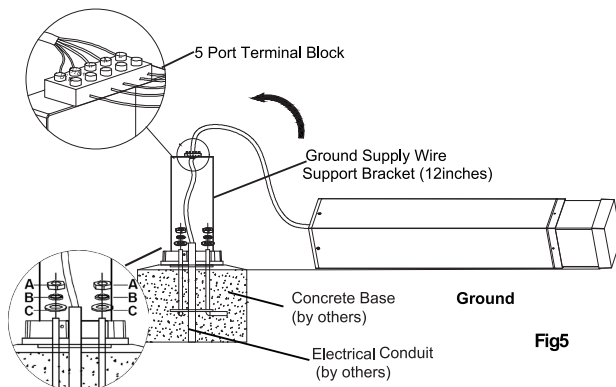
#### ⚠ CAUTION

- **Sharp edges:** Wear gloves while handling or servicing this equipment.
- Inspect equipment for damage from shipping and handling.
- **Recommended cleaning:**
  - Wipe off dust with a dry, soft cloth. Remove greasy spots etc. with a soft cloth dampened in lukewarm water (<122°F/ 50°C) with a mild detergent.
  - Never use detergents containing abrasives and solvents.
  - Warning: Scouring powder and similar substances will scratch surfaces.



- **Note:** Can be installed by anchor bolt. See Anchor Bolt instructions. Any additional nuts and washers may be used to level the bollard.

- Place bollard base plate over anchor bolts and tighten nuts securing the base plate to the foundation.
- As the wires shown on (Fig5) will not be disconnected during installation, so please double check to make sure they are in good connection after the base installation.



#### WIRING DIRGRAM

Class 1 wiring only.

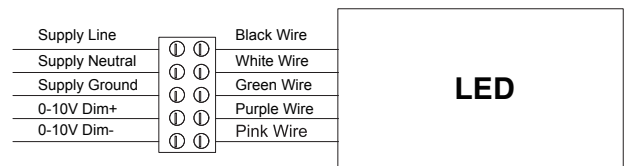
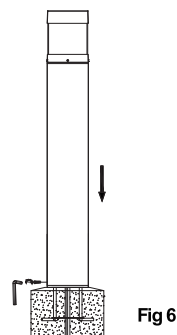


Fig7

- Assemble fixture, and tighten the set screwsx3 with hex wrench. (Fig6)





# 6" BOLLARDS

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### PRODUCT SPECIFICATIONS (CONT.)

#### ROUND ANCHOR BOLT INSTALLATION

##### MOUNTING ACCESSORIES PREPARATION

Remove the accessories in Fig1 from the package, and make sure all parts in good condition and right qty's.

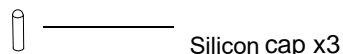
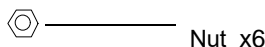
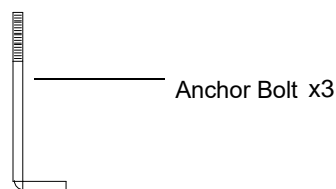
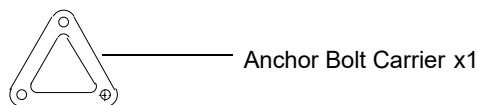
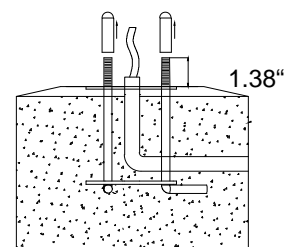
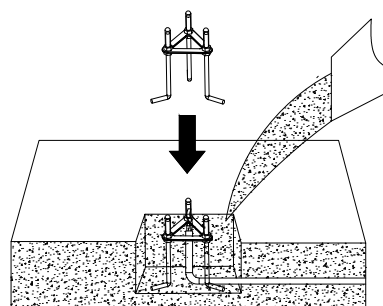
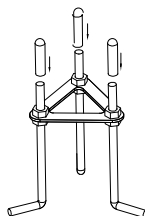


Fig1



##### INSTALLING ANCHOR BOLT

- Prepare site. Get the anchor bolt carrier assembled as Fig2 and protect the threads from concrete splash with silicon caps.
- Ensure that concrete base is suitable for the bollard load.
- Sink the anchor bolts into the concrete as Fig3 leaving the threaded portion 1-1/2~2" as Fig4 above the cement . And remove the silicon caps.

### ROUND LED BOLLARD INSTALLATION GUIDE

#### ⚠ WARNING

IMPORTANT – This Bollard must be installed on the anchor bolts provided. Please see instructions for anchor bolt kit for more details.

#### RISK OF FIRE, ELECTRIC SHOCK, INJURY OR PROPERTY DAMAGE.

- **Risk of electric shock:** Disconnect power to equipment before installing or servicing. This equipment must be installed according to all applicable codes & ordinances.
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  - Never use detergents containing abrasives and solvents.
  - Warning: Scouring powder and similar substances will scratch surfaces.
- **NOTE:** Additional washers and nuts are provided in case leveling is needed.

##### LUMINAIRE PREPARATION

Remove the luminaire (Fig1) and accessories (Fig2) from the carton and inspect luminaire for damage. Do not install a damaged luminaire.



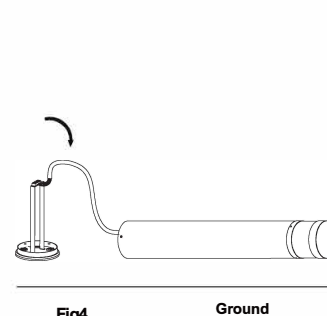
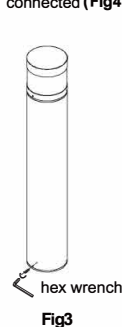
Fig1

- A Nut x6
- B Spring Washer x3
- C Flat Washer x6

Fig2

##### INSTALLING BOLLARD

- Prepare site.
- Disassemble the fixture by loosening the set screws x3 with hex wrench. (Fig3)
- Lay the fixture down by the side of the installed anchor bolts. Keep the wires connected (Fig4)

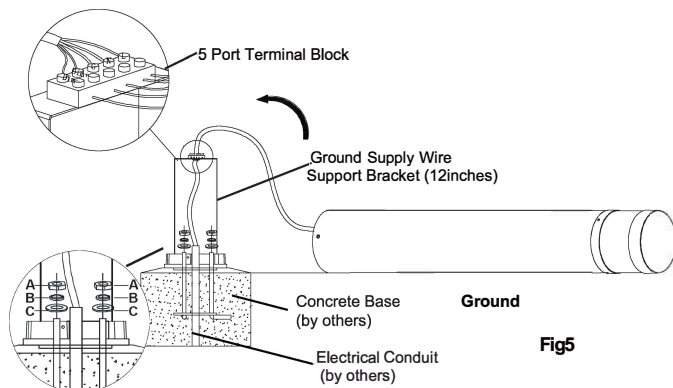


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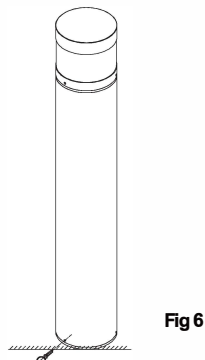
## LED BOLLARD LIGHT

### PRODUCT SPECIFICATIONS (CONT.)

- Place bollard base plate over anchor bolts and tighten nuts securing the base plate to the foundation.
- As the wires shown on (Fig5) will not be disconnected during installation, so please double check to make sure they are in good connection after the base installation.



- Assemble fixture, then tighten the set screwsx3 with hex wrench. (Fig6)



### WIRING DIRGRAM

Class 1 wiring only.

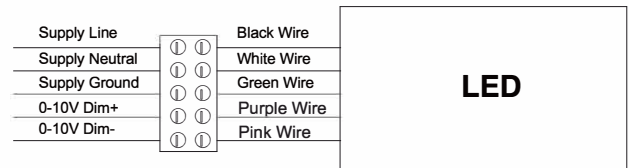


Fig7