

T899LED LED SQUARE CUTOFF BOLLARD

Type:_______Catalog No:_______Project Name:______

JOB INFORMATION

Project Name:

Comments:

Prepared by:_____

FEATURES

USE OF PRODUCT

The intended use of this product is for pathways, parking lots, plazas, entrance ways, parks, and as landscape accents.

HOUSING

Extruded aluminum housing with flush mounting base and vandal resistant screws.

FINISH

Weather resistant, matt-finished powdercoat process for advanced protection in severe environments over a precise chromate conversion coating. Available in standard dark polyester bronze finish for impact, corrosion, and UV resistance. Consult factory for made to order architectural finishes.

OPTICS

White UV-stabilized polycarbonate cone reflector was designed for maximum photometric efficiency and optimum light distribution. Available in Clear or Frosted polycarbonate lens for increased UV-stabilize vandal resistances. One-piece silicon gasket prohibits entrance of outside contaminants. Provides 360° of low level lighting.

LED

High output LEDs offer a minimum estimated operating life of 50,000 hours in 3000K, 4000K(standard) with CRI>80. LEDs placed on high performance aluminum heatsink for reduced junction temperatures and extended life.

DRIVER

Durable and long lasting LED driver operates at 120-277V and boasts a 90% power factor at 50 to 60 Hz with 0-10V Dimming Constant Current. Driver protections includes: Output open load, over-current and short-circuit, and over-temperature with auto recovery. -30°C Min Temp. to 40°C Max Temp.

MOUNTING

- Mounting kit with anchor bolts are included.
- Internal ballast tray for easy maintenance.

LISTINGS/COMPLIANCE

• CSA-Suitable for wet locations

GFCI OUTLET





BOLLARD RETROFIT BASE KIT



LENS





Frost









ORDERING INFO ___

SERIES	HEIGHT	WATTAGE	VOLTAGE	COLOR TEMPERATURE	LENS	FINISH	OPTIONS
T899LED	35 - 35-3/4"	16 - 16W/1554lm	UNV - 120V-277V	30 - 3000K	C - Clear	BZ² - Bronze	GO - GFCI Outlet
	MTO ¹ - Made to order	23 - 23W/2175lm	347 - 347V	40 - 4000K	F - Frosted	MTO ³ - Made to order	BRBK - Bollard retrofit base kit
		34 - 34W/3263lm	480 - 480V			MGTO ³ - Marin grade	EM - Emergency battery
						made to order	CEM - Cold pack emergency battery

Notes

- 1. Consult factory for height, Minimum height 30"
- 2. Standard.
- 3. RAL number required.



T899LED

LED SQUARE CUTOFF BOLLARD

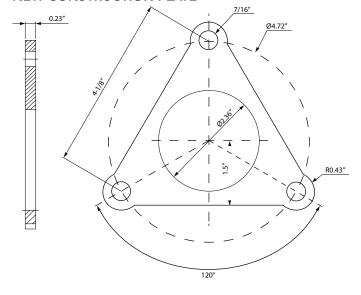
DIMENSIONS

B.U.G. RATING



Watts	Lumens	B-U-G Rating
16W	1554lm	B1-U3-G1
23W	2175lm	B1-U3-G1
34W	3263lm	B1-U4-G2

NEW CONSTRUCTION PLATE



- Technical Requirements:

 1. No cracks, incomplete casting puffing, bubbles, or any perforative defects.

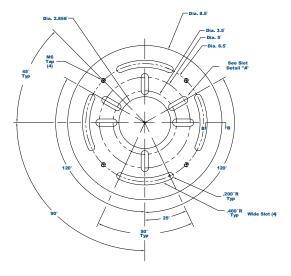
 2. Unspecified chamfer is R2.

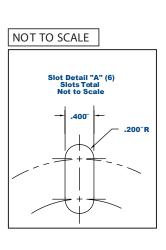
 3. Remove glitches and sharp edges.

 4. Draft angle is 1 degree.

 5. Sureface treatment by customer's assignment.

BOLLARD RETROFIT BASE TEMPLATE







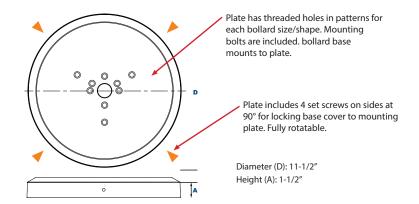
T899LED

LED SQUARE CUTOFF BOLLARD

BASE DIMENSIONS

Diameter (D): 10-3/4" Height (A): 1"

BASE COVER DIMENSIONS



BASE KIT INCLUDES

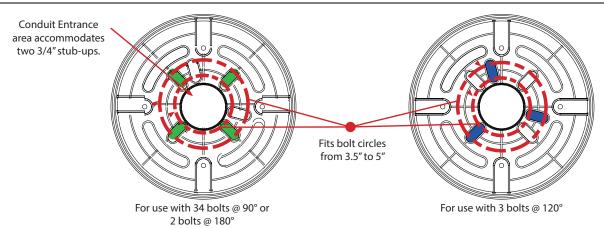
Heavy duty die cast aluminum Anchor Bolt Retrofit Adaptor Plate

- Includes slots for existing anchor bolt mounting, $3@120^0$, $4@90^0$ or $2@180^0$ (3.5″ to 5″ diameter bolt circle). Slots can accommodate 1/4″ to 3/8″ diameter anchor bolts.
- Includes large diameter slots for installing field drilled anchors (not included) in the event that the existing anchor bolt pattern does not fit slots, or anchor bolts are damaged or unusable.
- Includes 4 Stainless Steel leveling bolts with two leveling bubbles at 90° to level base prior to mounting new bollard.
- Center conduit entrance hole designed to accommodate two ¾" PVC conduits.

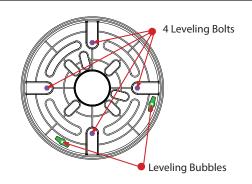
Heavy duty die cast aluminum Bollard Mounting Cover Plate

- Includes threaded holes in patterns to match bollard base mounting plates.
- Stainless Steel bolts for mounting bollard base plate.
- 4 Stainless Steel set screws at $90^{\bar{0}}$ for securing the cover plate to the adapter plate. Cover plate can be rotated 360°. Powdercoat finish over chromate conversion coating in Bronze (standard) and available in made to order.

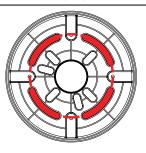
ANCHOR BOLT RETROFIT ADAPTER PLATE BOLT CIRCLES FOR USE WITH EXISTING ANCHOR BOLTS



BASE LEVELING AND LEVELS



CIRCLE FOR DRILLED ANCHORS



6.5" bolt circle for Drilled Anchors. Used when existing anchor bolts do not fit 4-bolt or 3-bolt slot or are damaged. these must be cut off and new drilled anchors installed



PHOTOMETRICS

20W

Test Date	8Aug18
Series	T895LED
Lumens	2409
Watts	26.4

Characteristics		
IES Classification:	Type VS	
Longitudinal Classification:	Very short	
Lumens Per Lamp:	N.A. (absolute)	
Total Lamp Lumens:	N.A. (absolute)	
Luminaire Lumens:	2409	
Downward Total Efficiency:	N.A. (absolute)	
Total Luminaire Efficiency:	N.A. (absolute)	
Luminaire Efficacy Rating (LER):	91	
Total Luminaire Watts:	26.4	
Ballast Factor:	1.00	
Upward Waste Light Ratio:	0.00	
Maximum Candela:	556.339	
Maximum Candela Angle:	140H 30V	
Maximum Candela (<90 Degrees Vertical):	556.339	
Maximum Candela Angle (<90 Degrees Vertical):	140H 30V	
Maximum Candela At 90 Degrees Vertical:	0 (0.0% Luminaire Lumens)	
Maximum Candela from 80 to <90 Degrees Vertical:	277.158 (11.5% Luminaire Lumens	
Cutoff Classification (deprecated):	N.A. (absolute)	

Luminaire cla				
BUG RATING	B1 - U0 - G1			
FRONT LIGHT	LUMENS	% LAMP	% LUMINAIRE	
LOW(0-30):	193.5	N.A.	8.0	
MEDIUM(30-60):	523.5	N.A.	21.7	
HIGH(60-80):	389.1	N.A.	16.2	
VERY HIGH(80-90):	79.0	N.A.	3.3	
BACK LIGHT				
LOW(0-30):	201.2	N.A.	8.4	
MEDIUM(30-60):	544.2	N.A.	22.6	
HIGH(60-80):	396.0	N.A.	16.4	
VERY HIGH(80-90):	82.3	N.A.	3.4	
UP LIGHT				
LOW(90-100):	0.0	N.A.	0.0	
HIGH(100-180):	0.0	N.A.	0.0	
TOLTAL	2408.8	N.A.	100.0	

