We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

Bollard Series

ROUND OR SQUARE BOLLARD

LED LAMPING

360° Low-Level Lighting

SPECIFICATIONS

- DRIVER — Universal 120 thru 277 input voltage.
- ELECTRICAL — Line Side, Three Pole Power Disconnects provided with Luminaire for simplified branch wiring. Optional Fusing available.
- FINISH — Nine-Stage Powder Coat Process.
- GASKETING — High Temp., NON-aging solid core silicone gasket rings seal lens to extruded housing and domed or flat top, to protect against environmental contaminants.
- HOUSING — Extruded aluminum housing with flush mounting base and Domed Top (Round) or Flat Top (Square).
  - Style A: Type 3 Clear Prismatic Borosilicate Glass
  - Style B: Type 5 Clear Prismatic Borosilicate Glass
  - Style C: Round/Square Aluminum Louver
  - Style D: Cone Reflector
- INTERNAL REFLECTOR — IES Type V Clear Prismatic Borosilicate Glass Refractor.
- LIGHT ENGINE — 15 Watt Super Bright Energy Efficient LED.
- LENS — Clear Polycarbonate.
- LENS FRAME FASTENERS— Three stainless steel hex set screws secure lens assembly to fixture housing.
- MOUNTING — Flush Mounting Base, Vandal-Resistant Screws, Mounting Kit with 8″ anchor bolts. Optional: 12″ (BAN12) and 15″ (BAN15) long anchor bolts available.
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards. Suitable for wet locations. Complies with Buy American Act.

ORDERING INFO

ORDERING GUIDE:

Series	Style	LED Wattage	CCT	Voltage	Finish	Options

SERIES
BO-R = Bollard ROUND Series (7″ Dia. x 42¼″ Tall)
BO-SQ = Bollard SQUARE Series (7″ Sq. x 41⅜″ Tall)

STYLE
A = Style A: Type 3 Glass
B = Style B: Type 5 Glass
C = Style C: Louver
D = Style D: Cone Reflector

LED WATTAGE [1]
LED15 = 15 Watt LED

LED COLOR TEMPERATURE (CCT)
3K = ±3000K range
4K = ±4000K range
5K = ±5000K range

VOLTAGE
UNV = Universal Volt (120~277V) Driver

FINISH
BK = Black Finish
BZ = Bronze Finish
CC = Custom Color (Consult Factory)

MOUNTING OPTIONS
BAN8 = Mounting Kit: Bracket, (3) 8″ Anchor Bolts (Standard)
BAN12 = Mounting Kit: Bracket, (3) 12″ Anchor Bolts
BAN15 = Mounting Kit: Bracket, (3) 15″ Anchor Bolts
RETR = Retrofit Base (See Above for Diagrams/Info)
— Fits Bolt Circles 3.5" to 5"
— 4 Bolts @ 90°
— 3 Bolts @ 120°
— 2 Bolts @ 180°

MISC OPTIONS
FUS = Single Fusing
DFUS = Double Fusing
SG = 10KA Surge Protection (ANSI spec C62.41.2)

STYLE

STYLE A: TYPE 3 GLASS / STYLE B: TYPE 5 GLASS

STYLE C: LOUVER

STYLE D: CONE REFLECTOR

ECLIPSE™ LIGHTING
9245 W. Ivanhoe St. I Schiller Park, IL 60176
P: 847-260-0333 I F:847-260-0344 I E: quotes@eclipselightinginc.com I W: eclipselightinginc.com

© 2020 Eclipse Lighting Inc.

We reserve the right to revise the design or components of any product without notice.

Bollard Series

ROUND OR SQUARE BOLLARD

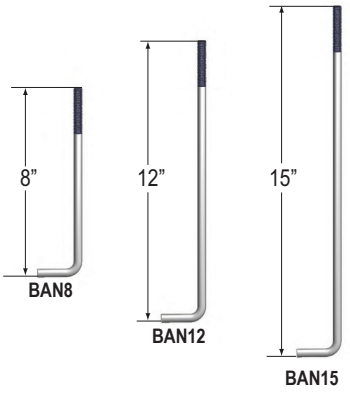
LED LAMPING

360° Low-Level Lighting

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

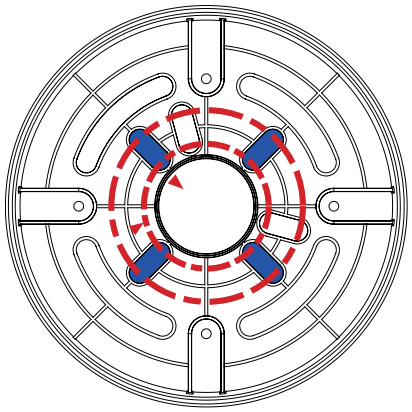
MOUNTING OPTIONS

Anchor Bolt Assembly.

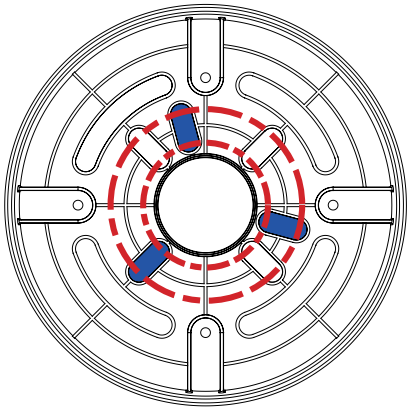


BAN8 BAN12 BAN15

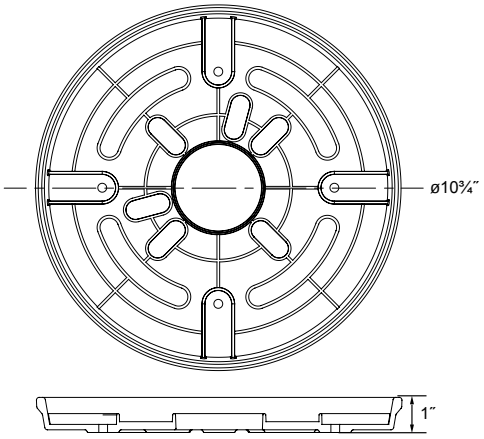
RETROFIT BASE OPTION

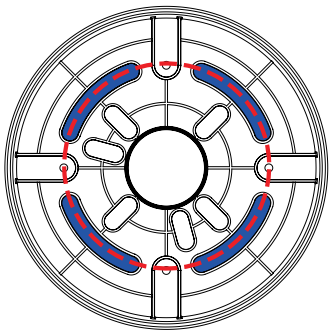


For use with 4 bolts @ 90° or
2 bolts @ 180°

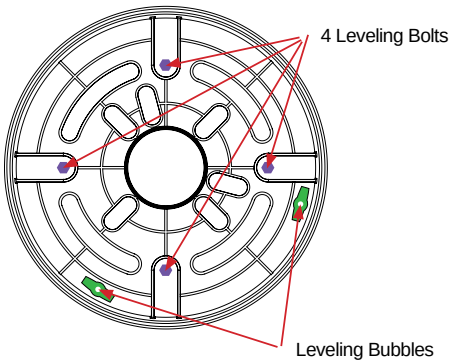


For use with 3 bolts @ 120°





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

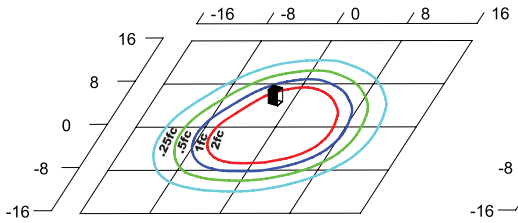


© 2020 Eclipse Lighting Inc.

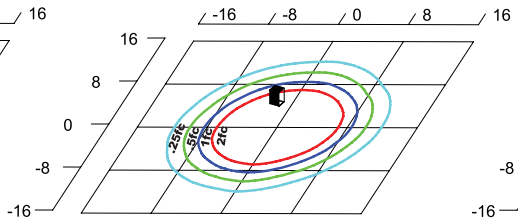
Bollard Series ROUND — Photometric Summary

PHOTOMETRIC DATA

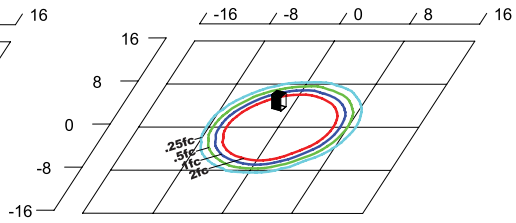
Grid in Feet, Mounting Height = 3.5ft



Bollard Round
Style A: Type 3 Glass
15 Watt LED / 5000K



Bollard Round
Style B: Type 5 Glass
15 Watt LED / 5000K



Bollard Round
Style D: Cone Reflector
15 Watt LED / 5000K

PHOTOMETRIC PERFORMANCE

BOLLARD ROUND SERIES		
LED Board Watts	**Drive Current (mA)**	**Input Watts**
15w	116	17w

Color Temp / Color Rendering Index	5000K CCT / 80 CRI					4000K CCT / 80 CRI					3000K CCT / 80 CRI				
Optics	**Lumens**	**LPW**	**B**	**U**	**G**	**Lumens**	**LPW**	**B**	**U**	**G**	**Lumens**	**LPW**	**B**	**U**	**G**
Style A - Type III Glass	1,156	68	1	3	1	1,110	65	1	3	1	1,023	60	1	3	1
Style B - Type V Glass	1,132	67	1	3	1	1,086	64	1	3	1	905	53	1	3	1
Style C - Round Louver	763	45	1	2	1	733	43	1	2	1	675	40	1	2	1
Style D - Cone Reflector	1,510	89	1	3	1	1,450	85	1	3	1	1,225	72	1	3	1

PROJECTED LUMEN MAINTENANCE

DATA SHOWN FOR 5000 CCT						
TM-21-11[1]	**Input Watts**	**Initial**	**25,000 Hrs[2]**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L70@ 25°C**
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000
L70 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000

NOTES:

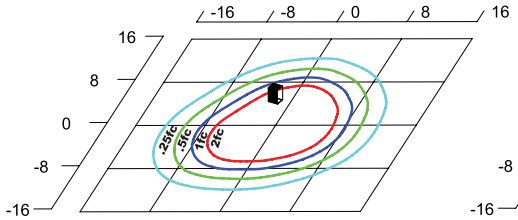
1. Projected per IESNA TM-21. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

© 2020 Eclipse Lighting Inc.

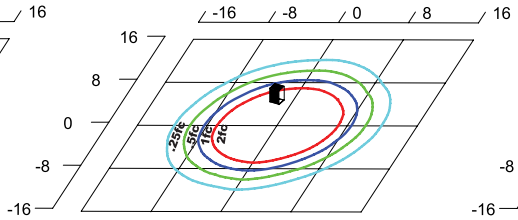
Bollard Series SQUARE — Photometric Summary

PHOTOMETRIC DATA

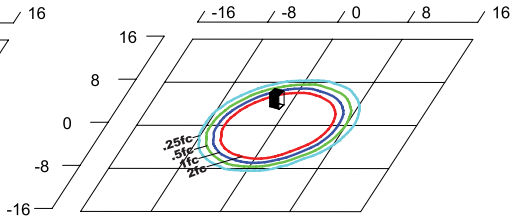
***Grid in Feet, Mounting Height = 3.5ft**



Bollard Square
Style A: Type 3 Glass
15 Watt LED / 5000K



Bollard Square
Style B: Type 5 Glass
15 Watt LED / 5000K



Bollard Square
Style D: Cone Reflector
15 Watt LED / 5000K

PHOTOMETRIC PERFORMANCE

BOLLARD SQUARE SERIES		
LED Board Watts	**Drive Current (mA)**	**Input Watts**
15w	116	17w

Color Temp / Color Rendering Index	**5000K CCT / 80 CRI**					**4000K CCT / 80 CRI**					**3000K CCT / 80 CRI**				
Optics	**Lumens**	**LPW**	**B**	**U**	**G**	**Lumens**	**LPW**	**B**	**U**	**G**	**Lumens**	**LPW**	**B**	**U**	**G**
Style A - Type III Glass	1,152	68	1	3	1	1,106	65	1	3	1	1,018	60	1	3	1
Style B - Type V Glass	1,125	66	1	3	1	1,080	64	1	3	1	905	53	1	3	1
Style C - Round Louver	778	46	1	2	1	747	44	1	2	1	689	41	1	2	1
Style D - Cone Reflector	1,519	89	1	3	1	1,458	86	1	3	1	1,225	72	1	3	1

PROJECTED LUMEN MAINTENANCE

DATA SHOWN FOR 5000 CCT						
TM-21-11[1]	**Input Watts**	**Initial**	**25,000 Hrs[2]**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L70@ 25°C**
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000
L70 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000

NOTES:

1. Projected per IESNA TM-21. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

© 2020 Eclipse Lighting Inc.