

BEGA LED system bollard - luminaire head  
with unshielded light with safety guard - 360°

**Enclosure:** Housing constructed of die-cast aluminum. Die-castings are marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy. Glass diffuser, inside white. Fully gasketed for weather tight operation using molded silicone gasket.

**Installation:** BEGA LED system bollards are designed for easy attachment to system bollard tubes using an interlocking stainless steel mechanism and stainless steel set screw threaded into stainless steel insert. An accompanying bollard tube must be selected for proper installation, see below chart for compatible tube options.

**Electrical:** 29.4W LED luminaire, 34 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 3000K with a >80 CRI. Available in 4000K (>80 CRI); add suffix K4 to order.

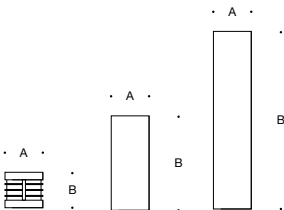
**Note:** LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to [www.bega-us.com](http://www.bega-us.com).

**Finish:** All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

**CSA** certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65

**Weight:** 24.5 lbs.

**Luminaire Lumens:** 768



Bollard heads - unshielded with safety guard - 360°

Lamp	A	B
99 777 29.4W LED	10 <sup>3</sup> / <sub>8</sub>	8 <sup>7</sup> / <sub>8</sub>

Bollard tubes for luminaire heights 19<sup>3</sup>/<sub>4</sub> - 21<sup>3</sup>/<sub>4</sub> - 23<sup>1</sup>/<sub>2</sub>

	A	B	Anch. unit
99 619	10 <sup>3</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>4</sub>	79 818

Bollard tubes for luminaire heights 31<sup>1</sup>/<sub>2</sub> - 39<sup>1</sup>/<sub>4</sub> - 43<sup>1</sup>/<sub>4</sub>

Integrated components	Door	A	B	Anch. unit
99 624 —	✓	10 <sup>3</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>2</sub>	79 818
99 627 GFCI outlet	✓	10 <sup>3</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>2</sub>	79 818
99 659 Passive infrared motion sensor	✓	10 <sup>3</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>2</sub>	79 818
99 636 Emergency lighting battery 10W	✓	10 <sup>3</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>2</sub>	79 818
84 623 Impact bollard tube	—	10 <sup>3</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>2</sub>	—
98 010 240V NEMA 14-50R receptacle	—	10 <sup>3</sup> / <sub>8</sub>	34 <sup>1</sup> / <sub>2</sub>	79 818

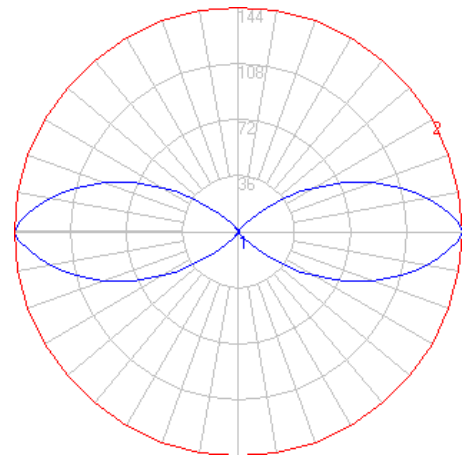
Type:  
BEGA Product:  
Project:  
Voltage:  
Color:  
Options:  
Modified:



# BEGA

Photometric Filename: 99777.ies

TEST: BE\_99777  
TEST LAB: BEGA  
DATE: 11/10/2015  
LUMINAIRE: 99 777  
LAMP: 29.4W LED



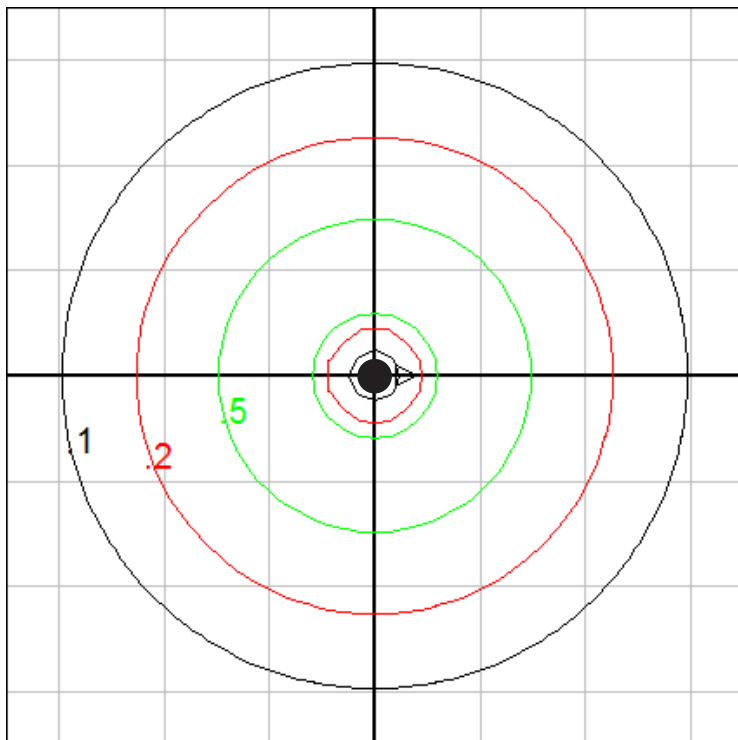
## Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	768
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	23
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	143.9 (0H, 90V)
Max. Cd. (<90 Vert.)	141.2 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	143.9 (18.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	141.2 (18.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

## Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.4	N.A.	0.1
FM (30-60)	23.6	N.A.	3.1
FH (60-80)	94.2	N.A.	12.3
FVH (80-90)	73.6	N.A.	9.6
BL (0-30)	0.4	N.A.	0.1
BM (30-60)	23.6	N.A.	3.1
BH (60-80)	94.2	N.A.	12.3
BVH (80-90)	73.6	N.A.	9.6
UL (90-100)	147.6	N.A.	19.2
UH (100-180)	236.6	N.A.	30.8
Total	767.8	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height = 2.9 ft.

Grid Spacing = 5 ft.

\*Using 99 624 system bollard tube

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

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