

LIGHTING SPECIFICATIONS

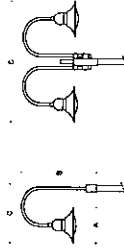
Pole top luminaires with asymmetrical light distribution

The asymmetrical light distribution of the pole top luminaires is achieved by the use of a reflector with an asymmetrical light distribution. The reflector is made of a die-cast aluminum alloy and is finished with a clear acrylic diffuser. The reflector is mounted on a pole top luminaire with a die-cast aluminum alloy arm. The reflector is adjustable in the vertical plane and in the horizontal plane. The reflector is made of a die-cast aluminum alloy and is finished with a clear acrylic diffuser. The reflector is mounted on a pole top luminaire with a die-cast aluminum alloy arm. The reflector is adjustable in the vertical plane and in the horizontal plane.



The asymmetrical wide beam light distribution can be adjusted in three stages. The beam is oriented downwards in the plane to be illuminated.

Single and twin pole-top luminaires with asymmetrical wide spread light distribution with LEDs or for H.I.D. lamps
 Die-cast and spun aluminum
 Clear acrylic diffuser with optical texture
 The reflector of pure anodized aluminum can be adjusted $\pm 50^\circ$ in the vertical plane and to 0° , 7.5° and 15° in the horizontal plane (7719 and 77111 not adjustable)
 LEDs with integral electronic driver - dimmable 0-10V
 Color temperature 4000 K (for 3000 K add suffix K3)
 Finish: Black (BLK) White (WHT) Silver (SLV) Bronze (BRZ)
 UL or CSA listed, suitable for wet locations (see page 417)
 Protection class IP 65



Single pole-top luminaires

Lamp	A	B	C
77410 35.2W LED	19%	40%	33%
77411 35.2W LED	26%	46%	40%
77864 1 70W ED-17 MH	19%	40%	33%
77865 1 150W ED-17 MH	26%	46%	40%

Twin pole-top luminaires

Lamp	A	B	C
77866 2 70W ED-17 MH	19%	45%	33%
77867 2 150W ED-17 MH	26%	50%	33%

Poles for above luminaires - see page 402-403.

Pole top luminaires with asymmetrical light distribution

Housing: Two interlocking die-cast aluminum housings. Heavy gauge .080" spun aluminum shade with rolled edge, finished white inside. Die castings are marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy.

Arm: Fabricated from .125" wall aluminum extrusion formed into a continuous smooth radius, terminating and welded into a one piece die-cast aluminum fitter. Fitter slip fits a 3" O.D. pole top and is secured by six (6) socket head stainless steel set screws threaded into stainless steel inserts.

Enclosure: Lamp enclosure/optical system comprises an assembly of two pure anodized aluminum asymmetrical main beam reflectors with clear impact resistant acrylic lens with optical texture fixed to a heavy gauge .080" spun aluminum shade with rolled edge, finished white inside and rigidly fastened to the luminaire housing. Fasteners are stainless steel.

Electrical: 42.8W LED luminaire, 48 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver located in luminaire head, 0-10V dimming. Standard LED color temperature is 4000K with a >80 CRI. Available in 3000K (>80 CRI); add suffix K3 to order.

Note: 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.

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.

UL listed for US and Canadian Standards, suitable for wet locations. Protection class: IP65.

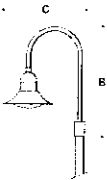
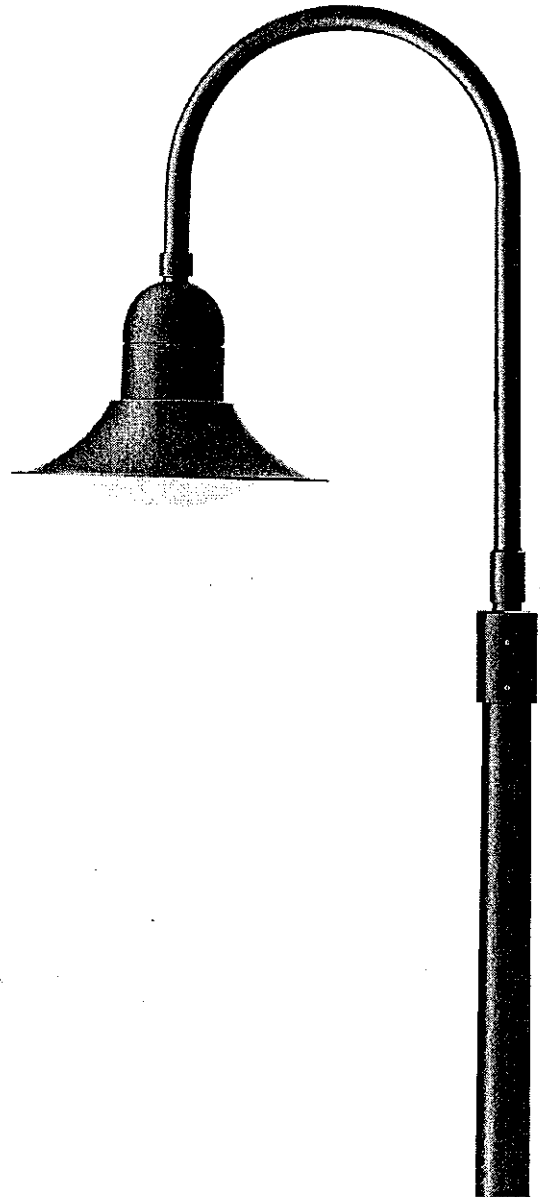
Weight: 27.6 lbs.

EPA (Effective projection area): 2.37 sq. ft.

Luminaire Lumens: 2548

Tested in accordance with LM-79-08

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



Single pole-top luminaires

	Lamp	LEED	A	B	C
77911	42.8W LED	LZ-2	26%	46¼%	40%

Recommended for use with 14' to 18' poles.

Shielded bollards with broad spread light distribution

Post construction: One piece extruded aluminum, 3/16" wall thickness with a one piece aluminum top housing and base, internally welded into an assembly. Die castings are marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy.

Lamp enclosure: Heavy welded, die-cast removable aluminum cap with die-cast "fins". Secured by one (1) socket head, stainless steel screw threaded into stainless steel inserts. Clear 3/16" thick glass lens with top downlight reflector. Fully gasketed using high temperature silicone rubber O-ring gaskets. Electrical: Lampholders are G8.5, bi-pin rated 5 KV. Ballasts are electronic, universal voltage 120V through 277V located inside the luminaire head.

Anchor base: Heavy cast aluminum, slotted for precise alignment. Mounts to BEGA #896A anchorage kit (supplied).

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.

UL listed for US and Canadian Standards, suitable for wet locations. Protection class IP 65.

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

Lamp		Lumen	A	B	Anchorage
8480 MH	1	39W T4 G8.5 MH	3300	7 1/2	39%

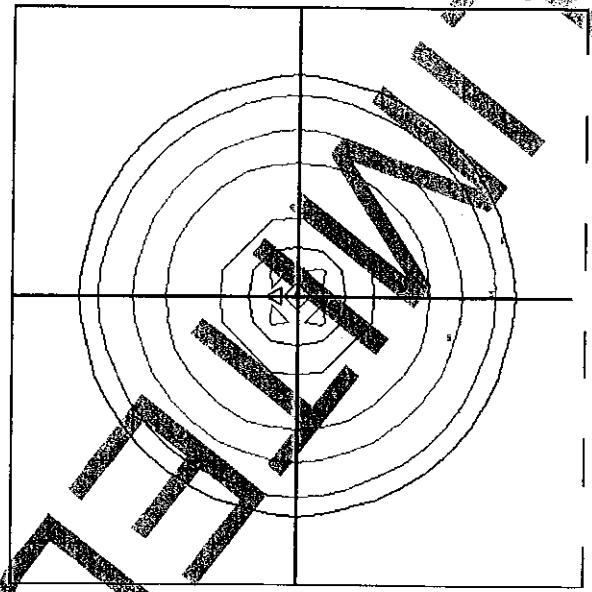


BEGA

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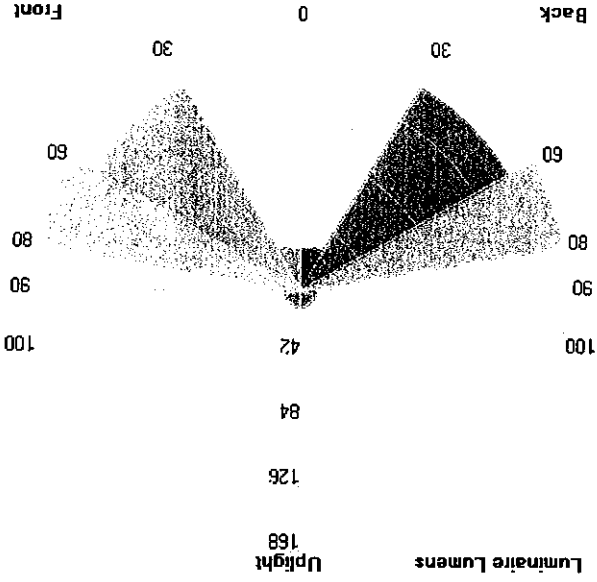
EST: BE2763
 TEST LAB: BEGA GERMANY
 DATE: 5/25/2007
 LUMINAIRE: 8480MH
 AMP: (1) 35W T6 G12 MH

- Characteristics**
- IES Classification
 - Longitudinal Classification
 - Cutoff Classification (deprecated)
 - Lumens Per Lamp
 - Total Lamp Lumens
 - Luminaire Lumens
 - Total Luminaire Efficiency
 - Downward Total Efficiency
 - Luminaire Efficacy Rating (LER)
 - Upward Waste Light Ratio
 - Max. Cd.
 - Max. Cd. (<90 Vert.)
 - Max. Cd. (At 90 Deg. Vert.)
 - Max. Cd. (80 to <90 Deg. Vert.)
 - Total Luminaire Watts
 - Ballast Factor



Lum. Classification System (LCS)

LCS Zone	Lumens	% Lamp
FL (0-30)	28.2	0.9
FM (30-60)	150.4	4.6
FH (60-80)	168.3	5.1
FVH(80-90)	4.8	0.1
BL (0-30)	28.2	0.9
BM (30-60)	150.4	4.6
BH (60-80)	168.3	5.1
BVH(80-90)	4.8	0.1
UL (90-100)	5.4	0.2
UH (100-180)	10.2	0.3
Total	719.0	21.9
BUG Rating B1-U2-G0		100.0



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

