LIGHTING SPECIFICATIONS
Pole top luminaire with asymmetrical light distribution.

Single and twin pole-top luminaires with asymmetrical wide spread light distribution with LEDs or for H.L.C. lamps.

Die-cast and spun aluminium.

Chequered acrylic diffuser with optical texture.

The reflector of pure anodised aluminium can be adjusted 90° in the vertical plane and 30° (5° or 15°) and 15° in the horizontal plane.

77 (B and R 91 not available).

LED with integral electronic driver - dimmable 0-100V.

Color temperature 4000K (for 3000K add suffix K3).

Finish: black (B3); white (W4).

Silver (Sl) (Brass (BM2).

UL or CSA listed, suitable for wet locations (see page 417).

Protection class IP65.

<table>
<thead>
<tr>
<th>Single pole-top luminaries</th>
<th>Lamp</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
<tr>
<td>77310</td>
<td>25W LED</td>
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<td>40%</td>
<td>33%</td>
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<td>77311</td>
<td>75W LED</td>
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<td>45%</td>
<td>40%</td>
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<tr>
<td>77314</td>
<td>70W ES-11 MH</td>
<td>20%</td>
<td>40%</td>
<td>30%</td>
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<tr>
<td>77318</td>
<td>150W ES-17 MH</td>
<td>26%</td>
<td>45%</td>
<td>42%</td>
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<table>
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<tr>
<th>Twin pole-top luminaires</th>
<th>Lamp</th>
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<td>70W ES-11 MH</td>
<td>16%</td>
<td>45%</td>
<td>58%</td>
</tr>
<tr>
<td>77318</td>
<td>100W ES-11 MH</td>
<td>26%</td>
<td>60%</td>
<td>73%</td>
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</table>
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 (≤ 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 flange. 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

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Single pole-top luminaires

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<tr>
<th>Lamp</th>
<th>LED</th>
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<td>77811</td>
<td>42.8W LED</td>
<td>LZ-2</td>
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<td>48½</td>
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Recommended for use with 14' to 18' poles.

BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-6474 www.bega-us.com

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Shielded bollards with broad spread light distribution

Post construction: One-piece, cast aluminum; 1/4" wall thickness with a core plate of 0.0625" thick steel plate.  Aluminum alloy.

Lamp enclosure: Heavy-walled, die-cast removable aluminum cap with die-cast "iris".  Secured by one (1) socket head, stainless steel screw threaded into stainless steel inserts.  Clear, 3/8" thick glass lens with top-down gasket.  Electrical: Lamps are cast aluminum housing with high-temperature silicon rubber O-ring gaskets.  Universal Voltage: 120V through 277V located inside the luminaire head.  Another base: Heavy-cast aluminum, slotted for precise alignment.  Mounts to Bega 806-A anchorage kit (sold separately).

**Characteristics**

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**Bug Rating**

Total: 799.0
B1-U2-G0: 21.9

**Front**

B1-U2-G0: 21.9

**Back**

B1-U2-G0: 21.9

**Photometric File Name:** 8480MH.les

**Environment:**

- **Test Lab:** BE2763
- **Test Date:** 5252007
- **Manufacturer:** BEGA GERMANY
- **Design:** 8480MH
- **Lamp:** 135W T6 G12 MH
- **Test Spec:** 5 ft