GENERAL DESCRIPTION

This bollard system is a simple and architecturally attractive solution for emergency illumination of exterior paths of egress, meeting the NFPA requirement for illumination of the path from the building exit to the “Public Way”. In addition, the system provides optional continuous night lighting at low energy levels. Bollards are available in heights from 24” to 96”, and custom sizes are also available.

CONSTRUCTION

• Compact die cast aluminum housing with molded polycarbonate lens mounted on extruded aluminum post with welded base. Standard finish white or bronze satin urethane paint; custom colors are available.

• Universal J-Box mounting pattern.

• Contoured prismatic lens generates a uniform lighting pattern over required path of egress.

• Three versions available:
  - BB= Unit equipment with self-contained battery
  - RE= Remote for connection to 24 VDC Central Battery System
  - AC= For connection to AC 120/277 emergency supply.

ELECTRONICS

• Lamps are connected in parallel. If one lamp fails, one or more lamps will continue in operation.

• Universal 120/277 VAC input for standard battery or AC unit, or 24 VDC input for remote configuration.

• Power supply delivers regulated current and voltage to LED lamps at optimum levels to maximize lamp life.

• Automatic battery diagnostics available for all battery models.

ENERGY EFFICIENT OPERATION

• Very low power consumption in optional night/ security mode. The security lighting circuit is independent of emergency lighting and may be switched manually, by an exterior photocell, or other automatic means.

• Over 50,000 hour lamp life in normal use.

• IES photometric data available for all models.

CODES


WARRANTY

• 5 year total customer satisfaction warranty. For details see product catalog.
**SUGGESTED SPECIFICATIONS:**

Install MOONLITE™ Series MOE Exterior Post Mount LED emergency lighting fixture manufactured by Signtex Inc., available as unit equipment or as a remote device connected to a central battery power source. Upon loss of AC building power, lighting will be activated for a minimum of 90 minutes under battery power, in compliance with UL 924 and NFPA LSC Code 101. In remote configuration, the unit may be specified to operate continuously for security or night lighting, as required. The battery charger and power supply shall have universal input of 120/277 VAC, with brownout and LVD circuit protection. Auto battery diagnostics shall be available for all models, as specified and shall perform all test functions specified by UL 924 and NFPA 101. Suitable for Wet Locations, with ambient temperature ranges specified below.

**BASE PLATE & POST**

**MOUNTING DATA & DIMENSIONS:**

- **REMOTE HEAD**
  - 24V Supply

- **120/277 VAC SUPPLY**
  - Internal Battery

- **SINGLE FACE**
  - 5 1/2" x 4" x 7 1/2"

- **DOUBLE FACE**
  - 5 1/2" x 6" x 4 3/4"

**POWER RATING**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>OPERATION</th>
<th>WATTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB</td>
<td>Emergency</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>SEC/ Normal On</td>
<td>4</td>
</tr>
<tr>
<td>RE</td>
<td>Emergency</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>SEC- Standard</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>SEC+ HPS</td>
<td>7</td>
</tr>
<tr>
<td>AC</td>
<td>Line Voltage</td>
<td>4</td>
</tr>
</tbody>
</table>

**SECURITY LIGHTING CONTROL**

- **RE Models:** Requires SEC Option ‘S’ with CBL
- **BB Models:** Requires Option ‘SB120’ for connection to 120 VAC
  - Requires Option ‘SD277’ for connection to 277 VAC
- **BB-DG Models:** Requires Option ‘SD’ for connection to 120/277 VAC

**SELF-TEST DIAGNOSTIC FUNCTIONS**

**BB MODELS WITH DG FUNCTION**

<table>
<thead>
<tr>
<th>STATUS</th>
<th>LED DISPLAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORMAL FULL CHARGE</td>
<td>GREEN ON</td>
</tr>
<tr>
<td>NORMAL FAST CHARGE</td>
<td>ORANGE ON</td>
</tr>
<tr>
<td>FAILED BATTERY</td>
<td>RED FLASH FAST</td>
</tr>
<tr>
<td>FAILED LAMP</td>
<td>GREEN FLASH</td>
</tr>
<tr>
<td>FAILED TRANSFER</td>
<td>ORANGE FLASH</td>
</tr>
<tr>
<td>FAILED CHARGER</td>
<td>RED FLASH SLOW</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION:**

**EXAMPLE:** MOPRE36-7W-PH

<table>
<thead>
<tr>
<th>MOP MODEL SERIES</th>
<th>RE BB= Battery Backup</th>
<th>RE= Remote with Central Battery System</th>
<th>AC= AC Supply 120/277V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height H</td>
<td>24= 24&quot;</td>
<td>36= 36&quot;</td>
<td>96= 96&quot;</td>
</tr>
<tr>
<td>Watts W</td>
<td>BB &amp; RE Models 7 = 7 Watts</td>
<td>10 = 10 Watts</td>
<td>AC Models 4 = 4 Watts 7 = 7 Watts</td>
</tr>
<tr>
<td>Trim Color PH</td>
<td>W=White</td>
<td>B= Bronze</td>
<td>X=Custom</td>
</tr>
</tbody>
</table>

**OPTIONS**

- **DG=** Battery Diagnostics (BB Models Only)
- **PH=** Photocell Lighting Control (RE & BB-DG Models Only)
- **LT=** Low Temp -40°C (BB Models Only)
- **SB120=** Security Lighting with Control Switch for Standard BB Operation (120V)
- **SD277=** Security Lighting with Control Switch for Standard BB Operation (277V)
- **SD=** Security Lighting with Control Switch for BB Operation with DG option (120/277V)
- **HPS=** High Power in SEC Mode (RE Models Only)

**NOTICE:** Contact Factory for complete IES Photometric Data.

**BASE PLATE & POST**

**SUITABLE FOR WET LOCATIONS**

**AMBIENT TEMPERATURE LIMITS:**

- "BB" models with "LT" option: -40º C to +30º C**
- Standard "BB" models: -20º C to +40º C
- Remote models: -40º C to +50º C

**Specifications and Dimensions subject to change without notice.**