Applications:
ELPS Series Emergency Lighting Systems are used:
- To provide safe, reliable illumination indoors or outdoors to designated areas during failure or interruption of power to the normal lighting system
- In areas made hazardous by the presence of flammable gases and vapors, combustible dusts, or easily ignitable fibers and flyings
- In areas where corrosion, vibration, moisture, dirt, and rough usage may be encountered
- Where required by the National Electrical Code®, the Life Safety Code, or other codes
- In refineries, chemical and petrochemical facilities, grain processing, handling or storage facilities, manufacturing plants, wastewater treatment facilities, and other areas where safe, reliable, hazardous area emergency lighting is needed

Features:
- Compact factory-sealed luminaire assemblies are each furnished with a 12 watt tungsten-halogen lamp and inner reflector for appropriate photometrics in hazardous areas
- Luminaire assemblies are fully adjustable and lockable on two axes to provide flexible and consistent light aiming capabilities
- Luminaire lens ring is threaded for easy relamping and locks in place with hex head set-screw; will not loosen due to vibration
- Ground joint cover with external flange design permits large opening and easy access to internal components; stud bolts in diagonally opposite corners of enclosure faceplate and lockable on two axes to provide access to internal components; stud bolts in diagonally opposite corners of enclosure faceplate
- Neoprene cover gasket seals out moisture for superior protection of internal components against wetness and corrosion
- Lightweight, compact size, and mounting feet ease installation and allow placement in confined areas
- Two 1" NPT drilled and tapped conduit openings, with plugs, are standard, for choice of top or bottom feed
- Factory-installed PUSH-TO-TEST pushbutton enables easy testing of system
- MAIN POWER ON pilot light indicates AC power is being supplied to the battery charger; pilot light is threaded for easy lamp replacement
- Stainless steel drain minimizes moisture collection; stainless steel breather with aluminum cap provides ventilation, minimizes moisture collection
- C1D 101 corrosion inhibitor device is provided with each ELPS system to help protect electrical components and connections
- Rugged, long-life, maintenance-free, nickel cadmium battery provides 30 watts of power for the required 1 1/2 hours
- Solid state battery charger for long life and reliable service prevents deep discharge by automatically disconnecting luminaires from battery
- Terminal block facilitates field wiring connections
- Instruction sheet and maintenance record card provided with unit in a protective plastic envelope
- A time delay is standard; time delay is preset at factory for 5 minutes, thus allowing HID type lamps time to restrike and reach desired illumination levels
- Solid state battery charger will accept 120, 220/240 or 277 VAC, 50/60 Hz

Certifications and Compliances:
- NEC: Class I, Groups B, C, D
- Class II, Groups E, F, G
- Class III
- Simultaneous Presence
- NEMA: 3R, 12 (ELPS power supply)
- Suitable for wet locations (EVLA fixtures)
- Marine (EVLA fixtures)

Electrical Ratings:
- Power Supply:
  - Input: 120, 220/240, 277 VAC, 50 or 60 Hz
  - 0.5 Amps Maximum
  - Output: 12 VDC
  - UL listed for 28 watts for 1 1/2 hours at 0° – 40°C
- Luminaires:
  - Voltage: 12 VDC
  - Lamp Type: #789, miniature tungsten halogen, G4, 2-pin, 14 watt

Options:
- Remote mounted lamp head and arm ....... ELPS K50
- Key operated disconnect switch as part of the ELPS502 emergency light system ............... S794
- Keyless operated designated disconnect switch as part of the ELPS502 emergency light system ........ S854

Ordering Information:
- Lamp Type: #789, miniature tungsten halogen, G4, 2-pin, 14 watt
- Output: 120, 220/240, 277 VAC, 50 or 60 Hz
- UL listed for 28 watts for 1 1/2 hours at 0° – 40°C
- Luminaires:
  - Voltage: 12 VDC
  - Lamp Type: #789, miniature tungsten halogen, G4, 2-pin, 14 watt
ELPS Light-Pak™
Emergency Lighting System

Temperature Performance Data:

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Class</th>
<th>T-number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVLA12</td>
<td>II</td>
<td>T4A</td>
</tr>
<tr>
<td></td>
<td>II*</td>
<td>T3B</td>
</tr>
<tr>
<td>ELPS EVI</td>
<td></td>
<td>T3C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T4</td>
</tr>
<tr>
<td>ELPS EVA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Maximum Ambient Temperature 55°C

Maximum Ambient Temperature 40°C

*For Class II and Class III applications, fixtures must not be aimed more than 30° above horizontal (see diagram below).

Photometric Data:

![Photometric Data Diagram]

Unit Net Weights:

- ELPS502 complete emergency lighting system – 50 lbs.
- ELPS50 power supply – 40 lbs.
- EVLA12 luminaire assembly – 5 lbs.

Status Indication:

<table>
<thead>
<tr>
<th>LED Status</th>
<th>Condition</th>
<th>Meaning of the Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No light</td>
<td>AC power is removed from the circuit</td>
</tr>
<tr>
<td>•</td>
<td>Steady light (no blinking)</td>
<td>Fully charged</td>
</tr>
<tr>
<td>••</td>
<td>Light blinks once</td>
<td>Charging</td>
</tr>
<tr>
<td>•••</td>
<td>Light blinks twice</td>
<td>Battery failure</td>
</tr>
<tr>
<td>••••</td>
<td>Light blinks three times</td>
<td>Circuit failure</td>
</tr>
<tr>
<td>•••••</td>
<td>Light blinks four times</td>
<td>Lamp failure</td>
</tr>
</tbody>
</table>

Crouse-Hinds
by EATON