XPEH LED

Explosion Proof LED Emergency Light & Exit Sign

- Class I, Division 1, Groups C & D
- Class II, Division 1, Groups E, F & G
- Class III
- Class I, Zone 1, Groups IIA, IIB
- USCG Regulation 46 CFR Subparts 111.75-15(e) & 112.43
- UL 844 Hazardous Locations
- UL 1598A Marine Outside Type
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 924 Emergency Lighting
- CUL
- IP65
- NEMA 4X
- Patent No. 7,287,347; Other Patents Pending
XPEH LED
Explosion Proof LED Emergency Light & Exit Sign

Key Features:
1. Two high lumen spot lights can be adjusted in horizontal and vertical planes
2. Independent battery backup system for exit signs and spotlights
3. Unit can power up to two optional remote spot lights
4. Field replaceable LED circuit boards and drivers with quick disconnects
5. Emergency battery back-up integral to sign (no additional enclosure required)
6. 3-hour emergency operation
7. Edge-lit sign

Additional Features:
- Wall, pendant and end mounting options
- Captive, hinged-access door
- Wide and narrow-beam optics available
- Separate push-to-test and pilot light for local and remote heads
- Separate sealed NiCad batteries for exit sign
- Alternate exit legend and languages available
- Single- or double-sided option
- Three 1” NPT hubs
- Red or green LED options

Standard Materials:
- Body: A360 aluminum (less than .4% copper content) with baked-on gray epoxy finish
- Gasket: One-piece neoprene
- Sign: Acrylic
- Hardware: Stainless steel
Catalog Number Logic

**XPEH-1-R-DT-2-2-XX**

### 1. BASIC LUMINAIRE
- **XPEH LED**
  - Class I, Division 1, Groups C & D
  - Class II, Division 1, Groups E, F & G
  - Class III
  - Class I, Zone 1, Groups IIA, IIB
  - UL 844, 1598, 8750, 924
  - UL 1598A Marine Outside Type (Salt Water)
  - USCG Regulation 46 CFR Subparts 111.75-15 (e) & 112.43
  - CUL
  - IP65
  - NEMA 4X
  - Suitable for Wet Locations

### 2. NUMBER OF FACES
- 1 = Single Face
- 2 = Double Face

### 3. LEGEND COLOR
- R = Red
- G = Green

### 4. VOLTAGE / FREQUENCY
- DT = 120/277V 60HZ
- 24 = 220-240V 50HZ

### 5. INSTALLED HEADS

<table>
<thead>
<tr>
<th>Installed</th>
<th>Remote</th>
<th>Drivers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>1</td>
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</table>

### 6. REMOTE HEADS

<table>
<thead>
<tr>
<th>Installed</th>
<th>Remote</th>
<th>Drivers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
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<td>1</td>
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<tr>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

### 7. OPTIONS
- N = Narrow Beam Optics
- W = Wide Beam Optics
- X = EXIT Legend in other languages
  - Language must be specified

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**Maximum Input Power**

- XPEH Emergency Light with:
  - Red Exit Sign & 2 LED heads - 6.5 W
  - Red Exit Sign & 4 LED heads - 10.5 W
  - Green Exit Sign & 2 LED heads - 7 W
  - Green Exit Sign & 4 LED heads - 11W

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**Maximum Output Data**

- Each Remote Head:
  - Voltage: 22V DC, max.
  - Current: 0.225 A (225mA)
  - Max. Power: 5 W

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**Certification Guide**

<table>
<thead>
<tr>
<th>XPEH Series Emergency Combo with:</th>
<th>Ambient Temperature Range</th>
<th>Class I, Division 1 Groups C &amp; D</th>
<th>Class II, Division 1 Groups E, F &amp; G Class III</th>
<th>Simultaneous Presence Class I &amp; II</th>
<th>UL 1598A Marine</th>
<th>CUL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Exit Sign</td>
<td>10° C to 35° C</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Red Exit Sign</td>
<td>10° C to 45° C</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>Yes</td>
<td>Yes</td>
</tr>
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</table>

Catalog logic is for explaining catalog number structure only. Not all combinations are possible; consult factory for catalog numbers not listed in charts.
Photometric Data
XPEH LED head with medium beam optics:

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Lumens per Head</td>
<td>420.78</td>
</tr>
<tr>
<td>Output Watts per Head</td>
<td>4.83</td>
</tr>
<tr>
<td>Efficacy (Lumens/Watts)</td>
<td>87.12</td>
</tr>
<tr>
<td>CRI</td>
<td>72</td>
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<tr>
<td>CCT</td>
<td>5672</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Initial Footcandles at the Floor</td>
<td>1.49</td>
</tr>
<tr>
<td>Maximum Initial Footcandles at the Floor</td>
<td>2.80</td>
</tr>
<tr>
<td>Minimum Initial Footcandles at the Floor</td>
<td>0.50</td>
</tr>
<tr>
<td>Maximum to Minimum Ratio</td>
<td>5.60</td>
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</table>
XPEH Series Fixture Dimensions (inches)

<table>
<thead>
<tr>
<th>XPEH SERIES</th>
<th>Shipping Weight</th>
<th>Shipping Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Combo</td>
<td>40.5 lbs.</td>
<td>3.1 cu. ft.</td>
</tr>
<tr>
<td>Emergency Combo with Remote Heads Option*</td>
<td>43.5 lbs.</td>
<td>3.1 cu. ft.</td>
</tr>
<tr>
<td>Remote Head Assembly</td>
<td>3.5 lbs.</td>
<td>0.27 cu. ft.</td>
</tr>
</tbody>
</table>

* Remote Head Assemblies are shipped separately.
(Additional weight of the emergency light is due to extra driver for remote heads.)