Since 1938, we have been at the forefront of lighting technology, providing industry with intelligent solutions to their lighting dilemmas.

As LED technology has continued to improve, Rig-A-Lite has integrated it into our vision of the future of lighting these specialty environments including petrochemical refining, petroleum refining, waste water treatment facilities, pharmaceutical facilities, food processing facilities, power plants and other industrial & manufacturing areas where flammable vapors, gasses, ignitable dusts, fibers or flyings are present. Our LED product series are also rated for marine environments, wet locations and heavy hose-down applications—indoors or outdoors.

Compared to HID (high intensity discharge) technologies, LED (light emitting diode) technology provides extended life expectancy, greater energy efficiency and reduced maintenance costs with a comparable or better quality of light.

Highly efficient LED drivers provide current regulation for consistent performance in severe environments. LED arrays also provide consistent, energy efficient and long life output. Our die cast aluminum and acrylic housings allow for efficient heat sink and UL listed/NEMA rated protection in a traditional style that the industry is familiar with.

All of our LED luminaires are fully retrofittable in the field, allowing our customers to grow with the technology while minimizing the cost of doing so.

Photometric performance of LED luminaires is evolving quickly. We have made every effort to accurately describe the actual performance of our luminaires and will incorporate new technologies to assure maximum performance and energy savings as they are available.

We will continue our commitment to quality by providing a five year warranty against manufacturing defects on all LED luminaires.
SAFR Series 75 Watt LED

**Features**
- Glare Free Performance with threaded and frosted refractors
- Replaces up to 100 watt Metal Halide and 100 watt High Pressure Sodium
- 60,000 or more hours rated lamp life with 70% lumen maintenance
- Constant Current
- 120-277V, 50/60Hz
- 347/480V 60Hz
- Junction Temperature: 97° C in a 55° C Ambient
- Line Transient Protection: 1 KV line to line. 1 KV line to ground

**Certifications**
- Class I, Division 2, Groups A, B, C & D
- Class II, Division 1, Groups E, F & G
- Class III
- Class I, Zone 2, Groups IIA, IIB & IIC
- Simultaneous Presence
- Enclosed and Gasketed
- NEMA 3R, 4X
- UL 8750,1598,1598A & 844
- CUL
- IP 66
- AEx nR II, T4
- Tested to LM79 & LM80 standards

**Standard Materials**
- Copper Free Cast Aluminum Alloy Housing
- Epoxy Powder Coated
- Stainless Steel Hardware
- Tempered Glass Globe
- Stainless Steel Guard
- Silicone Gaskets

**Mounting & Lens Options**

**Mounting Styles Include**
- Stanchion (25° & 90°)
- Wall
- Ceiling
- Pendant
- Flexible Pendant
- Cone

**Lens Options Include**
- Type V Refractor
- Low Profile Clear Globe*
- Low Profile Frosted Globe*

* Patent # D637339S

**Certification Guide**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AMBIENT °C</th>
<th>Class I, Div.2</th>
<th>CLASS II &amp; III</th>
<th>Simultaneous Presence</th>
<th>UL 1598A OUTDOOR</th>
<th>Class I, Zone 2</th>
<th>SUPPLY WIRE SUITABLE TEMP °C</th>
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</thead>
<tbody>
<tr>
<td>SAFR09L</td>
<td>40</td>
<td>T4A, E,F,G</td>
<td>T6, T3C</td>
<td>YES</td>
<td>T4</td>
<td>YES</td>
<td>90</td>
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<tr>
<td>SAFR09L</td>
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<td>T4A, E,F,G</td>
<td>T6, T3C</td>
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<td>T4</td>
<td>YES</td>
<td>105</td>
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</table>
SAFR Series 98 Watt LED

Features
• Glare Free Performance with threaded and frosted refractors
• Replaces up to 175 watt Metal Halide and 150 watt High Pressure Sodium
• 60,000 or more hours rated lamp life with 70% lumen maintenance
• Constant Current
• 120-277V 50/60Hz
• 347/480V 60 Hz
• Line Transient Protection: 4 KV line to line. 2 KV line to ground

Certifications
• Class I, Division 2, Groups A, B, C & D
• Class II, Division 1, Groups E, F & G
• Class III
• Class I, Zone 2, Groups IIA, IIB & IIC
• Simultaneous Presence
• Enclosed and Gasketed
• NEMA 3R, 4X
• UL 8750, 1598, 1598A & 844
• CUL
• IP 66
• AEx nR II
• Tested to LM79 & LM80 standards

Mounting & Lens Options

Mounting Styles Include
• Stanchion (25° and 90°)
• Wall
• Ceiling
• Pendant
• Flexible Pendant
• Cone

Lens Options Include
• Type V Refractor
• Low Profile Clear Globe*
• Low Profile Frosted Globe*
* Patent # D637339

Standard Materials
• Copper Free Cast Aluminum Alloy Housing
• Epoxy Powder Coated
• Stainless Steel Hardware
• Tempered Glass Globe
• Stainless Steel Guard
• Silicone Gaskets

Certification Guide

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AMBIENT °C</th>
<th>Class I, Div.2</th>
<th>CLASS II &amp; III</th>
<th>Simultaneous Presence C I D 2 C2 D1</th>
<th>UL 1598A OUTDOOR</th>
<th>Class I, Zone 2</th>
<th>AEx nR II</th>
<th>CUL</th>
<th>SUPPLY WIRE</th>
<th>SUITABLE TEMPERATURE °C</th>
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</thead>
<tbody>
<tr>
<td>SAFR11L</td>
<td>40</td>
<td>T3A</td>
<td>E,F,G</td>
<td>T6</td>
<td>T3A</td>
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<td>T3</td>
<td>YES</td>
<td>90</td>
<td></td>
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<tr>
<td>SAFR11L</td>
<td>55</td>
<td>T3A</td>
<td>E,F,G</td>
<td>T6</td>
<td>T3A</td>
<td>YES</td>
<td>T3</td>
<td>YES</td>
<td>105</td>
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</tbody>
</table>
Catalog Number Logic

SAFR 09-L-U-T5G-P-XX

1 BASIC SERIES SAFR
Hazardous Location LED
Class I, Division 2, Groups A, B, C & D
Class II, Division 1 & 2, Groups E, F & G
Class III
Simultaneous Presence
Class I, Zone 2, Groups IIA, IIB & IIC
Enclosed and Gasketed
Wet Locations
NEMA 3R, 4X; IP66
UL 1598, 1598A, 844 & 8750
CUL
ABS Type Approved
Restricted Breathing
(Annual Testing Not Required)
AEx nR II

2 LAMP CURRENT/LAMP WATTAGE
09 = 75 Watt
11 = 98 Watt

3 LAMP TYPE
L = LED

4 DRIVER VOLTAGE
U = 120-277V 50/60HZ
N = 347/480V 60HZ

5 GLOBE & GUARD
LC = Low Profile Clear Globe Only
LCG = Low Profile Clear Globe & Guard
LF = Low Profile Frosted Globe Only
LFG = Low Profile Frosted Globe & Guard
T5 = Type V (Symmetric)
Closed Bottom Glass Refractor
T5G = Type V (Symmetric)
Closed Bottom Glass Refractor & Guard

6 MOUNTING STYLE
P = 3/4" Pendant Mount
P1 = 1" Pendant Mount
C = 3/4" Ceiling Mount
C1 = 1" Ceiling Mount
W = 3/4" Wall Mount
W1 = 1" Wall Mount
S = 1-1/4" 25° Stanchion Mount
S1 = 1-1/2" 25° Stanchion Mount
L = 1-1/4" 90° Stanchion Mount
L1 = 1-1/2" 90° Stanchion Mount
K = 3/4" Cone Top
K1 = 1" Cone Top

7 OPTIONS
SS = Stainless Steel Inserts (304)
FB1 = Single Fuse Block1,2
FB2 = Double Fuse Block2,3
TB = Terminal Block

1 Consult factory for pricing
2 Not available unless incoming voltage is specified.
   When installed, one fuse block is provided for 120,
   277V and two fuse blocks are provided for 208,
   240 and 480V. Fuse not included. Not available on
   347V or 480V
3 Fuse option not available for marine listed fixtures.
SAFJ Series LED

Features
• Glare Free Performance with frosted globe
• Replaces up to 70 watt Metal Halide and 70 watt High Pressure Sodium
• 60,000 or more hours rated lamp life with 70% lumen maintenance
• Constant Current
• 120-277V, 50/60Hz
• 347/480V 60Hz
• Total Efficacy of 72.4 Lm/W with Clear Globe
• Line Transient Protection: 4 KV line to line 2 KV line to ground

Certifications
• Class I, Division 2, Groups A, B, C & D
• Class II, Division 1 & 2, Groups E & F
• Class III
• Simultaneous Presence
• Enclosed and Gasketed
• NEMA 3R, 4X
• UL1598A, 8750
• CUL
• IP 66
• Tested to LM79 & LM80 standards

Mounting & Lens Options
Mounting Styles Include
• Stanchion (25° and 90°)
• Wall
• Ceiling
• Pendant
• Flexible Pendant

Lens Options Include
• Low Profile Clear Globe*
• Low Profile Frosted Globe*

* Patent # D637340S

Standard Materials
• Copper Free Cast Aluminum Alloy Housing
• Epoxy Powder Coated
• Stainless Steel Hardware
• Tempered Glass Globe
• Stainless Steel Guard
• Silicone Gaskets

<table>
<thead>
<tr>
<th>Model</th>
<th>Watts</th>
<th>Type</th>
<th>Ambient Temperature °C</th>
<th>Class I, Div. 2, Groups A, B, C &amp; D</th>
<th>Class II, Div. 1 Groups E &amp; F, Class III</th>
<th>Simultaneous Presence</th>
<th>Supply Wire Suitable Temp °C</th>
<th>UL1598A Outdoor</th>
<th>CUL</th>
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<tbody>
<tr>
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<td>45</td>
<td>LED</td>
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<td>T3A</td>
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# Catalog Number Logic

**SAFJ 06-L-U - LC-P-XX**

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<th>1</th>
<th>BASIC SERIES</th>
<th>5</th>
<th>GLOBE &amp; GUARD</th>
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<tbody>
<tr>
<td>06-L-U</td>
<td>SAFJ LED</td>
<td>LC</td>
<td>Low Profile Clear Globe</td>
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<td>Class I, Division 2, Groups A, B, C, &amp; D</td>
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<td>LCG</td>
<td>Low Profile Clear Globe &amp; Guard</td>
</tr>
<tr>
<td>Class II, Division 1 &amp; 2, Groups E &amp; F</td>
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<td>LF</td>
<td>Low Profile Frosted Globe</td>
</tr>
<tr>
<td>Class III</td>
<td></td>
<td>LFG</td>
<td>Low Profile Frosted Globe &amp; Guard</td>
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<tr>
<td>Simultaneous Presence</td>
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</tr>
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<td>Enclosed &amp; Gasketed</td>
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<tr>
<td>Wet Locations</td>
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<td></td>
<td></td>
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<tr>
<td>UL1598A Marine Outside Type</td>
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<td>UL 844 Hazardous Locations</td>
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<td>NEMA 3R,4X</td>
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<td>IP66</td>
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</table>

<table>
<thead>
<tr>
<th>2</th>
<th>LAMP CURRENT/LAMP WATTAGE</th>
<th>6</th>
<th>MOUNTING STYLE</th>
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</thead>
<tbody>
<tr>
<td>06 = 45 Watt</td>
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<td>P</td>
<td>¾&quot; Pendant Mount</td>
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<td></td>
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<td>P1</td>
<td>1&quot; Pendant Mount</td>
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<td></td>
<td></td>
<td>C</td>
<td>¾&quot; Ceiling Mount</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C1</td>
<td>1&quot; Ceiling Mount</td>
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<tr>
<td></td>
<td></td>
<td>W</td>
<td>¾&quot; Wall Mount</td>
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<td></td>
<td></td>
<td>W1</td>
<td>1&quot; Wall Mount</td>
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<td></td>
<td></td>
<td>S</td>
<td>1-¼&quot; 25°Stanchion Mount</td>
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<td></td>
<td></td>
<td>S1</td>
<td>1-½&quot; 25°Stanchion Mount</td>
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<tr>
<td></td>
<td></td>
<td>L</td>
<td>1-¼&quot; 90°Stanchion Mount</td>
</tr>
<tr>
<td></td>
<td></td>
<td>L1</td>
<td>1-½&quot; 90°Stanchion Mount</td>
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<table>
<thead>
<tr>
<th>3</th>
<th>LAMP TYPE</th>
<th>7</th>
<th>OPTIONS</th>
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<tbody>
<tr>
<td>L = LED</td>
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<td>SS</td>
<td>Stainless Steel Inserts</td>
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<table>
<thead>
<tr>
<th>4</th>
<th>DRIVER VOLTAGE</th>
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<th>---</th>
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</thead>
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<tr>
<td>U = 120-277V 50/60HZ</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N = 347/480V 60HZ</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

Catalog logic is for explaining catalog number structure only. Not all combinations are possible; consult factory for catalog numbers not listed in charts.

1 Consult factory for pricing.
**SXPJ Series LED**

**Features**
- Glare Free Performance
- Replaces up to 250 watt Metal Halide and 250 watt High Pressure Sodium
- 60,000 or more hours rated lamp life with 70% lumen maintenance
- Constant Current
- 120-277V, 50/60Hz
- 55° C Maximum Ambient Temperature
- Line Transient Protection: 4 KV line to line 2 KV line to ground

**Certifications**
- Class I, Division 1, Groups C & D
- Class II, Division 1, Groups E, F & G
- Class I, Zone I, Groups IIA & IIB
- Class III
- Factory Sealed
- NEMA 3, 4, 4X & 7CD
- UL 1598, 1598A, 8750, & 844
- Tested to LM79 & LM80 standards

**Mounting Options**
- Stanchion
- Wall
- Ceiling
- Pendant
- Trunnion

**Standard Materials**
- Copper Free Cast Aluminum Alloy Housing
- Baked Epoxy Powder Coating
- Stainless Steel External Hardware
- Prismatic Tempered Glass Globe
- Stainless Steel Guard
- Silicone Gaskets

**Certification Guide**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Lamp</th>
<th>Type</th>
<th>Watts</th>
<th>Rated Ambient °C</th>
<th>Class I, Groups C &amp; D, Class 1, Zone 1, Groups IIA, IIB, &amp; IIC</th>
<th>Class II, Groups E, F &amp; G Class III</th>
<th>Supply Wire Temperature Rating, Minimum °C</th>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Mounts: Pendant, Wall or Ceiling, Trunnion or Stanchion</td>
<td>Mounts: Pendant, Wall, Ceiling or Stanchion only</td>
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<tr>
<td>SXPJ10L</td>
<td>LED</td>
<td>98</td>
<td>40</td>
<td>85 (T6)</td>
<td>85 (T6)</td>
<td>85 (T6)</td>
<td>90</td>
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<tr>
<td>SXPJ10L</td>
<td>LED</td>
<td>98</td>
<td>55</td>
<td>85 (T6)</td>
<td>85 (T6)</td>
<td>---</td>
<td>90</td>
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</tbody>
</table>
Catalog Number Logic

SXPJ 10-L-U-GG-P-XX

1 BASIC SERIES
Class I, Divisions 1, Groups C & D
Class II, Division 1, Groups E, F & G*
Class III
Class I, Zone 1, Groups IIA & IIB
Factory Sealed
UL1598, 1598A, 8750 & 844
NEMA Type 4X, IP66
Tested to IESNA LM79 & LM80 standards
* Except Trunnion Mount

2 LAMP TYPE
10 = 98 Watt (LED Only)

3 LAMP CURRENT/LAMP WATTAGE
L = LED

4 BALLAST VOLTAGE
U = 120-277V 50/60HZ

5 GLOBE & GUARD
GG = Globe and Guard
G = Globe only

6 MOUNTING STYLE
P = 3/4" Pendant Mount
P1 = 1" Pendant Mount
C = 3/4" Ceiling Mount
C1 = 1" Ceiling Mount
W = 3/4" Wall Mount
W1 = 1" Wall Mount
S = 1-1/4" Stanchion Mount
S1 = 1-1/2" Stanchion Mount
T = Trunnion Mount

7 OPTIONS¹
FB = Fuse Block ² ³

¹ Consult factory for pricing.
² Please specify voltage. When installed, one fuse block is provided for 120 & 277v and two fuse blocks are provided for 208 & 240v.
³ Fuse option not available for marine listed fixtures.

Catalog logic is for explaining number structure only. Not all combinations are possible. Consult Factory
XPEX Series LED

Features
• Explosion Proof LED Exit Light
• Red or green legend
• Single or dual panel edge lit design
• LED light source- 25 year life expectancy
• Maximum 3 watts power consumption
• Fully integrated electronic circuit board and components
• Integrated battery backup option with three hour operation
• Emergency fixtures meet or exceed NFPA 70 and NFPA 101 standards
• Energy Star rated
• Factory sealed
• Custom colors available
• Custom legends available

Certifications
• Class I, Division 1, Groups C & D
• Class II, Division 1 & 2, Groups E, F & G
• Class III
• Class I, Zone 1, Groups IIA, IIB
• Zone 2, Groups IIA & IIB + H2 & IIC
• UL 1598A Marine Outside Type
• UL 844, 8750 & 924
• IP65
• Temperature Class (T-Rating)- T6
• Patent Number 7,287,347

Standard Materials
• Copper Free Cast Aluminum Alloy Housing
• Epoxy Powder Coated
• Wall/Pendant or End Mount Configurations
• Acrylic Lens

Certification Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Legend</th>
<th>Ambient Temperature °C</th>
<th>Class I, Div. 1, Groups C, D</th>
<th>Class II, Div. 1, Groups E, F, G, Class III</th>
<th>Simultaneous Presence Class I &amp; Class II</th>
<th>Class I, Zone 1, Groups IIA, IIB</th>
<th>UL1598A Outdoor</th>
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<tbody>
<tr>
<td>XPEX</td>
<td>Green</td>
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<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>YES</td>
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<tr>
<td>XPEX</td>
<td>Red</td>
<td>55</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
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</table>
XPEX Series LED

Catalog Number Logic

XPEX-2-G-DT-WP-XX

1. BASIC SERIES
   XPEX Explosion Proof LED Exit Light
   Class I, Division 1, Groups C, & D
   Class II, Division 1 Groups E, F & G
   Class III
   Class I, Zone 1, Groups IIA, IIB,
   Zone 2, Groups IIA, IIB + H2 & IIC
   Marine Outside Type
   UL 1598A, 8750, 844, 924
   IP65
   Temperature Class (T-Rating)-T6

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 50/60HZ
   Other voltages available- consult factory

5. MOUNTING
   WP = Wall/Pendant Mounting
   EB = End Bracket

6. OPTIONS
   EM = Emergency Battery Backup
   EU = Green Running Man Exit Legend
   SD = Self Diagnostics
   X = Exit Legend in Other Languages
      Language Must Be Specified
   *Consult factory for pricing.

Operating Temperature Range

<table>
<thead>
<tr>
<th>Legend</th>
<th>Temperature Rating- T6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Legend</td>
<td>+10° C Minimum to +55° C Maximum</td>
</tr>
<tr>
<td>Green Legend</td>
<td>+10° C Minimum to +40° C Maximum</td>
</tr>
</tbody>
</table>

Battery Wattage

Red without battery- 1.5 Watts
Red with battery- 2.5 Watts
Green without battery- 2.3 Watts
Green with battery- 3 Watts
**Features**
- Explosion Proof LED Multipurpose Sign Light
- Red or green legend
- Single or dual panel edge lit design
- LED light source- 25 year life expectancy
- Maximum 3 watts power consumption
- Fully integrated electronic circuit board and components
- Integrated battery backup option with three hour operation
- Emergency fixtures meet or exceed NFPA 70 and NFPA 101 standards
- Energy Star rated
- Factory sealed
- Custom colors available
- Custom legends available

**Certifications**
- Class I, Division 2, Groups A, B, C & D
- Class II, Division 2, Groups F & G
- Class III
- UL 1598A Marine Outside Type
- UL 844, 8750 & 924
- ETL Listed
- IP65
- Temperature Class (T-Rating)- T6
- Patent Number 7,287,347

**Standard Materials**
- Copper Free Cast Aluminum Alloy Housing
- Epoxy Powder Coated
- Wall/Pendant or End Mount Configurations
- Acrylic Lens

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**Certification Guide**

<table>
<thead>
<tr>
<th>Model</th>
<th>Legend</th>
<th>Ambient Temperature °C</th>
<th>Class I, Div. 1, Groups C, D</th>
<th>Class II, Div. 1, Groups E, F, G, Class III</th>
<th>Simultaneous Presence Class I &amp; Class II</th>
<th>Class I, Zone 1, Groups IIA, IIB</th>
<th>UL1598A Outdoor</th>
</tr>
</thead>
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<td>Green</td>
<td>40</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
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<tr>
<td>XPS</td>
<td>Red</td>
<td>40</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
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</table>
XPS Series LED

Catalog Number Logic

**XPS-2-G-DT-WP-XX**

1. **BASIC SERIES**
   - XPS Explosion Proof LED Exit Light *
   - *Customer must specify sign color and legend*
   - Class I, Division 1, Groups C, & D
   - Class II, Division 1 Groups E, F & G
   - Class III
   - Class I, Zone 1, Groups IIA, IIB, Zone 2, Groups IIA, IIB + H2 & IIC
   - Marine Outside Type
   - UL 1598A, 8750, 844, 924
   - IP65
   - Temperature Class (T-Rating)-T6

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

3. **LEGEND COLOR**
   - A = Amber
   - B = Blue
   - R = Red
   - G = Green
   - X = Other (Consult Factory)

4. **VOLTAGE/FREQUENCY**
   - DT = 120/277V 60HZ
   - 24 = 220-240V 50/60HZ
   - Other voltages available- consult factory

5. **MOUNTING**
   - WP = Wall/Pendant Mounting
   - EB = End Bracket

6. **OPTIONS**
   - EM = Emergency Battery Backup
   - X = Specify Legend (Cannot Say EXIT)
   - Language Must Be Specified
   - *Consult factory for pricing.

---

**Operating Temperature Range**

Temperature Rating- T6

<table>
<thead>
<tr>
<th>Legend</th>
<th>Minimum to Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>+10° C to +55° C</td>
</tr>
<tr>
<td>Green</td>
<td>+10° C to +40° C</td>
</tr>
</tbody>
</table>

**Battery Wattage**

<table>
<thead>
<tr>
<th>Legend</th>
<th>Wattage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>1.5 Watts</td>
</tr>
<tr>
<td>Red</td>
<td>2.5 Watts</td>
</tr>
<tr>
<td>Green</td>
<td>2.3 Watts</td>
</tr>
<tr>
<td>Green</td>
<td>3.0 Watts</td>
</tr>
</tbody>
</table>
Features
• Hazardous Location LED Exit Sign
• Red or green legend
• Single or dual panel edge lit design
• LED light source - 25 year life expectancy
• Maximum 3 watts power consumption
• Fully integrated electronic circuit board and components
• Integrated battery backup option with three hour operation
• Emergency fixtures meet or exceed NFPA 70 and NFPA 101 standards
• Energy Star rated
• Factory sealed
• Custom colors available
• Custom legends available

Certifications
• Class I, Division 2, Groups A, B, C & D
• Class II, Division 2, Groups F & G
• Class III
• UL 1598A Marine Outside Type
• UL 844, 8750 & 924
• ETL Listed
• IP65
• Temperature Class (T-Rating) - T6
• Patent Number 7,287,347

Standard Materials
• Copper Free Cast Aluminum Alloy Housing
• Epoxy Powder Coated
• Wall/Pendant or End Mount Configurations
• Acrylic Lens

Certification Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Legend</th>
<th>Ambient Temperature °C</th>
<th>Class I, Div. 1, Groups C, D</th>
<th>Class II, Div. 1, Groups E, F, G, Class III</th>
<th>Simultaneous Presence Class I &amp; Class II</th>
<th>Class I, Zone 1, Groups II A, IIB</th>
<th>UL1598A Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLEX</td>
<td>Green</td>
<td>40</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>YES</td>
</tr>
<tr>
<td>HLEX</td>
<td>Red</td>
<td>55</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>YES</td>
</tr>
</tbody>
</table>
HLEX Series LED

**Catalog Number Logic**

**HLEX-2-G-DT-WP-XX**

1. **BASIC SERIES**
   - HLEX Hazardous Location Exit Light
   - Class I, Division 2, Groups A, B, C, & D
   - Class II, Division 2, Groups F & G
   - Class III
   - UL 1598A Marine Outside Type
   - UL 844, 8750, 924
   - IP65
   - ETL Listed
   - Temperature Class (T-Rating)-T6

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 50/60HZ
   - Other voltages available- consult factory.

5. **MOUNTING**
   - WP = Wall/Pendant Mounting
   - EB = End Bracket

6. **OPTIONS**
   - EM = Emergency Battery Backup
   - EU = Green Running Man Exit Legend
   - SD = Self Diagnostics
   - X = Exit Legend in Other Languages
   - Language Must Be Specified
   - 1 Consult factory for pricing.

---

**Operating Temperature Range**

- **Temperature Rating- T6**
  - Red Legend: +10° C Minimum to +55° C Maximum
  - Green Legend: +10° C Minimum to +40° C Maximum

**Battery Wattage**

- Red without battery- 1.5 Watts
- Red with battery- 2.5 Watts
- Green without battery- 2.3 Watts
- Green with battery- 3 Watts
HLS Series LED

**Features**
- Hazardous Location LED Multipurpose Sign Light
- Red or green legend
- Single or dual panel edge lit design
- LED light source- 25 year life expectancy
- Maximum 3 watts power consumption
- Fully integrated electronic circuit board and components
- Integrated battery backup option with three hour operation
- Emergency fixtures meet or exceed NFPA 70 and NFPA 101 standards
- Energy Star rated
- Factory sealed
- Custom colors available
- Custom legends available

**Certifications**
- Class I, Division 2, Groups A, B, C & D
- Class II, Division 2, Groups F & G
- Class III
- UL 1598A Marine Outside Type
- UL 844, 8750 & 924
- ETL Listed
- IP65
- Temperature Class (T-Rating)- T6
- Patent Number 7,287,347

**Standard Materials**
- Copper Free Cast Aluminum Alloy Housing
- Epoxy Powder Coated
- Wall/Pendant or End Mount Configurations
- Acrylic Lens

<table>
<thead>
<tr>
<th>Model</th>
<th>Legend</th>
<th>Ambient Temperature °C</th>
<th>Class I, Div. 1, Groups C, D</th>
<th>Class II, Div. 1, Groups E, F, G, Class III</th>
<th>Simultaneous Presence Class I &amp; Class</th>
<th>Class I, Zone 1, Groups IIA, IIB</th>
<th>UL1598A Outdoor</th>
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</thead>
<tbody>
<tr>
<td>HLS</td>
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<td>T6</td>
<td>T6</td>
<td>T6</td>
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</tr>
<tr>
<td>HLS</td>
<td>Red</td>
<td>55</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>T6</td>
<td>YES</td>
</tr>
</tbody>
</table>

**Certification Guide**
HLS Series LED

Catalog Number Logic

HLS-2-G-DT-WP-XX

1  2  3  4  5  6

1 BASIC SERIES
   HLS Hazardous Location LED Multipurpose Sign Light*
   * Customer must specify sign color and legend
   Class I, Division 2, Groups A, B, C, & D
   Class II, Division 2, Groups F & G
   Class III
   UL 1598A Marine Outside Type
   UL  844, 8750, 924
   IP65
   ETL Listed
   Temperature Class (T-Rating)-T6

2 NUMBER OF FACES
   1 = Single Face
   2 = Double Face

3 LEGEND COLOR
   A = Amber
   B = Blue
   R = Red
   G = Green
   X = Other (Contact Factory)

4 VOLTAGE/FREQUENCY
   DT = 120/277V 60HZ
   24 = 220-240V 50/60HZ
   Other voltages available- consult factory.

5 MOUNTING
   WP = Wall/Pendant Mounting
   EB = End Bracket

6 OPTIONS¹
   EM= Emergency Battery Backup
   X = Specify Legend (Cannot Say EXIT)
¹Consult factory for pricing.

Operating Temperature Range

Temperature Rating- T6

Red Legend
  +10° C Minimum to +55° C Maximum
Green Legend
  +10° C Minimum to +40° C Maximum

Battery Wattage

Red without battery- 1.5 Watts
Red with battery- 2.5 Watts
Green without battery- 2.3 Watts
Green with battery- 3 Watts
**MHDA/MHDS Series LED**

**Features**
- Hazardous location marine rated LED
- Stainless steel mounting brackets
- Heavy duty injection molded lens with reinforced corners
- Dual stainless steel lens tethers
- Ceiling mount or pendant mount options
- 60,000 or more hours rated lamp life with 70% lumen maintenance
- 3/4” NPT Aluminum Conduit Hubs
- Water tight gasket attached to the lens for superior ingress protection
- Line Transient Protection: 4 KV line to line, 2 KV line to ground
- Constant Current

**Certifications**
- Class I, Division 2, Groups A, B, C & D
- Class II, Division 2, Groups F & G
- Class III
- UL 1598A Marine Outside Type
- UL 844, 8750
- Tested to LM 79 & LM 80
- CSA C22.2 #137
- CSA C22.2 #213
- ETL Listed
- 55° C Ambient Temperature
- IP66

**Standard Materials**
- Copper Free Cast Aluminum Alloy Housing or 304 Stainless Steel- 316 Stainless Steel Option Available
- Epoxy Powder Coated White
- Captive Stainless Steel Latches
- Acrylic Lens- Polycarbonate Option Available

**Certification Guide**

<table>
<thead>
<tr>
<th>Model</th>
<th>Ambient Temperature °C</th>
<th>Class I, Div. 2 Groups A, B, C &amp; D</th>
<th>Class II, Div. 2, Groups F &amp; G, Class III</th>
<th>Supply Wire Suitable Temperature °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHDA/S10L4U</td>
<td>55</td>
<td>T4A</td>
<td>T4</td>
<td>105</td>
</tr>
</tbody>
</table>
MHDA/MHDS Series LED

Catalog Number Logic

MHDA 10-L- 4 -U-XX

1 2 3 4 5 6

1 BASIC SERIES
MHDA Aluminum LED
MHDS Stainless Steel LED
Class I, Division 2, Groups A, B, C and D
Class II, Division 2 Groups F & G
Group III
UL 844 Hazardous Locations
UL 1598A Marine Outside Type
UL 8750 LED Safety
CSA C22.2 #137; C22.2 #213
ETL Listed
Tested to LM79 & LM80
55° C Ambient Temperature
IP66

2 LAMP CURRENT/LAMP WATTAGE
10 = 80 Watt

3 LAMP TYPE
L = LED

4 NOMINAL FIXTURE LENGTH
4 = Four Foot

5 VOLTAGE/FREQUENCY
U = 120-277V 50/60 HZ

6 OPTIONS
P = Polycarbonate Lens
FB = Fuse Block
TB = Terminal Block
TW = Thru Wire
   Cable Installations Only
PM = Pendant Mount
SP = Surge Protector
316 = 316 Stainless Steel Housing

1 Consult factory for pricing.
2 Fuse option not available for marine listed fixtures.
**Features**
- Hazardous Location Marine Rated LED
- Cast Aluminum End Caps
- UV Resistant Non-Metallic Hinges
- Extruded Aluminum Lens Frame
- 360° Mounting Flexibility
- 60,000 or more hours rated lamp life with 70% lumen maintenance
- 3/4” NPT Aluminum Conduit Hubs
- Water tight gasket attached to the lens for superior ingress protection
- Line Transient Protection: 4 KV line to line. 2 KV line to ground
- Constant Current

**Certifications**
- Class I, Division 2, Groups A, B, C & D
- UL 1598A Marine Outside Type
- UL 844 Hazardous Locations
- UL 8750 LED Safety
- Tested to LM 79 & LM 80
- CSA C22.2 #137
- CSA C22.2 #213
- ETL Listed
- 55° C Ambient Temperature

**Standard Materials**
- Copper Free Extruded Aluminum Housing
- Stainless Steel Cam Action Latches
- Shatter and Heat Resistant Acrylic Lens

**Certification Guide**

<table>
<thead>
<tr>
<th>Model</th>
<th>Ambient Temperature °C</th>
<th>Class I, Division 2 Groups A, B, C &amp; D</th>
<th>Supply Wire Suitable Temp °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR210L4U</td>
<td>55</td>
<td>T4A</td>
<td>105</td>
</tr>
<tr>
<td>MAR210L2U</td>
<td>55</td>
<td>T4A</td>
<td>105</td>
</tr>
</tbody>
</table>
Catalog Number Logic

MAR2 10 - L - 4 - U - XX

1. BASIC SERIES
   MAR2 LED Fixture
   Class I, Division 2, Groups A, B, C & D
   UL 844 Hazardous Locations
   UL 1598A Marine Outside Type
   UL 8750 LED
   CSA C22.2 #137
   CSA C22.2 #213
   ETL Listed
   55°C Ambient Temperature

2. LAMP CURRENT/LAMP WATTAGE
   10 = 80 Watt

3. LAMP TYPE
   L = LED

4. NOMINAL FIXTURE LENGTH
   2 = Two Foot
   4 = Four Foot

5. VOLTAGE/FREQUENCY
   U = 120 THRU 277  50/60HZ

6. OPTIONS
   TW = End Mounting/Thru Wire
        Cable Installations Only
   F = Single Fuse
   TM = Tempered Glass
   EB = Eye Bolt Only
   SC = Safety Cable with Eye Bolt
   SP = Surge Protector

1 Consult factory for pricing.
2 Fuse option not available for marine listed fixtures.
WFH Series LED

Features
• Replaces up to 400 watt Metal Halide
• Color Temperature: 5,000 CCT (K)
• CRI: >75
• 60,000 or more hours rated lamp life with 70% lumen maintenance
• Total Lumens:
  200 Watts clear: 11,120  prismatic: 9,636
• Constant Current
• 120-277V, 50/60Hz or 347/480V, 60Hz
• Up to 180 LEDs
• Line Transient Protection: 4 KV line to line, 2 KV line to ground
• Standard fixture suitable for freezer applications
• Fixture suitable for -40°C (-40°F) to +25°C (+77°F) ambient temperature

Certifications
• Nema Type 4X
• UL1598 & 8750
• CUL
• NSF Approved
• Enclosed and Gasketed
• Tested to LM79 & LM80 standards
• Hose down tested

Standard Materials
• Continuously welded aluminum construction
• FDA accepted powder coated finish
• Stainless steel hardware
• Extruded silicone lens frame gasket
• Hinged reflector assembly
WFH Series LED

Catalog Number Logic

<table>
<thead>
<tr>
<th>Catalog Number Logic</th>
<th>Logic Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WFH 175-24-4S-CA-U-DH</strong></td>
<td>1234567</td>
</tr>
</tbody>
</table>

- **1** BASIC SERIES
  - WFH LED Hose-Down High Bay
  - NEMA 4X
  - UL1598 Wet Locations
  - CUL
  - Wash Down Rated
  - Hose Down Tested to 1200psi
  - Fire Hose Tested at 65gpm
  - NSF Certified Food Equipment

- **2** LED MAXIMUM SYSTEM WATTAGE
  - 175 = 200 Watt (2 X 4) 180 LEDs

- **3** NOMINAL LUMINAIRE SIZE
  - 24 = 2 x 4 Foot

- **4** NUMBER OF LIGHT STRIPS
  - 4S = 4 Strips

- **5** LENS TYPE
  - CA = Clear Acrylic
  - PA = Prismatic Acrylic

- **6** VOLTAGE/FREQUENCY
  - U = 120 thru 277V 50/60 HZ
  - N = 347 thru 480V 60 HZ

- **7** MOUNTING
  - DH = Dual Hub 1/2 in. NPT
  - SH = Single Hub 3/4 in. NPT

Catalog logic is for explaining number structure only. Not all combinations are possible. Consult Factory.
FPF Series LED

Features
• Unique design tolerates high temperatures, temperature swings and high pressure hose down
• No flat surfaces to collect contaminants
• Enclosed housing eliminates the need for shatterproof lamps
• 60,000 or more hours rated lamp life with 70% lumen maintenance
• Constant Current
• 120-277V, 50/60Hz or 347/480V, 60Hz
• Up to 180 LEDs
• Line Transient Protection: 4 KV line to line, 2 KV line to ground
• Standard fixture suitable for freezer applications
• Fixture suitable for -40°C (-40°F) to +25°C (+77°F) ambient temperature
• Line Transient Protection: 4 KV line to line, 2 KV line to ground
• Constant Current

Certifications
• UL1598 Wet Locations
• UL 8750 LED Safety
• NSF Certified Food Equipment
• Enclosed and Gasketed
• Tested to LM79 & LM80 standards
• Hose down tested

Standard Materials
• Impact resistant DR acrylic housing
• Glare free shield
• Polycarbonate endcaps standard- stainless steel available
• Stainless steel fixed mount kit standard- stainless steel chain and band mount kits available
• Stainless steel external hardware
• 3 foot lead with cord grip standard- water tight disconnects available
FPF Series LED

Catalog Number Logic

FPF 05L-4-U-XX

1. BASIC SERIES
   FPF Non Metallic LED Fixture
   UL 1598 Wet Locations
   UL 8750 LED Safety
   NSF Certified Food Equipment
   LM 79, LM 80

2. LED MAXIMUM SYSTEM WATTAGE
   03L = 25 Watt (2 foot)
   05L = 50 Watt (4 foot)
   10L = 100 Watt (8 foot)

3. NOMINAL FIXTURE LENGTH
   2 = 2 Foot
   4 = 4 Foot
   8 = 8 Foot

4. VOLTAGE/FREQUENCY
   U = 120 thru 277V 50/60 HZ

5. OPTIONS
   F = Single Fuse
   SS = Stainless Steel End Caps

1. Fixtures are furnished with non-metallic cord grip and 3 ft. long #16 AWG 3 conductor type SOA cable.
2. Consult factory for pricing.
Features
• Non-metallic
• Red or Green legend
• Single or dual panel design
• LED light source- 25 year life expectancy
• Maximum 4 watts power consumption
• Fully integrated electronic circuit board and components
• Integrated battery backup option with three hour operation
• Emergency fixtures meet or exceed NFPA 70 and NFPA 101 standards
• Energy Star rated
• Enclosed & gasketed
• Operating temperature 0° C- 40° C

Certifications
• Heavy Hose-Down
• UL 924 Emergency Lighting
• UL 8750 LED Safety

Standard Materials
• Acrylic outer water shield
• Stainless steel hardware
• Polycarbonate end caps
**CEX Series LED**

**Catalog Number Logic**

**CEX-L-2-R-W-A-XX**

1. **BASIC SERIES**
   - CEX = Composite Exit Sign

2. **LAMP SOURCE**
   - L = LED – Light Emitting Diode

3. **NUMBER OF FACES**
   - 1 = Single Face
   - 2 = Double Face

4. **LETTER COLOR**
   - R = Red
   - G = Green

5. **HOUSING COLOR**
   - W = White

6. **VOLTAGE**
   - A = 120V 60HZ
   - C = 277V 60HZ

7. **OPTIONS**
   - EM = Emergency Battery Backup
   - VR = Vandal Resistant Hardware

*Consult factory for pricing.*