



# **NICOR Hazardous Location Series**

**High Efficiency Industrial Lighting** 





NICOR's rugged and durable LED hazardous location fixtures provide years of reliable, maintenance-free operation in environments where flammable vapors or combustible dusts are present. Our linear, flood, and area lights deliver uniform light distribution greater than 126 lumens per watt and have a CRI of 70+ in two CCTs, 4000K and 5000K.

To ensure performance and safety at your facility, each of NICOR's hazloc luminaires is protected against fluctuating power supplies and high exposure conditions with a 10kA Philips SP1 surge protector. Fixtures can install at altitudes as high as 6,560 feet and have a variety of mounting options available to meet your site requirements.

With higher efficacy and lower wattage than existing metal halide or high pressure sodium lights, NICOR's hazloc series are ideal retrofit fixtures that offer greater energy savings, lower maintenance costs, longer life, and shorter paybacks. Our high performance luminaires are also regularly stocked and available to meet your ongoing project demands.

For more details and information, including the latest hazardous location product offerings, visit NICORHazloc.com.



#### **FEATURE LISTING AND RATINGS**

NICOR designs unique features into our lighting fixtures that make them more efficient, easier to install, and superior to similar products so they out-perform our competition.

The following guide defines these features to help you choose the right fixture for your application.



#### **UL LISTED**

UL is a world leader in product safety testing and certification. For more than 100 years, manufacturers have had their merchandise evaluated and tested for safety risks by an independent, third-party safety certification organization. Last year alone, approximately 14 billion products with the UL Mark entered the global market-place. More information can be found at www.ul.com.



#### **5 YEAR WARRANTY**

NICOR Inc. warrants that all NICOR LED branded Solid State Lighting products made by NICOR to be free from defects in material and workmanship under normal consumer usage for a period of 5 years from date of purchase. For complete warranty information please visit nicorlighting.com.



#### **UL Marine Listed**

UL's marks for the marine certification service appear on products that have been evaluated specifically for marine use. Products bearing these marks have been evaluated to UL's published marine Standards for Safety and other applicable standards and codes. More information can be found at www.ul.com.

#### NICOR HAZARDOUS LOCATION CERTIFICATION GUIDE

| Atmosphere Groups  |                                |                      |                  |
|--|--------------------------------|----------------------|------------------|
| Substance  | Hazard Class                   | Division Groups      | Zone Groups      |
| Acetylene  |                                | Group A              | IIC              |
| Hydrogen   |                                | Group B              | IIB + H2         |
| Ethylene   | Class I<br>Flammable Gases     | Group C              | IIB              |
| Propane  |                                | Group D              | IIA              |
| Methane  |                                | Group D              | IIA <sup>2</sup> |
| Combustible Metal Dusts  |                                | Group E <sup>1</sup> | IIIC             |
| Combustible Carbonaceous Dusts   | Class II                       | Group F              | IIIB             |
| Combustible Dusts not in Group E or F<br>(Flour, Grain, Wood, Plastics, Chemicals) | Combustible Dusts              | Group G              | IIIB             |
| Combustible Fibers and Flyings   | Class III<br>Fibers and Flying | N/A                  | IIIA             |

| Other Useful Standards                                    |                  |                                 |  |
|---|------------------|---------------------------------|--|
| Standard Types  | IEC Standards    | US & CAN Standards              |  |
| Area Classification - Gases, Vapors and Mists             | IEC 60079-10-1   | NFPA 497                        |  |
| Area Classification - Combustible Dusts, Fibers, Flyings  | IEC 60079-10-2   | NFPA 499                        |  |
| Electrical Equipment Installation                         | IEC 60079-14     | NFPA 70 [NEC*]/CSA C22.1 [CEC*] |  |
| Electrical Equipment Inspection and Maintenance           | IEC 60079-17     | NFPA 70B                        |  |
| Electrical Equipment Repair and Overhaul                  | IEC 60079-19     | -                               |  |
| Material Characteristics for Gas and Vapor Classification | IEC 60079-20-1   | NFPA 497                        |  |
| Material Characteristics for Dust Classification          | IEC 60079-20-2   | NFPA 499                        |  |
| Application of Quality Systems for Equipment Manufacture  | ISO/IEC 80079-34 | -                               |  |
| Quality Management Systems                                | ISO 9001         | ISO 9001                        |  |

| Temperature Classification' |                 |                      |
|-----------------------------|-----------------|----------------------|
| Max. Surface Temperature    | NEC® 500 / CEC® | NEC®505/IEC-Group II |
| 450° C (842° F)             | T1              | T1                   |
| 300° C (572° F)             | T2              | T2                   |
| 280° C (536° F)             | T2A             |                      |
| 260° C (500° F)             | T2B             |                      |
| 230° C (446° F)             | T2C             |                      |
| 215° C (419° F)             | T2D             |                      |
| 200° C (392° F)             | T3              | Т3                   |
| 180° C (356° F)             | T3A             |                      |
| 165° C (329° F)             | T3B             |                      |
| 160° C (320° F)             | T3C             |                      |
| 135° C (275° F)             | T4              | T4                   |
| 120° C (248° F)             | T4A             |                      |
| 100° C (212° F)             | T5              | T5                   |
| 85° C (185° F)              | T6              | T6                   |

# ERES - XPR

# Hazardous Location LED Area Light

The Eres Hazardous Location LED Area Light is designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambient temperature can be expected. For use in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC, Eres fixtures are available in 45W and 65W in class C1D2. The Eres is ideal for retrofit of existing HPS/MH and offers higher efficacy for increased energy savings, lower maintenance costs and shorter paybacks.

Certifications: UL 844 & CSA22.2; Class I Division 2 Group A, B, C, D; Class II Division I Group E, F, G; Class II Division 2 Group F and G; Class III; UL1598A Marine

Housing: Copper-free, die-cast aluminum

**CCT:** 4000K, 5000K

Input Voltage: 100-240/277 VAC

Surge Protection: Philips SP1 10kA surge protector

Operating temperature: -40° to 131°F (-40°C to 55°C)

**Installation:** Easy installation with seven available mounting options: Ceiling, Wall/Mounting (25° or 90°), Stanchion Mount (25° or 90°), Adjustable Bracket, Pendant

Access Ports: Four at 3/4" NPT (only available on ceiling and wall mount attachments)

**Finish:** Gray polyester powder coat

FCC: Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions



5000K



6750Lm





65W



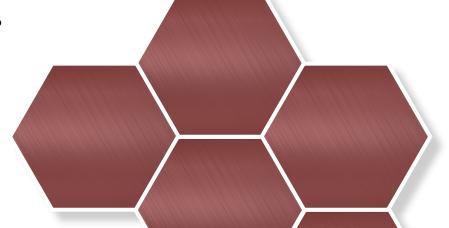


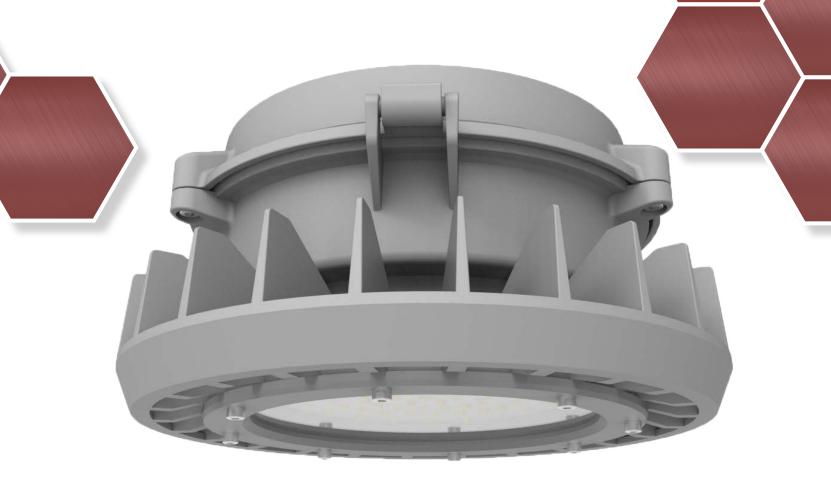




9416Lm 9891Lm

144.6 151.9





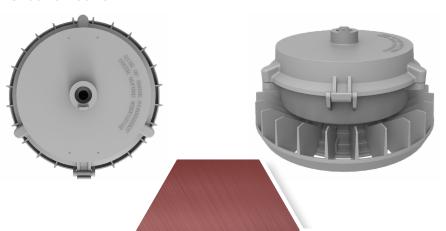
#### Multi-Mount (shown with ceiling mount attachment)

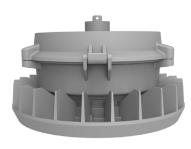






#### **Pendant Mount**









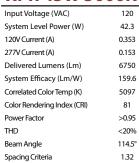


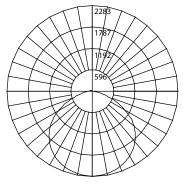


### **Eres** | Hazardous Location LED Area Light

#### Photometric Data - Class: B (C1D2)

#### **XPR 45W 5000K**





| Intensity Summary<br>(Candle Power) |       | М       |  |
|-------------------------------------|-------|---------|--|
|                                     | Angle | Mean CP |  |
|                                     | 0     | 2403    |  |
|                                     | 5     | 2396    |  |
|                                     | 15    | 2334    |  |
|                                     | 25    | 2208    |  |
|                                     | 35    | 2009    |  |
|                                     | 45    | 1721    |  |
|                                     | 55    | 1324    |  |
|                                     | 65    | 801     |  |
|                                     | 75    | 261     |  |
|                                     | 85    | 15      |  |

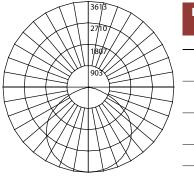
| CCT Data Mu   | ltiplier |
|---------------|----------|
| XPR1B045U40GR | 0.952    |

| Cone of Light Tabulation |                            |                    |
|--------------------------|----------------------------|--------------------|
| Mounted height<br>(Feet) | Footcandles<br>Beam Center | Diameter<br>(Feet) |
| 8                        | 37.6                       | 10.5               |
| 10                       | 24.0                       | 13.1               |
| 12                       | 16.7                       | 15.8               |
| 14                       | 12.2                       | 18.4               |
| 16                       | 9.4                        | 21.0               |
| 18                       | 7.4                        | 23.8               |
| 20                       | 6.1                        | 26.0               |

| Zonal Lumen Summary |        |                |
|---------------------|--------|----------------|
| Zone                | Lumens | % of Luminaire |
| 0-30                | 1904   | 28.2%          |
| 0-40                | 3159   | 46.8%          |
| 0-60                | 5651   | 83.7%          |
| 0-90                | 6737   | 99.8%          |
| 90-180              | 13     | 0.2%           |
| 0-180               | 6750   | 100.0%         |

#### **XPR 65W 5000K**

| 71 11 05 11 5 U             | 0011   |
|-----------------------------|--------|
| Input Voltage (VAC)         | 120    |
| System Level Power (W)      | 65.1   |
| 120V Current (A)            | 0.543  |
| 277V Current (A)            | 0.235  |
| Delivered Lumens (Lm)       | 9891   |
| System Efficacy (Lm/W)      | 151.9  |
| Correlated Color Temp (K)   | 5103   |
| Color Rendering Index (CRI) | 81     |
| Power Factor                | >0.95  |
| THD                         | <20%   |
| Beam Angle                  | 114.2° |
| Spacing Criteria            | 1.32   |
|                             |        |



|   | Intensity Summary<br>(Candle Power) |         |
|---|-------------------------------------|---------|
|   | Angle                               | Mean CP |
| 7 | 0                                   | 3523    |
| \ | 5                                   | 3514    |
| 7 | 15                                  | 3423    |
| - | 25                                  | 3238    |
| _ | 35                                  | 2942    |
| 7 | 45                                  | 2521    |
| 1 | 55                                  | 1934    |
| · | 65                                  | 1153    |
|   | 75                                  | 376     |
|   | 85                                  | 24      |
|   | 90                                  | 3       |
|   |                                     |         |

| CCT Data Mul  | tiplier |
|---------------|---------|
| XPR1B065U40GR | 0.952   |

| Cone of Light Tabulation |                            |                    |
|--------------------------|----------------------------|--------------------|
| Mounted height<br>(Feet) | Footcandles<br>Beam Center | Diameter<br>(Feet) |
| 8                        | 55.0                       | 10.5               |
| 10                       | 35.2                       | 13.1               |
| 12                       | 24.5                       | 15.7               |
| 14                       | 18.0                       | 18.3               |
| 16                       | 13.8                       | 20.9               |
| 18                       | 10.8                       | 23.5               |
| 20                       | 8.8                        | 26.0               |

| Zonal Lumen Summary |        |                |
|---------------------|--------|----------------|
| Zone                | Lumens | % of Luminaire |
| 0-30                | 2794   | 28.2%          |
| 0-40                | 4633   | 46.8%          |
| 0-60                | 8284   | 83.8%          |
| 0-90                | 9865   | 99.7%          |
| 90-180              | 26     | 0.3%           |
| 0-180               | 9891   | 100.0%         |
|                     |        |                |

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

| Performance Data |        |       |             |  |  |
|------------------|--------|-------|-------------|--|--|
| Model Number     | Lumens | Watts | Lumens/Watt |  |  |
| XPR1B045U40GR    | 6426   | 42.3  | 151.9       |  |  |
| XPR1B045U50GR    | 6750   | 42.3  | 159.6       |  |  |
| XPR1B065U40GR    | 9416   | 65.1  | 144.6       |  |  |
| XPR1B065U50GR    | 9891   | 65.1  | 151.9       |  |  |

| Ordering Information |                      |                 |                  |                           |                    |           |                   |                       |
|----------------------|----------------------|-----------------|------------------|---------------------------|--------------------|-----------|-------------------|-----------------------|
| Series               | Version              | Class           | Wattage          | Voltage                   | CCTs               | Finish    | Mounting          | Lens                  |
| XPR                  | <b>1</b> (Version 1) | <b>B</b> (C1D2) | <b>045</b> (45W) | <b>U</b> (100-240/277VAC) | <b>40</b> (4000 K) | GR (gray) | M (Multi-Mount)*  | (Clear)               |
|                      |                      |                 | <b>065</b> (65W) |                           | <b>50</b> (5000 K) |           | P (Pendant Mount) | <b>D</b> (Diffused)** |

\*Multi-mount required for all mounting options except pendant and U-bracket \*\*Special order. Consult factory for availability.

#### **Accessories - Pendant and Safety**

Trunnion Mount XPR1BRACKET
3' Standard Safety Cable XP1SAFETYCABLE-3
Wire Guard XPR1WG
Glass Drop Lens XPR1BDROPLENS
Wire Guard for Drop Lens XPR1WGDROPLENS

#### **Accessories** - Mounting Options

 Ceiling Mount Junction Box
 XPR1JBOX

 25° Stanchion (1.25")
 XPR1STANCHION25125

 25° Stanchion (1.50")
 XPR1STANCHION25150

 90° Stanchion (1.25")
 XPR1STANCHION90125

 90° Stanchion (1.50")
 XPR1STANCHION90150

 25° Wall Mount
 XPR1WALLMOUNT25

 90° Wall Mount
 XPR1WALLMOUNT90

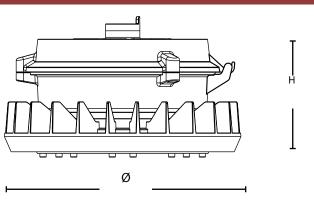
### **Eres** | Hazardous Location LED Area Light

#### Dimensions

#### 45/65W

 Fixture Diameter (Ø)
 10.2 in (259mm)

 Fixture Height (H)
 4.875 in (124mm)



#### **Ceiling Mounting (JBox)**

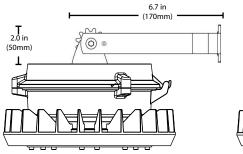
#### **U Bracket Mounting**

# 10.0 in (255mm)

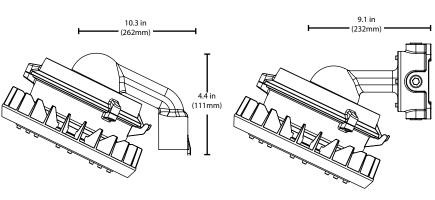
Stanchion 90° Mounting

#### o bracket Mountain

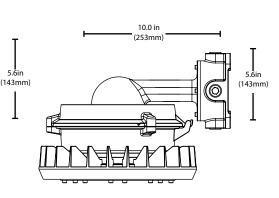
Wall 25° Mounting



#### Stanchion 25° Mounting



#### Wall 90° Mounting



#### **Mounting Options**

Ceiling Mount Junction Box XPR1JBOX **U-Bracket** XPR1BRACKET 25° Wall Mount XPR1WALLMOUNT25 90° Wall Mount XPR1WALLMOUNT90 25° Stanchion (1.25") XPR1STANCHION25125 25° Stanchion (1.50") XPR1STANCHION25150 90° Stanchion (1.25") XPR1STANCHION90125 90° Stanchion (1.50") XPR1STANCHION90150



# PROTEUS - XPL

# Hazardous Location LED Linear Luminaire

The Proteus Hazardous Location LED Luminaire is designed for installations where moisture, dirt, corrosion and vibration may be present. For use in locations made hazardous by the presence of flammable vapors or gases as defined by the NEC, Proteus fixtures are available in class C1D2 in 40W with a two foot length or in 80W with a four foot length. Proteus Series is ideal for retrofit of existing HPS/MH & FL and offers higher efficacy for increased energy savings, lower maintenance costs and shorter paybacks.

Certifications: UL 844 & CSA22.2; Class I Division 2 Group A, B, C, D; UL1598A Marine (Salt Water), Wet Location; UL8750LED Safety; IECEx Ex nR II C T6 Gc; CSA C22.2 No. 137-M1981

**Housing:** Copper-free, die-cast aluminum

**CCT:** 4000K, 5000K

Input Voltage: 100-240/277 VAC

Surge Protection: Philips SP1 10kA surge protector

**Operating temperature:** -40° to 122°F (-40°C to 50°C)

**Installation:** Easy installation with three mounting options: Ceiling, Wall/Stanchion, and Hanging Chain. Included mounting bracket is drilled for legacy bolt patterns

Access Ports: Two at 3/4" NPT

Finish: Gray polyester powder coat

FCC: Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions



5000K

4000K

5000K





















80W











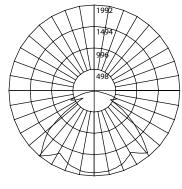


## **Proteus** | Hazardous Location LED Linear Luminaire

#### Photometric Data - Class: B (C1D2)

#### **XPL 40W 5000K**

Input Voltage (VAC) 120 System Level Power (W) 40.9 120V Current (A) 0.341 277V Current (A) 0.148 Delivered Lumens (Lm) 5480 System Efficacy (Lm/W) 134.1 5053 Correlated Color Temp (K) 81 Color Rendering Index (CRI) >0.95 Power Factor <20% 105.9° Beam Angle 1.46 Spacing Criteria



|   |                            | nsity Sumn<br>andle Powe  |                                  |   |
|---|----------------------------|---------------------------|----------------------------------|---|
| ١ | Angle                      | Along                     | Across                           |   |
| 7 | 0                          | 1915                      | 1915                             |   |
| _ | 5                          | 1906                      | 1914                             |   |
| - | 15                         | 1860                      | 1872                             |   |
| — | 25                         | 1743                      | 1771                             |   |
| _ | 35                         | 1779                      | 1602                             |   |
| 7 | 45                         | 1519                      | 1396                             |   |
| 7 | 55                         | 775                       | 1039                             |   |
| / | 65                         | 472                       | 698                              |   |
|   | 75                         | 276                       | 319                              |   |
|   | 85                         | 0                         | 29                               |   |
|   | 90                         | 0                         | 5                                |   |
| 7 | 45<br>55<br>65<br>75<br>85 | 1519<br>775<br>472<br>276 | 1396<br>1039<br>698<br>319<br>29 | _ |

|--|

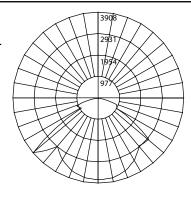
| CCI Data     | Multiplier |
|--------------|------------|
| PL1B040U40GR | 0.952      |

| Cone of Light Tabulation   |   |  |  |  |
|----------------------------|---|--|--|--|
| Footcandles<br>Beam Center | Diameter<br>(Feet)  |  |  |  |
| 29.9                       | 10.1  |  |  |  |
| 19.1                       | 12.7  |  |  |  |
| 13.3                       | 15.2  |  |  |  |
| 9.8                        | 17.7  |  |  |  |
| 7.5                        | 20.3  |  |  |  |
| 5.9                        | 23.0  |  |  |  |
| 4.8                        | 25.0  |  |  |  |
|                            | Footcandles<br>Beam Center<br>29.9<br>19.1<br>13.3<br>9.8<br>7.5<br>5.9 |  |  |  |

| Zonal Lumen Summary |        |                |  |  |  |
|---------------------|--------|----------------|--|--|--|
| Zone                | Lumens | % of Luminaire |  |  |  |
| 0-30                | 1514   | 27.6%          |  |  |  |
| 0-40                | 2543   | 46.4%          |  |  |  |
| 0-60                | 4586   | 83.7%          |  |  |  |
| 0-90                | 5480   | 100.0%         |  |  |  |
| 90-180              | 0      | 0.0%           |  |  |  |
| 0-180               | 5480   | 100.0%         |  |  |  |

#### **XPL 80W 5000K**

| 711 E 0011 50               | 0011   |
|-----------------------------|--------|
| Input Voltage (VAC)         | 120    |
| System Level Power (W)      | 79.3   |
| 120V Current (A)            | 0.661  |
| 277V Current (A)            | 0.286  |
| Delivered Lumens (Lm)       | 10960  |
| System Efficacy (Lm/W)      | 138.3  |
| Correlated Color Temp (K)   | 5047   |
| Color Rendering Index (CRI) | 81     |
| Power Factor                | >0.95  |
| THD                         | <20%   |
| Beam Angle                  | 111.5° |
| Spacing Criteria            | 1.30   |
|                             |        |



|   | (Candle Power) |       |        |  |  |  |
|---|----------------|-------|--------|--|--|--|
|   | Angle          | Along | Across |  |  |  |
| • | 0              | 3807  | 3807   |  |  |  |
|   | 5              | 385   | 3799   |  |  |  |
|   | 15             | 3679  | 3702   |  |  |  |
|   | 25             | 3443  | 3485   |  |  |  |
|   | 35             | 3096  | 3146   |  |  |  |
|   | 45             | 2944  | 2691   |  |  |  |
|   | 55             | 1968  | 2096   |  |  |  |
|   | 65             | 905   | 1266   |  |  |  |
|   | 75             | 444   | 528    |  |  |  |
|   | 85             | 0     | 35     |  |  |  |

| CCT Data N    | lultiplier |
|---------------|------------|
| XPL1B080U40GR | 0.952      |

| Cone of Light Tabulation |                            |                    |  |  |
|--------------------------|----------------------------|--------------------|--|--|
| Mounted height<br>(Feet) | Footcandles<br>Beam Center | Diameter<br>(Feet) |  |  |
| 8                        | 59.5                       | 10.3               |  |  |
| 10                       | 38.0                       | 12.9               |  |  |
| 12                       | 26.5                       | 13.4               |  |  |
| 14                       | 19.4                       | 18.1               |  |  |
| 16                       | 14.9                       | 20.5               |  |  |
| 18                       | 11.8                       | 23.2               |  |  |
| 20                       | 9.6                        | 25.8               |  |  |
|                          |                            |                    |  |  |

| Londin La | ilicii Julii | ······································ |
|-----------|--------------|--|
| Zone      | Lumens       | % of Luminaire                         |
| 0-30      | 2998         | 27.4%                                  |
| 0-40      | 4951         | 45.2%                                  |
| 0-60      | 9134         | 83.3%                                  |
| 0-90      | 10960        | 100.0%                                 |
| 90-180    | 0            | 0.0%                                   |
| 0-180     | 10960        | 100.0%                                 |
|           |              |  |

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

| Performance Data |        |       |             |
|------------------|--------|-------|-------------|
| Model Number     | Lumens | Watts | Lumens/Watt |
| XPL1B040U40GR    | 5216   | 40.9  | 131.2       |
| XPL1B040U50GR    | 5480   | 40.9  | 134.1       |
| XPL1B080U40GR    | 10433  | 79.3  | 131.6       |
| XPL1B080U50GR    | 10960  | 79.3  | 138.3       |



| Orde   | Ordering Information |                 |                  |                           |                    |           |                  |                      |                 |
|--------|----------------------|-----------------|------------------|---------------------------|--------------------|-----------|------------------|----------------------|-----------------|
| Series | Version              | Class/DIV       | Wattage          | Voltage                   | CCTs               | Finish    | Beam Angle       | Lens                 | Emergency       |
| XPL    | <b>1</b> (Version 1) | <b>B</b> (C1D2) | <b>040</b> (40W) | <b>U</b> (100-240/277VAC) | <b>40</b> (4000 K) | GR (Gray) | (120°)           | (Clear)              | (None)          |
|        |                      |                 | <b>080</b> (80W) | <b>H</b> (347-480V)*      | <b>50</b> (5000 K) |           | <b>06</b> (60°)* | <b>D</b> (Diffused)* | EM (Emergency*) |
|        |                      |                 |                  |                           |                    |           | T2 (Type II)*    |                      |                 |

<sup>\*</sup>Special order. Consult factory for availability.

#### Accessories

C1D1 Heavy Duty Dual Point Retention Kit C1D1 Drill Rig Kit Trunnion Mount Bracket C1D2 Standard Single Point Retention Kit C1D2 Heavy Duty Drill Rig Kit C1D2 Standard Drill Rig Kit Pipe Mount Kit (2.0" Diameter) Retention Bracket Retention Bracket, 2-Pack

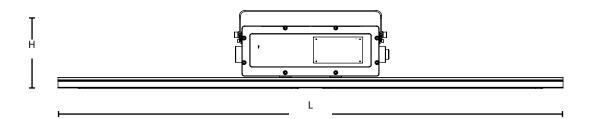
XPL1ARETENTIONKIT XPL1ARIGKIT XPL1BRACKET XPL1BRETENTIONKIT XPL1BRIGKIT-HD XPL1BRIGKIT-STD XPL1PIPEMOUNT20 XPL1RETENTIONMOUNT
XPL1RETENTIONMOUNT2P

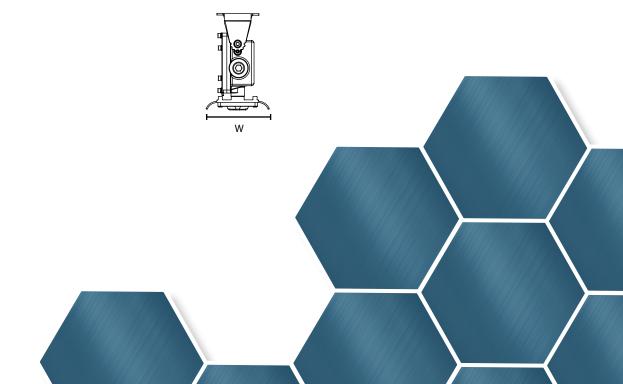
#### **Accessories** - Safety

3' Standard Safety Cable XP1SAFETYCABLE-3 3' Heavy Duty DS Safety Cable XP1DSCABLE-3

#### **Dimensions**

#### 40W 80W 23.6 in (600mm) Fixture Length (L) 47.2 in (1200mm) Fixture Width (W) 5 in (127 mm) 7.6 in (192 mm) Fixture Height (H) 7.6 in (192 mm)







# TITAN - XPQ

# Hazardous Location LED Flood Light

The Titan LED Luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambient temperature can be expected. For use in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC and IEC, Titan fixtures are available in 80W, 100W, and 150W in both C1D1 and C1D2 classes. The Titan is ideal for retrofit of existing HPS/MH and offers higher efficacy for increased energy savings, lower maintenance costs and shorter paybacks.

**Certifications:** UL 844 & CSA22.2; Class I Division 1 Group C, D; Class I Division 2 Group A, B, C, D; Class II Division 2 Group F, G; Class III; UL1598A Marine; IECEx Ex d IIB T6 Gb/ Ex tb IIIC T85°C Db

**Housing:** Copper-free, die-cast aluminum

**CCT:** 4000K, 5000K

Input Voltage: 100-240/277 VAC

Surge Protection: Philips SP1 10kA surge protector

**Operating temperature:** -40° to 140°F (-40°C to 60°C)

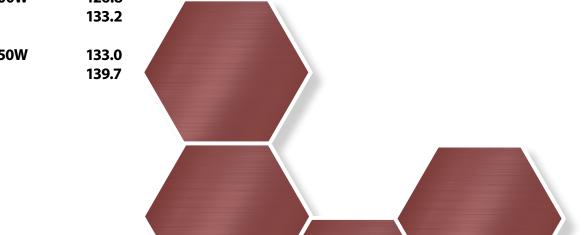
Installation: Easy installation with three available mounting options: Ceiling, Wall, and Floor

Access Ports: Two at 3/4" NPT

Finish: Gray polyester powder coat

FCC: Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions

|       |         | <b>A</b> | Lm/W  |
|-------|---------|----------|-------|
| 4000K | 9900Lm  | 80W      | 134.5 |
| 5000K | 10400Lm |          | 141.3 |
| 4000K | 12376Lm | 100W     | 126.8 |
| 5000K | 13000Lm |          | 133.2 |
| 4000K | 18564Lm | 150W     | 133.0 |
| 5000K | 19500Lm |          | 139.7 |
|       |         |          |       |

















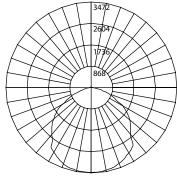


## **Titan** | Hazardous Location LED Flood Light

#### Photometric Data - Class: A (C1D1) & Class: B (C1D2)

#### **XPQ 80W 5000K**

Input Voltage (VAC) System Level Power (W) 73.6 120V Current (A) 0.613 277V Current (A) 0.266 Delivered Lumens (Lm) 10400 System Efficacy (Lm/W) 5023 Correlated Color Temp (K) 81 Color Rendering Index (CRI) >0.95 Power Factor <20% 105.8° Beam Angle 1.24 Spacing Criteria



|   | _     | Summary<br>Power) |
|---|-------|-------------------|
|   | Angle | Mean CP           |
| 4 | 0     | 3898              |
| \ | 5     | 3891              |
| 1 | 15    | 3796              |
| - | 25    | 3578              |
|   | 35    | 3271              |
| 7 | 45    | 2623              |
| 1 | 55    | 1891              |
|   | 65    | 1113              |
|   | 75    | 385               |
|   | 85    | 32                |

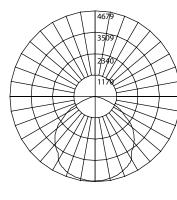
| <b>CCT Data Multiplie</b> |       |
|---------------------------|-------|
| XPQ1A080U40GR             | 0.952 |

| Cone of Light Tabulation |                            |                    |   |  |
|--------------------------|----------------------------|--------------------|---|--|
| Mounted height<br>(Feet) | Footcandles<br>Beam Center | Diameter<br>(Feet) |   |  |
| 8                        | 60.9                       | 10.5               | • |  |
| 10                       | 38.9                       | 13.1               |   |  |
| 12                       | 27.0                       | 15.2               |   |  |
| 14                       | 19.9                       | 18.3               |   |  |
| 16                       | 15.2                       | 21.0               |   |  |
| 18                       | 12.0                       | 23.5               |   |  |
| 20                       | 9.8                        | 26.3               |   |  |
|                          |                            |                    |   |  |

| Zonal Lumen Summary |        |                |  |
|---------------------|--------|----------------|--|
| Zone                | Lumens | % of Luminaire |  |
| 0-30                | 3092   | 29.7%          |  |
| 0-40                | 5123   | 49.3%          |  |
| 0-60                | 8811   | 84.7%          |  |
| 0-90                | 10377  | 99.8%          |  |
| 90-180              | 24     | 0.2%           |  |
| 0-180               | 10400  | 100.0%         |  |

#### **XPQ 100W 5000K**

| Input Voltage (VAC)         | 120    |
|-----------------------------|--------|
| System Level Power (W)      | 97.6   |
| 120V Current (A)            | 0.813  |
| 277V Current (A)            | 0.352  |
| Delivered Lumens (Lm)       | 13000  |
| System Efficacy (Lm/W)      | 133.2  |
| Correlated Color Temp (K)   | 5037   |
| Color Rendering Index (CRI) | 81     |
| Power Factor                | >0.95  |
| THD                         | <20%   |
| Beam Angle                  | 105.8° |
| Spacing Criteria            | 1.24   |
|                             |        |



|   |       | Summary<br>Power) |
|---|-------|-------------------|
|   | Angle | Mean CP           |
|   | 0     | 4990              |
|   | 5     | 4978              |
|   | 15    | 4854              |
| } | 25    | 4585              |
|   | 35    | 4046              |
|   | 45    | 3238              |
|   | 55    | 2335              |
|   | 65    | 1362              |
|   | 75    | 468               |
|   | 85    | 37                |
|   | 90    | 2                 |

| CCT Data Mu    | ltiplier |
|----------------|----------|
| VPO1A100LIA0GP | 0.052    |

|   | (Candle Power) |         |  |
|---|----------------|---------|--|
|   | Angle          | Mean CP |  |
|   | 0              | 4990    |  |
| \ | 5              | 4978    |  |
| 1 | 15             | 4854    |  |
| 4 | 25             | 4585    |  |
|   | 35             | 4046    |  |
| 7 | 45             | 3238    |  |
| • | 55             | 2335    |  |
|   | 65             | 1362    |  |
|   | 75             | 468     |  |
|   | 85             | 37      |  |
|   | 90             | 2       |  |
|   |                |         |  |

| CCT Data Mul  | tiplier |
|---------------|---------|
| XPQ1A100U40GR | 0.952   |

| Cone of Light Tabulation |   |                            |                    |  |  |
|--------------------------|---|----------------------------|--------------------|--|--|
| Mounted<br>(Fee          | _ | Footcandles<br>Beam Center | Diameter<br>(Feet) |  |  |
| 8                        |   | 78.0                       | 10.4               |  |  |
| 10                       |   | 49.9                       | 13.1               |  |  |
| 12                       |   | 34.6                       | 15.7               |  |  |
| 14                       |   | 25.4                       | 18.3               |  |  |
| 16                       |   | 19.5                       | 20.9               |  |  |
| 18                       |   | 15.4                       | 23.4               |  |  |
| 20                       |   | 12.5                       | 26.2               |  |  |
|                          |   |                            |                    |  |  |

| Zonai Lumen Summary |        |                |  |  |  |
|---------------------|--------|----------------|--|--|--|
| Zone                | Lumens | % of Luminaire |  |  |  |
| 0-30                | 3954   | 30.4%          |  |  |  |
| 0-40                | 6483   | 49.9%          |  |  |  |
| 0-60                | 11055  | 85.0%          |  |  |  |
| 0-90                | 12978  | 99.8%          |  |  |  |
| 90-180              | 22     | 0.2%           |  |  |  |
| 0-180               | 13000  | 100.0%         |  |  |  |
|                     |        |                |  |  |  |

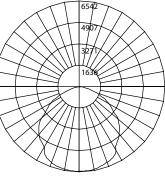
**Cone of Light Tabulation** 

Footcandles Beam Center

73.5 51.1 37.5 28.7

#### **XPQ 150W 5000K**

| -                           |        |
|-----------------------------|--------|
| Input Voltage (VAC)         | 120    |
| System Level Power (W)      | 139.6  |
| 120V Current (A)            | 1.163  |
| 277V Current (A)            | 0.504  |
| Delivered Lumens (Lm)       | 19500  |
| System Efficacy (Lm/W)      | 139.7  |
| Correlated Color Temp (K)   | 5041   |
| Color Rendering Index (CRI) | 81     |
| Power Factor                | >0.95  |
| THD                         | <20%   |
| Beam Angle                  | 107.7° |
| Spacing Criteria            | 1.26   |



| Intensity Summary<br>(Candle Power) |         |  |  |  |  |
|-------------------------------------|---------|--|--|--|--|
| Angle                               | Mean CP |  |  |  |  |
| 0                                   | 7352    |  |  |  |  |
| 5                                   | 7341    |  |  |  |  |
| 15                                  | 7171    |  |  |  |  |
| 25                                  | 6772    |  |  |  |  |
| 35                                  | 6000    |  |  |  |  |
| 45                                  | 4889    |  |  |  |  |
| 55                                  | 3520    |  |  |  |  |
| 65                                  | 2083    |  |  |  |  |
| 75                                  | 710     |  |  |  |  |
| 85                                  | 52      |  |  |  |  |
| 90                                  | 6       |  |  |  |  |
|                                     |         |  |  |  |  |

| CCT Data Mu    | ltiplier |
|----------------|----------|
| VPO1A150LIAGER | 0.052    |

|   | (Candle | Power)  |
|---|---------|---------|
|   | Angle   | Mean CP |
|   | 0       | 7352    |
|   | 5       | 7341    |
|   | 15      | 7171    |
| } | 25      | 6772    |
|   | 35      | 6000    |
|   | 45      | 4889    |
|   | 55      | 3520    |
|   | 65      | 2083    |
|   | 75      | 710     |
|   | 85      | 52      |
|   | 90      | 6       |
|   |         |         |

| Zonal Lumen Summary |        |                |  |  |  |
|---------------------|--------|----------------|--|--|--|
| Zone                | Lumens | % of Luminaire |  |  |  |
| 0-30                | 5843   | 30.0%          |  |  |  |
| 0-40                | 9607   | 49.3%          |  |  |  |
| 0-60                | 16564  | 84.9%          |  |  |  |
| 0-90                | 19457  | 99.8%          |  |  |  |
| 90-180              | 43     | 0.2%           |  |  |  |
| 0-180               | 19500  | 100.0%         |  |  |  |

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

## **Titan** | Hazardous Location LED Flood Light

#### Photometric Data - Class: A (C1D1) & Class: B (C1D2)

| Performance Data |        |       |             |  |  |
|------------------|--------|-------|-------------|--|--|
| Model Number     | Lumens | Watts | Lumens/Watt |  |  |
| XPQ1A080U40GR    | 9900   | 73.6  | 134.5       |  |  |
| XPQ1A080U50GR    | 10400  | 73.6  | 141.3       |  |  |
| XPQ1A100U40GR    | 12376  | 97.6  | 126.8       |  |  |
| XPQ1A100U50GR    | 13000  | 97.6  | 133.2       |  |  |
| XPQ1A150U40GR    | 18564  | 139.6 | 133.0       |  |  |
| XPQ1A150U50GR    | 19500  | 139.6 | 139.7       |  |  |

| Ordering Information |                      |                 |                   |                           |                    |           |                          |                  |                      |
|----------------------|----------------------|-----------------|-------------------|---------------------------|--------------------|-----------|--------------------------|------------------|----------------------|
| Series               | Version              | Class           | Wattage           | Voltage                   | CCTs               | Finish    | Mounting                 | Beam Angle       | Lens                 |
| XPQ                  | <b>1</b> (Version 1) | <b>A</b> (C1D1) | <b>080</b> (80W)  | <b>U</b> (100-240/277VAC) | <b>40</b> (4000 K) | GR (gray) | (U-Bracket)              | (120°)           | (Clear)              |
|                      |                      | <b>B</b> (C1D2) | <b>100</b> (100W) | <b>H</b> (347-480V)*      | <b>50</b> (5000 K) |           | <b>P</b> (Pendant Mount) | <b>25</b> (25°)* | <b>D</b> (Diffused)* |
|                      |                      |                 | <b>150</b> (150W) |                           |                    |           |                          | <b>60</b> (60°)* |                      |

<sup>\*</sup>Special order. Consult factory for availability.

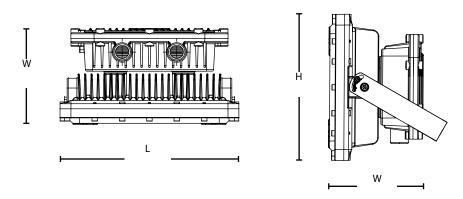
| Accessories            | Accessories sold separe |  |  |
|------------------------|-------------------------|--|--|
| Slipfitter, Black      | XPQ1SLIPFIT             |  |  |
| Slipfitter, Dusty Gray | XPQ1SLIPFITGR           |  |  |
| Visor                  | XPQ1VISOR               |  |  |
| Wire Guard             | XPQ1WG                  |  |  |

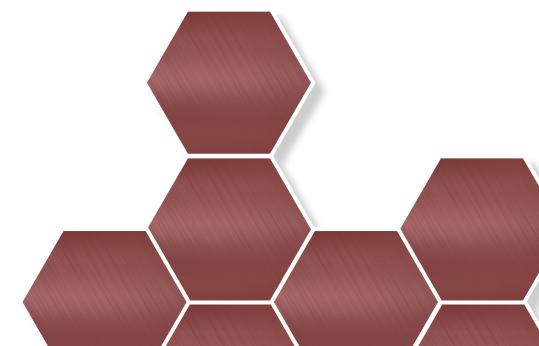
| <b>Accessories</b> - Safety   |              |  |
|-------------------------------|--------------|--|
| 3' Heavy Duty DS Safety Cable | XP1DSCABLE-3 |  |

#### **Dimensions**

#### 80/100/150

12.9 in (328 mm) Fixture Length (L) Fixture Width (W) 6.9 in (176 mm) Fixture Height (H) 10.7 in (271mm)





#### **Warehouse Locations**

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