# EHSL DUPLEX LED

## Hazardous-rated combined design LED flood light for challenging environments

**RIG·A·LITE™**
An Avail Infrastructure Solutions Company

## E-SERIES

### Cost-effective, energy-efficient lighting for demanding environments

The RIG-A-LITE E-Series provides economical lighting solutions for industrial and hazardous applications, offering reliable performance and durability.

### Classifications

- Class I, Division 2, Groups A, B, C, & D
- Class II, Divisions 1 & 2, Groups E, F & G
- Class III
- Class I, Zone 1, Group IIB
- Class I, Zone 2, Group IIC
- Zone 21, Zone 22
- UL 844 Hazardous Locations
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type

- UL 8750 LED Safety
- CSA C22.2 No. 137-M1981
- CSA C22.2 No. 250.0-08
- NEMA 4X
- IP67
- IK09
- 3G
- Tested to 1000 hrs salt spray to standard ASTM"B117-11"

c(UL)us LISTED

IP67

IK09

3G

5-YEAR WARRANTY

availinfra.com/rig-a-lite

8500 Hansen Road,
Houston, TX 77075
(713) 943-0340

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## Key Features

**1** High Output - Wattage ranges from 300-400W, lumen output from 64,000lm

**2** High Efficacy - Provides up to 160lm/W, reducing energy costs by up to 70% over conventional lamps

**3** Multiple Optics - 30°, 60°, 90°, 110°, T2, T3, T4 lenses provide more choices for various scenarios

**4** Built to Last - Copper-free aluminum housing and impact-resistant lens provides ingress protection

**5** Durable U-Bracket - Vibration & corrosion resistant u-shape rotates 360°, passes 5G 3-axis vibration test

## Additional Features

- Universal voltage: AC120-277, 347-480V (50/60Hz)
- High efficacy up to 160lm/W
- Optics: 30° / 60° / 90° / 110° / T2 / T3 / T4
- CCT Adjustable (3000K/4000K/5000K)
- 10kV surge protector is standard, 20kV optional
- Dimming: Standard 1-10VDC
- Ambient operating temperature -40°C to 60°C
- Lumen maintenance 150,000 @ L70
- 5-year warranty

## Standard Materials

**Body:**
Housing, heat sink, and adapter are die-cast aluminum with baked powder epoxy/polyester finish. Frame is combined with Stainless Steel

**Gaskets:**
High temperature resistant silicone

**Lens:**
Heat, shock, and impact resistant glass

**Hardware:**
Stainless Steel with lacquer-free nameplate

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## Catalog Number Logic

EHSL 48 - U - 2 - 30 - WW - TG - TB5 - GR - XX

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

### 1
**BASIC LUMINAIRE**
EHSL Duplex = N. American Standards

### 2
**LUMENS/WATTS**
48 = 48,000 lumens (300W)
64 = 64,000 lumens (400W)

### 3
**VOLTAGE**
U = 100-277V 50/60HZ
N = 347-480V 60HZ

### 4
**PROTECTION LEVEL**
2 = C1D2, C2D1

### 5
**OPTICS**
 30 = 30° Beam angle
 60 = 60° Beam angle
 90 = 90° Beam angle
110 = 110° Beam angle
 T2 = Type II
 T3 = Type III
 T4 = Type IV

### 6
**COLOR TEMPERATURE**
WW = 2700K (Warm white)
 SW = 3000K (Soft white)
NW = 4000K (Neutral white)
CW = 5000K (Cool white)
 AM = Amber
AJC = Adjustable CCT
          (3000K/4000K/5000K)

### 7
**LENS**
TG = Transparent Glass
FG = Frosted Glass

### 8
**MOUNTING STYLE**
TB5 = Angled bracket (3/4" NPT)
TB6 = Straight bracket (3/4" NPT)

### 9
**COLOR**
GR = Gray

### 10
**OPTIONS**
 WGS1 = Wire guard
    SC1 = Safety cable
    VS1 = Dark sky visor
 SP10U = 10KV surge protector
              (100-277V)   * Standard
 SP10N = 10KV surge protector
              (347-480V)   * Standard
 SP20U = 20KV surge protector (100-277V)
 SP20N = 20KV surge protector (347-480V)
 PBC60 = Pipe clamp (M8*60mm)
              for pole 2-3/8" (60mm)
    CAB = 3' SEOOW-18/3 Cord
    CGL = Cable gland 3/4" NPT
       PS = Pole stanchion 2-3/8" (60mm)

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## Certification Guide

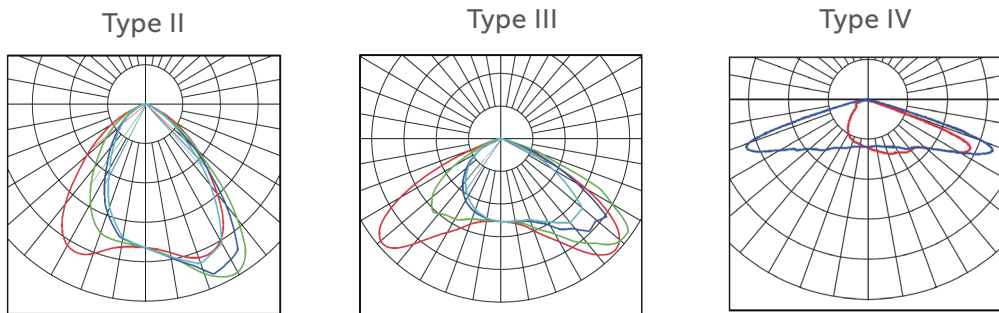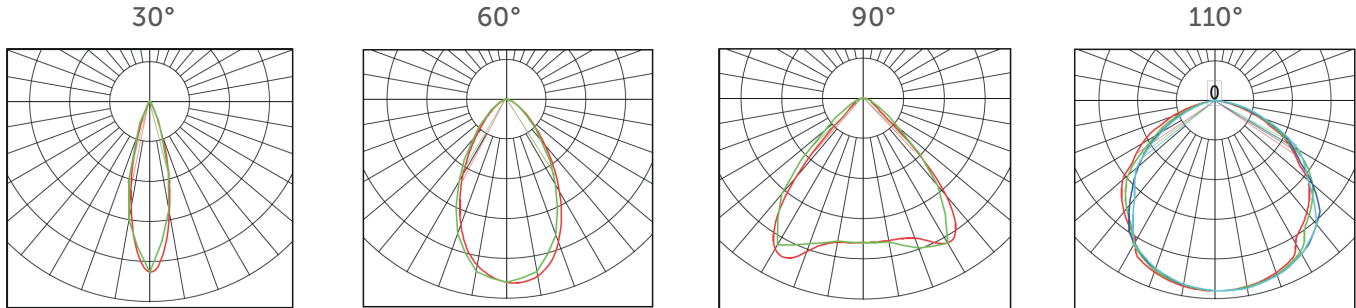| Model | Watts | Operating Voltage | Total Lumens[1] | Lumens per Watt[1] | CRI[1] | CCT[1] | Ambient Temperature[1,2] | Class I, Div. 1, Group C & D | Class I, Div. 2, Group A, B, C & D | Class II, Div. 1, Group E, F, G, Class III | Supply Wire Suitable Temperature, °C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **EHSL48 (TWIN)** | 300W | 100-277V 50/60HZ, 347V / 480V 60HZ | 48000 | 160.0 | 70 | 5000K | -40°C < Tamb < 60°C | T6 | T4A | T4 | 90°C |
| **EHSL64 (TWIN)** | 400W | 100-277V 50/60HZ, 347V / 480V 60HZ | 64000 | 160.0 | 70 | 5000K | -40°C < Tamb < 60°C | T6 | T4A | T4 | 90°C |

*1. When FG or optics options are selected, total lumens, lumens per watt, CRI, CCT or ambient temperature may change. Consult factory for values.*

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## Photometric Data



30° 60° 90° 110°



Type II Type III Type IV

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## Mounting Options

### Trunnion Bracket (Angled):  TB5 - 3/4" NPT



| Fixture | Weight |
|---------|--------|
| EHSL48 (TWIN) | 52.91 lbs. |
| EHSL64 (TWIN) | 52.91 lbs. |

### Trunnion Bracket (Straight):  TB6 - 3/4" NPT



| Fixture | Weight |
|---------|--------|
| EHSL48 (TWIN) | 64.37 lbs. |
| EHSL64 (TWIN) | 62.37 lbs. |

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## Accessories

| | Catalog No. | Size (in.) | Shipping Weight (lbs.) |
|---|---|---|---|
| **Trunnion Bracket (Angled)** | TB5 | 16.15" x 15.33" x 8.59" | 9.26 lbs. |
| **Trunnion Bracket (Straight)** | TB6 | 16.15" x 15.17" x 3.94" | 8.38 lbs. |
| **Stainless Steel Wire Guard** | WGS1 | 12.21" x 9.06" x 0.24" | 0.37 lbs. |
| **Stainless Steel Safety Cable** | SC1 | 39.4" | 0.29 lbs. |
| **Stainless Steel Dark Sky Visor** | VS1 | 12.53" x 9.38" x 4.33" | 1.20 lbs. |
| **Pipe Clamp for 2-3/8" Pole** | PBC60 | 0.32" x 2.36" | 0.44 lbs. |
| **Pole Stanchion** | PS | 2.36" | 5.51 lbs. |

| | Catalog No. | Size (in.) | Shipping Weight (lbs.) |
|---|---|---|---|
| **3' SEOOW-18/3 Cord** | CAB | 39.4" | 0.21 lbs. |
| **Cable Gland** | CGL | 1.46" x 1.73" | 0.06 lbs. |
| **10KV Surge Protector** | SP10U 10KV (100-277V) | 4.18" x 0.91" x 0.51" Without Wire | 0.09 lbs. |
| **\* Standard** | SP10N 10KV (347-480V) | 4.33" x 0.99" x 0.71" Without Wire | 0.11 lbs. |
| **20KV Surge Protector** | SP20U 20KV (100-277V) | 4.41" x 1.1" x 0.59" Without Wire | 0.12 lbs. |
| | SP20N 20KV (347-480V) | 4.33" x 1.18" x 0.71" Without Wire | 0.15 lbs. |

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