

EHSL DUPLEX LED

Explosion proof combined-design LED flood light for hazardous-rated 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
- Simultaneous Presence
- 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"



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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 (Flood light)

TB6 = Straight bracket (EHSL Bay light)

9

COLOR

GR = Gray

10

OPTIONS

WGS1 = Wire guard for EHSL/EHSL Duplex

SC1 = Safety cable 8 (4mm)

VS1 = Dark sky visor for
EHSL/EHSL Duplex

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

GCL = 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

