

EHRL LED

Explosion proof LED high-bay lighting
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, Division 1, Groups E, F & G
- Class III
- 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
- 5G
- Resistant up to 2000 PSI of hose directed water
- Tested to 1000 hrs salt spray to standard ASTM"B117-11"



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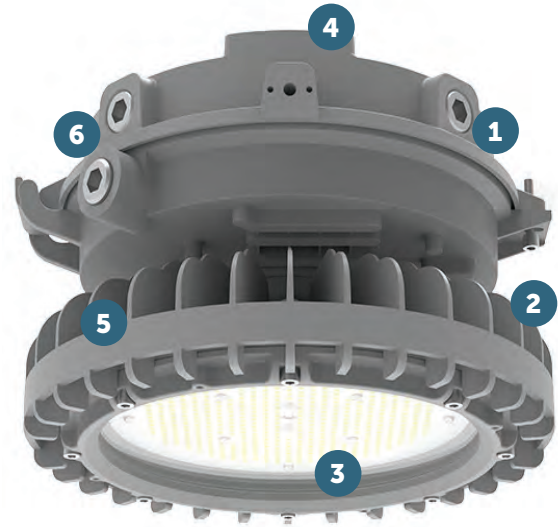
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Key Features

- 1 Easy Installation - Single barrel nut and hinge design, one-hand operation for quick and easy installation
- 2 Low Profile - 196mm in height with maximum 34,000 lumen output fits perfectly in confined areas
- 3 High Efficacy - Lumen efficacy up to 170lm/W, reducing energy costs by up to 75% over conventional
- 4 Retrofit Friendly - Universal mounting accessories minimize the SKUs and maximize the flexibility
- 5 Built to Last - Copper-free aluminum and impact resistant lens provide ingress protection
- 6 Expandability - Sensor can be attached on the light to realize the intelligent application



Additional Features

- Universal voltage: AC120-277, 347-480V (50/60Hz)
- Optional self-testing emergency battery backup
- High efficacy up to 170lm/W
- Optics: T1 / T3 / 110° beam angle
- CCT Adjustable (3000K/4000K/5000K)
- Wildlife-friendly amber color options
- 10kV surge protector is standard, 20kV optional
- Dimming: Standard 1-10VDC
- Ambient operating temperature -40°C to 65°C (standard model); 0°C to 50°C (emergency battery backup model)
- Lumen maintenance 150,000 @ L70
- 5-year warranty

Standard Materials

Body:

Housing, splice box, and adapter are die-cast copper-free aluminum with baked powder epoxy/polyester finish

Gaskets:

High temperature resistant silicone

Lens:

Heat, shock, and impact resistant glass or polycarbonate

Hardware:

Stainless Steel

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Catalog Number Logic

EHRL 07 - U - 2 - T1 - WW - TG - TB3 - GR - XX

1 2 3 4 5 6 7 8 9 10

1

BASIC LUMINAIRE

EHRL = N. American Standards

2

LUMENS/WATTS

07 = 6,800 Lumens / 40 Watts
10 = 10,200 Lumens / 60 Watts
14 = 13,600 Lumens / 80 Watts
17 = 17,000 Lumens / 110 Watts
26 = 25,500 Lumens / 150 Watts
34 = 32,000 Lumens / 200 Watts

3

VOLTAGE

U = 100-277V 50/60HZ
N = 347-480V 60HZ

4

PROTECTION LEVEL

2 = C1D2, C2D1
0 = Not Hazardous

5

OPTICS

110 = 110° Beam Angle
T1 = Type I
T3 = Type III

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)

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LENS

TG = Transparent Glass
FG = Frosted Glass
DFG = Frosted Drop Lens
TPL = Transparent Polycarbonate
FPL = Frosted Polycarbonate

8

MOUNTING STYLE

PD = Pendant mount (3/4" NPT)
PD2 = Pendant mount 1" NPT
TB3 = Trunnion bracket
FLM = Flush ceiling/wall mount
W90 = Wall mount 90°
W25 = Wall mount 25°
S90A = Stanchion-90° (1-1/4" NPT)
S90B = Stanchion-90° (1-1/2" NPT)
S25A = Stanchion-25° (1-1/4" NPT)
S25B = Stanchion-25° (1-1/2" NPT)

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COLOR

GR = Gray

10

OPTIONS

EMB = Emergency battery backup
(0°C ≤ Ta ≤ 50°C)
WGR1 = Wire guard for flat glass
WGR2 = Wire guard for drop lens
SC1 = Safety cable 8 (4mm)
VRL25 = Dark sky bolt-on visor 25°
VRL90 = Dark sky bolt-on visor 90°
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)
PBC48 = Pipe clamp (M8*48mm) for pole
1-7/8" (48mm) diameter
PBC60 = Pipe clamp (M8*60mm)
for pole 2-3/8" (60mm) diameter
CAB = 3' SEOWW-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	Class I, Div. 2, Group A, B, C & D	Class II, Div. 1, Group E, F, G, Class III	Supply Wire Suitable Temperature, °C
EHRL07	40W	100-277V 50/60HZ	6800	170.0	70	5000K	-40°C < Tamb < 65°C	T4A	T4A	90°C
EHRL10	60W	100-277V 50/60HZ	10200	170.0	70	5000K	-40°C < Tamb < 65°C	T4A	T4A	90°C
EHRL14	80W	100-277V 50/60HZ, 347/480V 60HZ	13600	170.0	70	5000K	-40°C < Tamb < 65°C	T4A	T4A	90°C
EHRL17	100W	100-277V 50/60HZ, 347/480V 60HZ	17000	170.0	70	5000K	-40°C < Tamb < 65°C	T4A	T4A	90°C
EHRL26	150W	100-277V 50/60HZ, 347/480V 60HZ	25500	170.0	70	5000K	-40°C < Tamb < 65°C	T4A	T4A	90°C
EHRL34	200W	100-277V 50/60HZ, 347/480V 60HZ	32000	160.0	70	5000K	-40°C < Tamb < 60°C	T4	T4A	90°C

* Ambient temperature of all EMB option models is 0°C < Tamb < 50°C.

1. When frosted lenses 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

