# EST LED

LED high temperature high-bay lighting for harsh locations



# 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

- CE
- UL 1598 Wet Locations
- UL 8750 LED Safety
- NEMA 4X
- IP67
- IK09
- 3G
- Resistant up to 2,000 PSI hose directed water
- Tested to 1000 hrs salt spray to standard ASTM"B117-11"





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### **Key Features**

- 1 Industry-Leading Themal Management Designed to perform in high ambient temperatures up to 90°C
- 2 Low Profile Designed for low mounting heights and confined spaces
- **3** High Efficiency LED Delivers up to 160lm/W, reducing energy costs by up to 75% over conventional lamps
- **4** Modular Design Provides three models with light output ranging from 16,000 lumens up to 72,000 lumens
- 5 Built to Last Impact-resistant glass lens is vibration, impact, and shock resistant



#### **Additional Features**

- Input voltage AC 120V, 220V, 277V
- High efficacy up to 170lm/W
- Ambient temperature -40°C to 90°C
- Lumen maintenance 150,000 hours @ L70
- Limited system warranty: 20,000 hrs @ 90°C (2 years) 30,000 hrs @ 80°C (3 years) 50,000 hrs @ 70°C (5 years)

#### **Standard Materials**

#### Body:

Body is die-cast aluminum with baked powder epoxy/polyester finish

#### Gaskets: High temperature resistant silicone

Lens: Vibration, shock, and impact resistant glass

Hardware: Stainless Steel



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### **Catalog Number Logic**

2

3

**1** BASIC LUMINAIRE EST = N. American Standards

### 2

ES

1

LUMENS/WATTS 16 = 16,000 Lumens / 100 Watts 24 = 24,000 Lumens / 150 Watts 32 = 32,000 Lumens / 200 Watts 48 = 48,000 Lumens / 300 Watts

72 = 72,000 Lumens / 450 Watts

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3 VOLTAGE

#### U1 = 120V

U2 = 220V U3 = 277V **4** OPTICS 110 = 110° Beam Angle

5

16 - U1 - 110 - WW - TG -

4

#### 5 COLOR TEMPERATURE

WW = 2700K (Warm white) SW = 3000K (Soft white) NW = 4000K (Neutral white) CW = 5000K (Cool white)

### 6

**LENS** TG = Transparent Glass

#### 7 MOUNTING STYLE

HR -

BI

8

HR = Hanging ring HE = Malleable hook TB4 = U-bracket

#### 8

6

COLOR

BL = Black

#### 9

**OPTIONS** SC1 = Safety cable 8 (4mm) TJB = Twin-mount junction box



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## **Certification Guide**

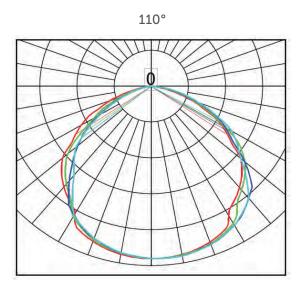
Model	Modules	Watts	Operating Voltage	Total Lumens	Lumens per Watt	CRI	сст	Ambient Temperature	Supply Wire Suitable Temperature, °C	Weight (lbs)
EST16	1	100W	120V / 220V / 277V 50/60HZ	16000	160.0	70	5000K	-40°C < Tamb < 90°C	90°C	12.13
EST24	1	150W	120V / 220V / 277V 50/60HZ	24000	160.0	70	5000K	-40°C < Tamb < 90°C	90°C	12.13
EST32	2	200W	120V / 220V / 277V 50/60HZ	32000	160.0	70	5000K	-40°C < Tamb < 90°C	90°C	22.05
EST48	2	300W	120V / 220V / 277V 50/60HZ	48000	160.0	70	5000K	-40°C < Tamb < 90°C	90°C	22.05
EST72	3	450W	120V / 220V / 277V 50/60HZ	72000	160.0	70	5000K	-40°C < Tamb < 90°C	90°C	34.06

\* Product design and specifications subject to change without notice. Consult factory for values.



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### **Photometric Data**





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