

# ESM LED

Modular LED stadium flood light  
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
- IK08



[availinfra.com/rig-a-lite](http://availinfra.com/rig-a-lite)

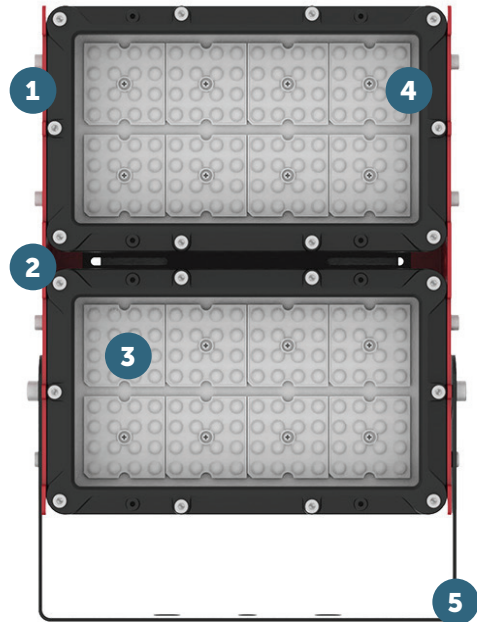
8500 Hansen Road  
Houston, TX 77075  
(713) 943-0340

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## Modular LED stadium flood light for harsh locations

### Key Features

- 1 Built to Last** - Highly durable aluminum housing is corrosion-resistant
- 2 Modular Design** - Provides four models with light output ranging from 16,000 lumens up to 96,000 lumens
- 3 Glass Lens** - Passed IK08, tempered glass is resistant to vibration, impact, and shock
- 4 Multiple Optics** - Different lenses provide more choices for various scenarios: 35°, 60°, 90°, 110°, T2, T3, T4
- 5 Adjustable U-Bracket**- Allows an easy alignment of the floodlight



### Additional Features

- Universal voltage: AC120-277-480V (50/60Hz)
- High efficacy up to 170lm/W, up to 32,000lm
- 7 different optics: 30° / 60° / 90° / 110° / T2 / T3 / T4
- CCT Adjustable (3000K / 4000K / 5000K)
- Wildlife-friendly amber color options
- Ambient temperature -40°C to 50°C
- Lumen maintenance L70 > 150,000 hours @ 25°C

### Standard Materials

**Body:**

Housing is die-cast copper-free 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



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

**2**  
**LUMENS/WATTS**  
15 = 15,000 Lumens / 100 Watts  
23 = 22,500 Lumens / 150 Watts  
30 = 30,000 Lumens / 200 Watts  
45 = 45,000 Lumens / 300 Watts  
60 = 60,000 Lumens / 400 Watts  
90 = 90,000 Lumens / 600 Watts

**3**  
**VOLTAGE**  
U = 100-277V  
N = 347-480V

**4**  
**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

**5**  
**COLOR TEMPERATURE**  
WW = 2700K (Warm white)  
SW = 3000K (Soft white)  
NW = 4000K (Neutral white)  
CW = 5000K (Cool white)  
AM = Amber

**6**  
**LENS**  
TG = Transparent Glass  
FG = Frosted Glass

**7**  
**MOUNTING STYLE**  
UBH = U-bracket

**8**  
**COLOR**  
GR = Gray  
BL = Black

**9**  
**OPTIONS**  
SC1 = Safety cable  
HR = Hanging ring  
HE = Hanging malleable hook  
LDC = LED driver cover

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### Certification Guide

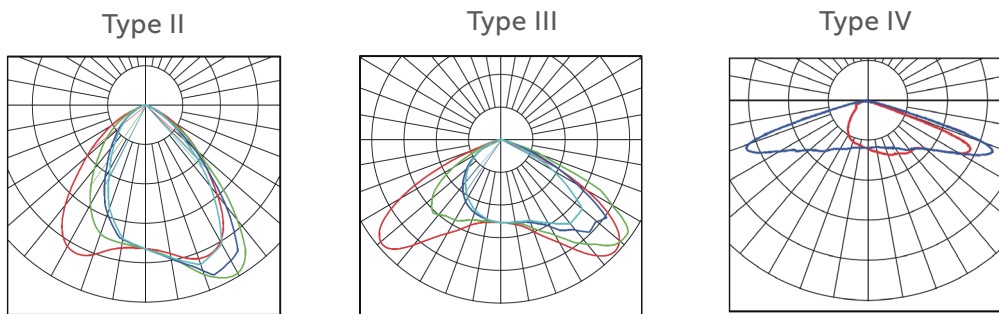
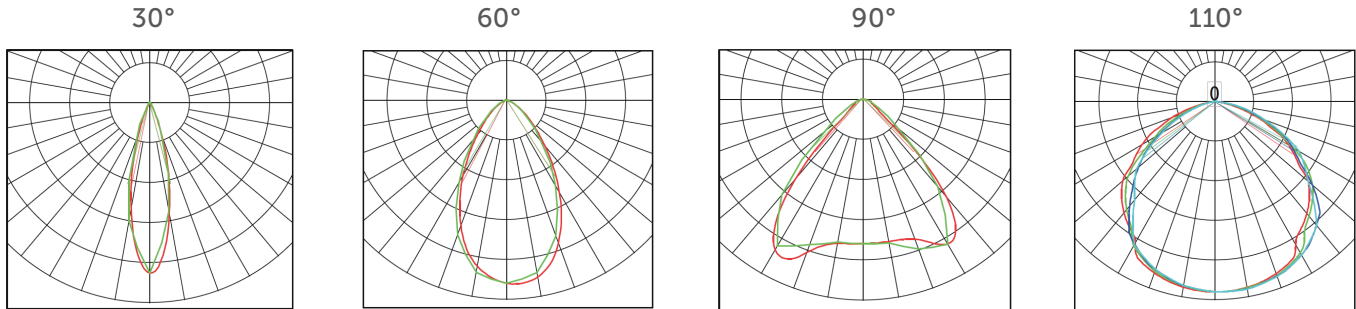
Model	Modules	Watts	Operating Voltage	Total Lumens <sup>1</sup>	Lumens per Watt <sup>1</sup>	CRI <sup>1</sup>	CCT <sup>1</sup>	Ambient Temperature <sup>1</sup>	Supply Wire Suitable Temperature, °C	Weight (lbs)
ESM15	1	100W	100-277V 50/60HZ, 347V / 480V 60HZ	15000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	8.5
ESM23	2	150W	100-277V 50/60HZ, 347V / 480V 60HZ	22500	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	13.2
ESM30	2	200W	100-277V 50/60HZ, 347V / 480V 60HZ	30000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	13.2
ESM45	3	300W	100-277V 50/60HZ, 347V / 480V 60HZ	45000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	20.5
ESM60	4	400W	100-277V 50/60HZ, 347V / 480V 60HZ	60000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	20.5
ESM90	6	600W	100-277V 50/60HZ, 347V / 480V 60HZ	90000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	40.0

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

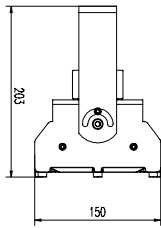
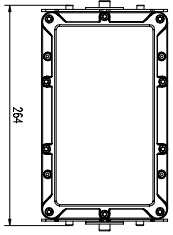


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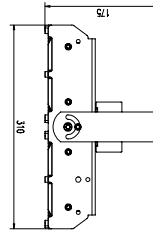
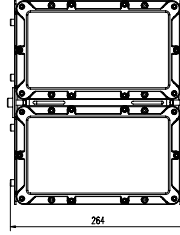
### Fixture Dimensions (millimeters)

#### 1 Module



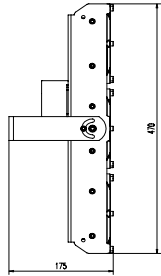
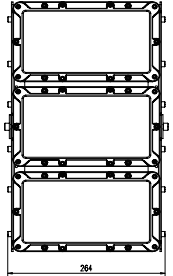
Fixture	Weight
ESM16	8.16 lbs.

#### 2 Modules



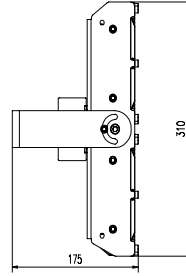
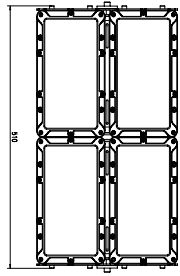
Fixture	Weight
ESM24	13.23 lbs.
ESM32	13.23 lbs.

#### 3 Modules



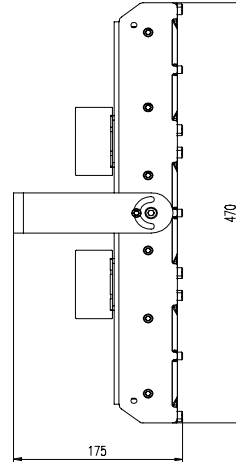
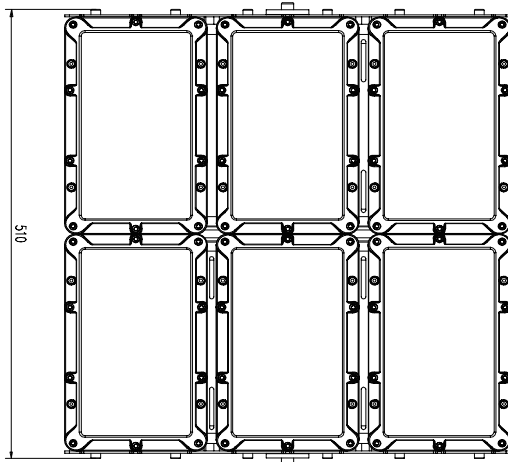
Fixture	Weight
ESM48	20.5 lbs.

#### 4 Modules



Fixture	Weight
ESM64	26.46 lbs.

#### 6 Modules




Fixture	Weight
ESM96	39.68 lbs.

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### Accessories

	Catalog No.	Size (in.)	Shipping Weight (lbs.)
<b>Hanging Ring</b> 	HR	2.68" x 1.89" x 1.02"	0.28 lbs.
<b>Hanging Malleable Hook</b> 	HE	4.06" x 2.13" x 0.99"	0.32 lbs.
<b>Stainless Steel Safety Cable</b> 	SC1	39.4"	0.29 lbs.



An Avail Infrastructure Solutions Company

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