

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
- 3G



availinfra.com/rig-a-lite

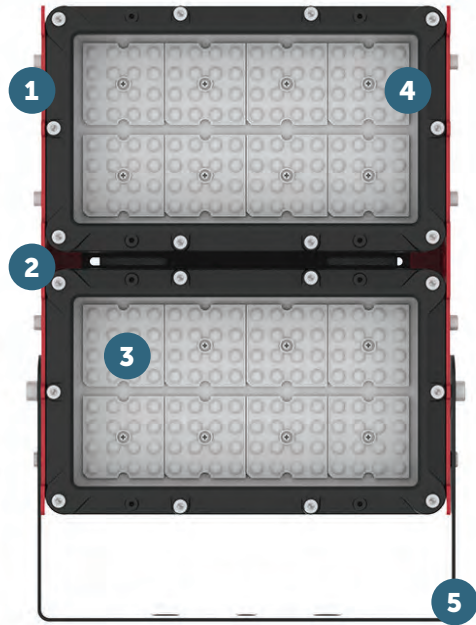
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Key Features

- 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 150,000 hours @ L70

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

ESM 16 - U - 35 - WW - TG - UB - BL - XX

1 2 3 4 5 6 7 8 9

1

BASIC LUMINAIRE

ESM = N. American Standards

2

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
64 = 64,000 Lumens / 400 Watts
96 = 96,000 Lumens / 600 Watts

3

VOLTAGE

U = 100-277V
N = 347-480V

4

OPTICS

35 = 35° 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

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MOUNTING STYLE

UB = U-bracket

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COLOR

GR = Gray
BL = Black

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OPTIONS

SC1 = Safety cable 8 (4mm)

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Certification Guide

Model	Modules	Watts	Operating Voltage	Total Lumens ¹	Lumens per Watt ¹	CRI ¹	CCT ¹	Ambient Temperature ¹	Supply Wire Suitable Temperature, °C	Weight (lbs)
ESM16	1	100W	100-277V 50/60HZ, 347V / 480V 60HZ	16000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	8.5
ESM24	2	150W	100-277V 50/60HZ, 347V / 480V 60HZ	24000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	13.2
ESM32	2	200W	100-277V 50/60HZ, 347V / 480V 60HZ	32000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	13.2
ESM48	3	300W	100-277V 50/60HZ, 347V / 480V 60HZ	48000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	20.5
ESM64	4	400W	100-277V 50/60HZ, 347V / 480V 60HZ	64000	160.0	70	5000K	-40°C < Tamb < 50°C	90°C	20.5
ESM96	6	600W	100-277V 50/60HZ, 347V / 480V 60HZ	96000	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

