

Industrial and Hazardous Location LED Lighting

IR4 Explosion-Proof Linear LED

2 ft and 4 ft configurations for Class I Division 1 hazardous locations.



IR4 4 ft, 2-lamp fixture

Documented Classification

- Class I, Division 1 - Groups C and D
- Class II, Division 1 and 2 - Groups E, F and G

Construction and Mounting

Extruded aluminum housing with clear glass lamp enclosures. End mounting brackets are supplied as standard.

The fixture may be surface mounted or suspended.

Electrical

- 120-277 V multi-volt LED drivers
- 347 V and 480 V driver options documented
- Automatic-resetting electronic drivers



Procurement documentation

Buy American Act information is available for IR4-4-2-LED-UNV. Confirm project-specific eligibility and request current supporting documentation with the quote.

Typical Applications

- Solvent and cleaning areas
- Paint spray booths
- Oil and gas drilling
- Aircraft maintenance
- Chemical manufacturing
- Waste treatment plants
- Oil and gas refining
- Hazardous process areas

Select fixture length, lumen package and color temperature for the project. Confirm the exact catalog number and operating-temperature requirement before approval or purchase.

Explosion-Proof Linear LED

IR4 Models and Specifications

Class I Division 1

Configuration, output and physical data

Documented Configurations

Length	Documented Model	Wattage	Lumen Options	CCT	Dimensions / Weight
2 ft	Confirm at quote	40 W	5,000 or 10,000 lm	4000 K or 5000 K	27.5 x 11.25 x 8.5 in 55 lb
4 ft	IR4-4-2-LED-UNV	80 W	10,000 or 13,000 lm	4000 K or 5000 K	52 x 11.25 x 8.5 in 65 lb

Contact Maes Lighting for the complete 2 ft catalog number and project-specific ordering options.



IR4 LED array strip

Array Construction

The documented 4 ft fixture uses two 40 W LED array strips, one strip per clear glass lamp enclosure.

Emergency backup is ordered with **EM** at the end of the part number.

INPUT VOLTAGE 120-277 V 347 V / 480 V options	LIGHT SPREAD 120 degrees	CRI 80
RATED LIFE More than 100,000 hours	MOUNTING Surface or suspended	OPERATING TEMPERATURE Confirm at quote*

*Confirm the operating-temperature range for the exact configuration on the current project submittal.

Documented Listings

UL 595 Outdoor Marine Type (salt water), UL 844, UL 924, UL 1598 Marine Type and C-UL Canada approved.

Accessories

Wire guard, safety cable and shock mount.

Warranty

Five years from delivery date against manufacturing defects.

Product Details

IR4 Physical Product Views

Fixture, lamp-enclosure and mounting details from multiple product views.



Long-axis view - lamp enclosures and cast end caps



Side view - housing and mounting hardware



End view - bracket, end caps and wiring leads

Configuration Note

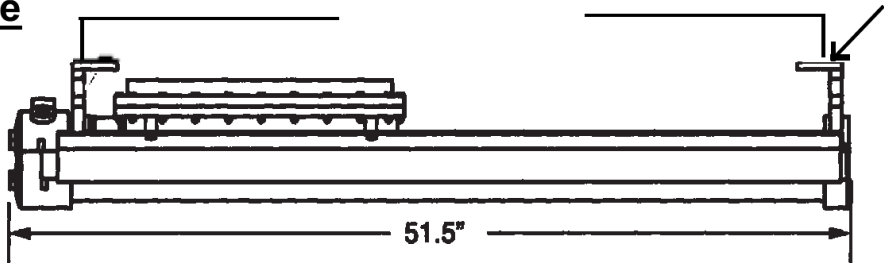
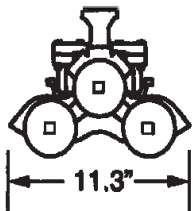
Use these views to review the housing, lamp enclosures and mounting arrangement. Confirm the exact ordered configuration with the project submittal.

Physical Reference

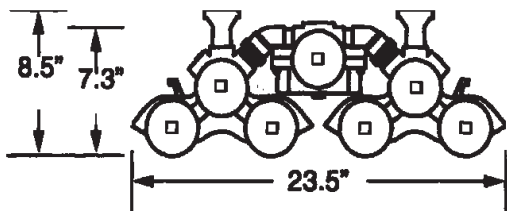
IR4 Dimensions and Drawings

Two-lamp and four-lamp drawings with a searchable dimensional table.

2-lamp fixture



4-lamp fixture



NOMINAL LENGTH	LENGTH INCHES	WIDTH	HEIGHT	WEIGHT
2 FOOT 2 TUBE	27.5	11.25	8.5	55
4 FOOT 2TUBE	52	11.25	8.5	65
4 FOOT 4 TUBE	52.5	24	9.5	120

Two-lamp profile, side elevation and four-lamp profile

Documented Physical Dimensions

Configuration	Length	Width	Height	Weight
2 ft / 2-tube	27.5 in	11.25 in	8.5 in	55 lb
4 ft / 2-tube	52 in	11.25 in	8.5 in	65 lb
4 ft / 4-tube	52.5 in	24 in	9.5 in	120 lb

Dimensional Selection

Use the tabulated dimensions for preliminary layout and confirm final dimensions and mounting clearances on the project submittal.

4-Lamp Scope

A physical outline is provided for the four-lamp configuration. Contact Maes Lighting for its catalog number, wattage and lumen package.

Use the manufacturer's current project submittal as the controlling document for final dimensions, catalog numbers, compliance and operating conditions.