

Industrial and Hazardous Location LED Lighting

IR1 Non-Metallic Hazardous-Location Linear LED

4 ft, two-strip fixture for Class I and Class II Division 2 applications.



IR1 complete fixture and housing

MODEL IR1-4-2-LED-UNV*	POWER 80 W total	OUTPUT 10,000 lm	CCT 4000 K or 5000 K
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Documented Classification

- Class I, Division 2 - Groups A, B, C and D
- Class II, Division 2 - Groups F and G

Construction

- Glass-reinforced polyester housing
- Poured-in-place gasket
- Stainless-steel locking latches
- High-impact acrylic diffuser

Typical Applications

- Marine wet and damp locations
- Solvent storage and petrochemical facilities
- Coal plants and waste treatment plants
- Food-processing areas



Procurement documentation

Buy American Act information is available for the documented IR1 model. Confirm project-specific eligibility and request current supporting documentation with the quote.

Confirm the complete model number, listings and project options on the current submittal before release.

IR1 Non-Metallic Hazardous-Location Linear LED

Configuration and Decision Support

Four-foot, two-strip performance and selection data.

Model*	Format	Power	Output	CCT
IR1-4-2-LED-UNV	4 ft / 2 strips	80 W	10,000 lm	4000 K or 5000 K

The documented 4 ft configuration provides 80 W and 10,000 lm with 4000 K or 5000 K selection.



IR1 four-foot fixture



One 40 W / 5,000 lm LED strip



Full-fixture view

2
LED array strips

40 W
per strip

5,000 lm
per strip

Two documented strips produce the 80 W and 10,000 lm fixture totals.

Documented Listings

- UL 1598-A Outdoor Marine Rated (salt water)
- UL 844 - Class I Division 2, Groups A-D
- UL 844 - Class II Division 2, Groups F-G
- Meets Coast Guard Specifications

Mounting and Options

- Surface mounted or suspended
- Surface-mounting brackets standard
- Add **-EM** for emergency backup

Warranty

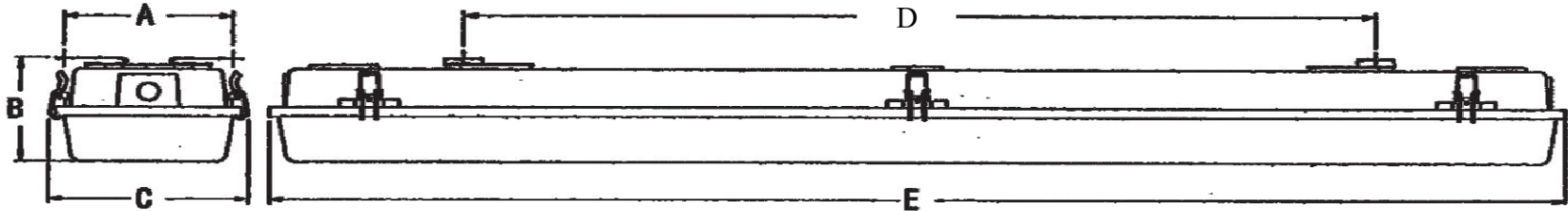
Five years from delivery against manufacturing defects.

Contact Maes Lighting to confirm input voltage, CRI, beam angle, ingress rating, operating-temperature range and weight for the selected configuration.

IR1 Physical Reference

Dimensions and Installation Reference

Overall dimensions with searchable A-E drawing references.



IR1 front and side dimensional reference

Overall Fixture Dimensions

LENGTH 52 in	WIDTH 7 5/8 in	HEIGHT 5 1/4 in
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Drawing References

A	B	C	D	E
6 3/4 in	5 1/4 in	7 5/8 in	36 9/16 in	52 in

Installation

Surface or suspended mounting is available, with surface-mounting brackets supplied as standard.

Configuration Review

Confirm the complete model identifier, emergency option, listings and electrical requirements on the current project submittal before release.

Use the current project submittal as the controlling document for final catalog number, compliance, electrical data and installation approval.