

INDUSTRIAL HIGH-TEMPERATURE LED LIGHTING

RT-IL High-Temperature LED Light, 100°C (212°F) Rated

Modular Design

Self-contained high-temperature LED flood and high bay fixture for demanding industrial environments.

Product overview

Designed for harsh industrial environments where ordinary fixtures fail.

Withstands continuous high ambient temperatures while supporting reliable illumination in foundries, factories, paper mills, refineries, and other hot process areas.

Primary features

- High-temperature internal drivers for a self-contained fixture
- Heat-resistant components and finned heat sink
- Anti-glare lens for improved worker comfort



100°C / 212°F rated
High ambient temperature operation

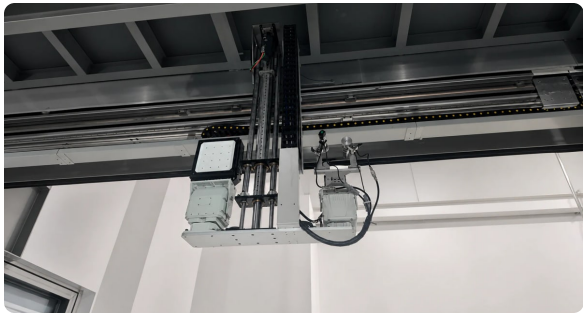


cETLus Listed
Intertek listing mark



IP67 protection
Water and dust protection

High-temperature project context



High-temperature application examples. Confirm the fixture family, ambient rating and driver arrangement for the project.

Features, Thermal Management, and Compliance

Product construction, thermal-management features, and referenced compliance standards.

- 01

Self-contained design
High-temperature internal drivers are housed with the fixture.
- 02

Heat-resistant components
Components are selected for continuous high-temperature operation.
- 03

Finned heat sink
Increased surface area supports heat dissipation.
- 04

Anti-glare lens
Reduces glare and improves worker comfort.
- 05

IP67 protection
Water and dust protection for industrial environments.
- 06

cETLus Listed
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Thermal-management concept. The overlay is explanatory; technical ratings remain in searchable text and tables.



cETLus Listed - Intertek



IP67 protection

Referenced standards	
UL 844	UL 1598
UL 8750	IEC 60079
EN 60079	CSA C22.2 No. 250.0

Compliance references shown for this RT high-temperature product family: cETLus Listed, IP67, and the standards listed above.

SECURE CEILING OR WALL STRUCTURE

ADJUSTABLE AIMING

INSTALLATION CHECKS

- ✓ Use a structure rated for the selected fixture.
- ✓ Keep the heat-sink airflow path unobstructed.
- ✓ Route supply cable away from direct heat sources.
- ✓ Verify model-specific mounting and electrical details.

Typical installation concept. Use a structure rated for the selected fixture, keep the heat-sink airflow path clear, route the supply cable away from direct heat sources, and verify model-specific mounting and electrical requirements.

Performance and Dimensions

Documented Modular configurations from 50 W through 500 W.

AMBIENT RATING
Up to 100°C / 212°F

CONFIGURATION RANGE
50 W to 500 W

VARIANT
Modular light engine

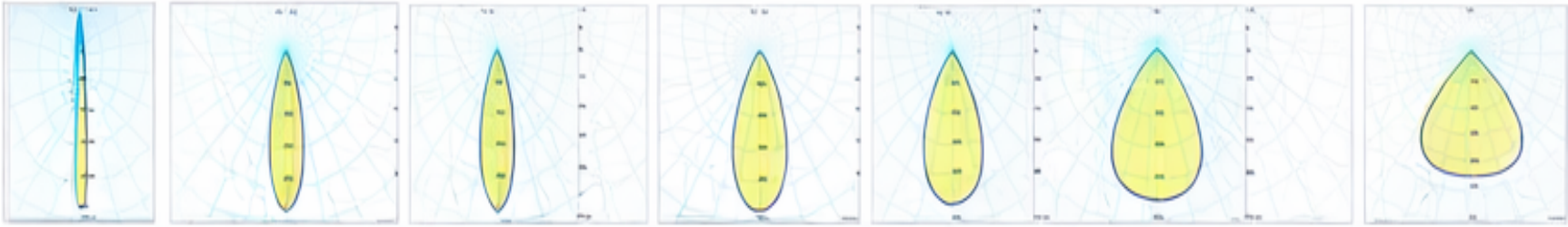
Wattage	Typical lumens	Dimensions (mm)	Net weight
50 W	7,500 lm	340 x 230 x 95	4.5 kg
100 W	15,000 lm	340 x 480 x 95	9.0 kg
150 W	22,500 lm	340 x 730 x 95	13.0 kg
200 W	30,000 lm	745 x 480 x 95	18.0 kg
300 W	45,000 lm	745 x 730 x 95	23.5 kg
400 W	60,000 lm	745 x 980 x 95	28.6 kg
500 W	75,000 lm	745 x 1230 x 95	36.0 kg

500 W net weight: 36.0 kg.

This table describes the Modular light-engine version. Use the separate COBB sheet for COBB model identifiers, optical options, voltage ranges, and CCT selections.

Optics and Product Configurations

Beam-distribution references and Modular product views.



10°

25°

40°

60°

90°

120°

Request the applicable photometric file for the selected wattage and beam angle.

Documented product views



100 W



150 W



200 W

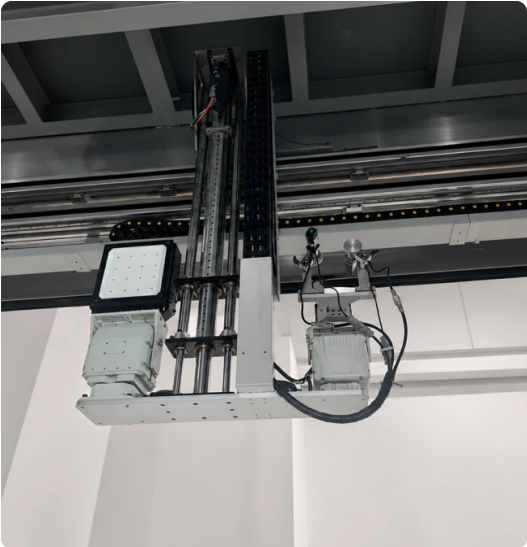


300 W

Product views are shown for the 100 W, 150 W, 200 W and 300 W configurations. Confirm the physical configuration for other wattages at quote.

Application Context and Selection Checklist

High-temperature field application examples and a configuration checklist.



Industrial high-temperature installation



Oven chamber installation



Oven exterior installation

Real photographs from an RT-IL 150°C industrial oven-lighting project, included as documented high-temperature application context. They are not represented as RT-IL 100°C installations.

Before specifying

- 1 Confirm the maximum ambient temperature at the fixture location.
- 2 Select the required wattage and output from the documented table.
- 3 Confirm available mounting and physical clearance for the selected size.
- 4 Select the required beam distribution for the application.
- 5 Confirm whether the Modular or COBB light-engine version is required.

Maes Lighting

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Stable document: maeslighting.com/assets/docs/rt-il-100c-modular.pdf