

INDUSTRIAL HIGH-TEMPERATURE LED LIGHTING

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

COBB Light Engine Version

Industrial COBB flood and high bay fixture for extreme-heat process areas.

Product overview

Designed for extreme-heat industrial environments with documented configurations from 40 W through 400 W.

Applications include foundries, refineries, factories, petrochemical facilities, and other high-temperature process areas.

Primary features

- Rugged aluminum housing for industrial environments
- Multiple beam options for high bay and flood use
- Trunnion, pendant, and eye-hook mounting options



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

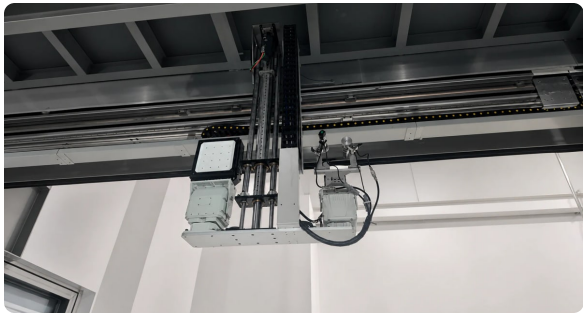


cETLus Listed
Intertek listing mark



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

Rugged aluminum housing
Industrial construction for demanding process environments.
- 02

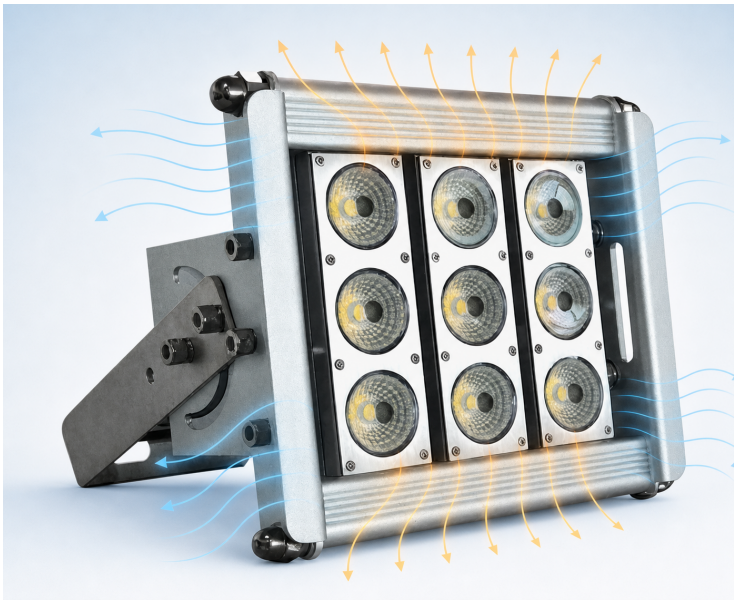
Thermal dissipation
Housing geometry supports heat transfer away from the light engine.
- 03

Multiple beam options
Documented choices from narrow to wide distribution.
- 04

Industrial mounting
Trunnion, pendant, and eye-hook options.
- 05

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

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



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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.

Models and Specifications

Documented COBB configurations, optical options, and electrical ranges.

OPERATING RANGE
-40°F to 212°F

CONFIGURATION RANGE
40 W to 400 W

VARIANT
COBB light engine

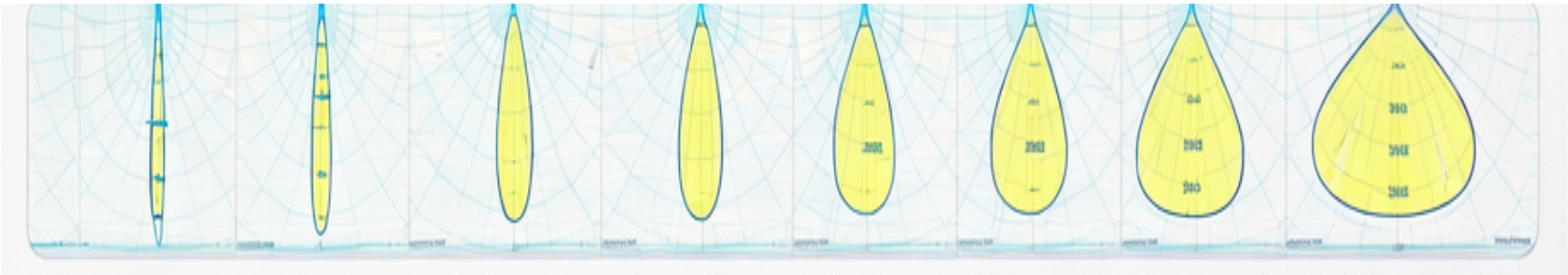
Model	Wattage	Typical lumens	Voltage	Beam options	CCT	Operating temp
RT-IL40-C	40 W	6,400 lm	100 to 277 V 347 to 480 V	10°, 25°, 40°, 60°, 90°, 120°	4000 K 5000 K	-40°F to 212°F
RT-IL100-C	100 W	16,000 lm	100 to 277 V 347 to 480 V	10°, 25°, 40°, 60°, 90°, 120°	4000 K 5000 K	-40°F to 212°F
RT-IL150-C	150 W	24,000 lm	100 to 277 V 347 to 480 V	10°, 25°, 40°, 60°, 90°, 120°	4000 K 5000 K	-40°F to 212°F
RT-IL200-C	200 W	32,000 lm	100 to 277 V 347 to 480 V	10°, 25°, 40°, 60°, 90°, 120°	4000 K 5000 K	-40°F to 212°F
RT-IL300-C	300 W	48,000 lm	100 to 277 V 347 to 480 V	10°, 25°, 40°, 60°, 90°, 120°	4000 K 5000 K	-40°F to 212°F
RT-IL400-C	400 W	64,000 lm	100 to 277 V 347 to 480 V	10°, 25°, 40°, 60°, 90°, 120°	4000 K 5000 K	-40°F to 212°F

Confirm dimensions, weight and mounting requirements for the selected COBB configuration with the project submittal.

Use the separate Modular sheet for the Modular performance-and-dimensions table.

Optics and Product Configurations

Beam-distribution references and six COBB product views.



10°

25°

40°

60°

90°

120°

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

Documented product views



40 W



100 W



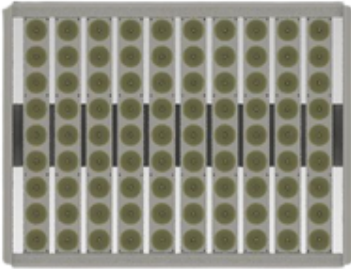
150 W



200 W



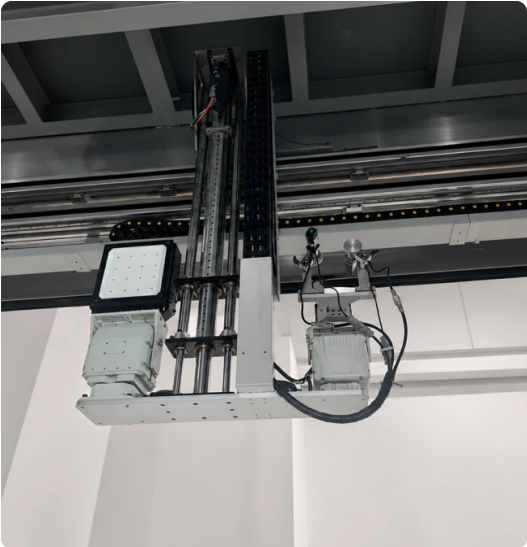
300 W



400 W

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 documented model, wattage, and required output.
- 3 Confirm voltage and CCT requirements for the selected configuration.
- 4 Select the required beam distribution and mounting method.
- 5 Confirm whether the COBB or Modular light-engine version is required.

Maes Lighting

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