

ULTRA HIGH-TEMPERATURE INDUSTRIAL LED LIGHTING

RT-IL-150C LED Flood and High Bay 150°C (302°F) Rated Light Head

A remote-driver lighting system designed for industrial locations where the light head must operate in extreme heat while the electronic driver remains in a cooler zone.

150°C / 302°F

Maximum documented ambient operating temperature at the light head.

100°C / 212°F

Maximum documented operating temperature at the external driver.

50 W–500 W

Seven documented configurations delivering 7,500–75,000 lumens.



150°C light head
For extreme-temperature process areas.



cETLus Listed
Request the current listing and control number for the selected configuration.



IP67 protection
Documented water and dust protection rating.



RT-IL-150C field installation examples.

Designed Around the Thermal Boundary

The light head stays in the hot process zone; the external driver is located where ambient temperature does not exceed 100°C (212°F).

External-driver architecture

Separates heat-sensitive electronics from the 150°C light-head environment.

Gold-wire-free LED packaging

Documented wire-free LED packaging for high-temperature service.

High-temperature components

High-temperature LED chips paired with a high-performance driver.

Thermal management

Finned, large-surface heat sink supports heat dissipation.

Aviation-grade aluminum

Documented housing material for demanding industrial environments.

Documented protection

IP67 water- and dust-protection rating.



Certification detail: request the current Intertek listing/control number and exact standard wording for the selected RT-IL-150C configuration.

Documented testing statements: temperature stability, shock resistance, and vibration resistance. Consult Maes Lighting for configuration-specific test documentation.

Electrical, Optical, and Environmental Specifications

Searchable electrical, optical and environmental selection data.

Electrical	Optical performance
Input voltage90–295 V AC	Wattage range50–500 W
Frequency50–60 Hz	Lumen range7,500–75,000 lm
High-voltage option347–480 V AC, 50–60 Hz	Nominal efficacy150 lm/W
Power factor> 0.95	CRI> 80
Power supplyMean Well or Inventronics driver	L70> 80,000 hours
Light sourceBridgelux	Beam options10° / 25° / 40° / 60° / 90°
Color temperature	Environmental and protection
Regular range2700–6500 K	Light-head ambient–40°C to 150°C (–40°F to 302°F)
Customized range1500–10,000 K	External driver max.100°C / 212°F
SelectionConfirm at quote	Ingress protectionIP67
	Listing markcETLus Listed · Intertek

Selection note: the seven-model configuration table on Page 04 controls the lumen range. Color temperature, voltage, beam angle, cable, and mounting selections should be confirmed for the quoted configuration.

Seven Documented Configurations

Seven configurations with wattage, output and physical dimensions.

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

Ordering selections

- Input voltage: 90–295 V AC or 347–480 V AC, 50–60 Hz
- Beam angle: 10°, 25°, 40°, 60°, or 90°
- Regular CCT: 2700–6500 K; customized CCT: 1500–10,000 K
- Mounting: eye-hook, pendant, or yoke configuration
- Confirm final driver, cable, voltage, optical, and mounting selections at quote

Remote-driver cable

5 m / 15 ft

Standard cable length.

10 m or 15 m

Documented cable options. Maximum external-driver distance: 68 ft (20.7 m).

Thermal placement rule: keep the external driver outside the hot zone whenever ambient at the driver location would exceed 100°C (212°F).

Dimensions, Weight, Mounting, and Optics

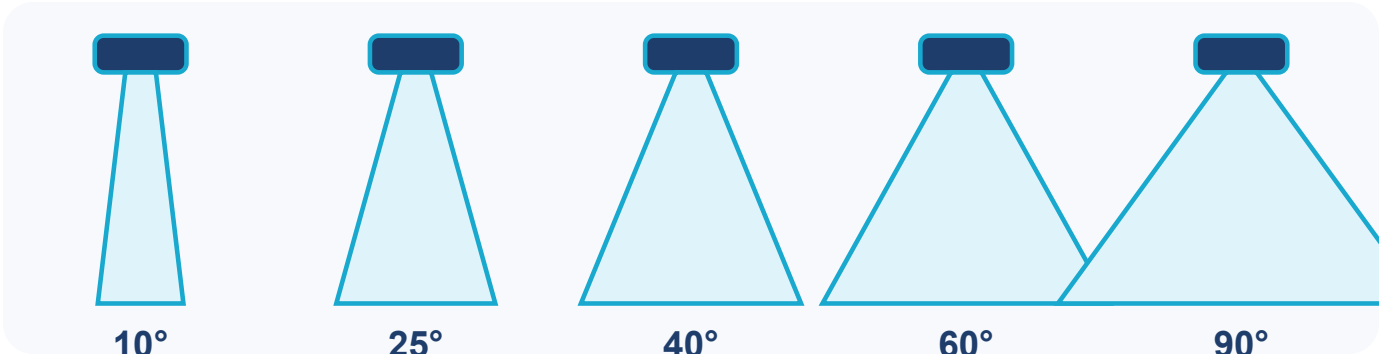
Mechanical values correspond to the seven-model configuration table; select mounting and beam distribution for the installation.

Wattage	Dimensions (mm)	Net weight
50 W	340 × 230 × 95	4.5 kg
100 W	340 × 480 × 95	9.0 kg
150 W	340 × 730 × 95	13.0 kg
200 W	745 × 480 × 95	18.0 kg
300 W	745 × 730 × 95	23.5 kg
400 W	745 × 980 × 95	28.6 kg
500 W	745 × 1230 × 95	36.0 kg



Documented mounting choices

- Eye-hook
- Pendant
- Yoke



Conceptual beam-angle illustration. It identifies documented selections and does not represent measured photometric data.

Install the Light Head in the Hot Zone—Keep the Driver Cooler

External-driver placement is the defining installation requirement for the RT-IL-150C system.



Installation planning reference. Confirm the selected structure, wiring method, cable routing, airflow and electrical requirements before installation.



RT-IL-150C 50 W oven installation.

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| 01 Confirm the driver location does not exceed 100°C (212°F). | 02 Select the documented eye-hook, pendant, or yoke mount. |
| 03 Mount the light head in the high-temperature zone with clearance. | 04 Route the remote cable away from direct heat and damage. |
| 05 Keep the driver in the cooler zone within the documented distance. | 06 Complete the electrical connection and verify operation. |

Do not place the external driver in the 150°C / 302°F light-head zone. The driver is documented for operation up to 100°C / 212°F.

Two-Year Limited Warranty · Applies to all seven RT-IL-150C configurations.