



RT-IL-150C II/Ultra High Temperature LED Flood and High Bay, 150°C (302°F), Driver



RT-IL-150C Ultra High Temperature LED Flood and High Bay, 150°C (302°F), External Driver

High-temperature LED flood lighting designed for industrial areas and extreme temperature environments. Built to withstand harsh conditions while delivering reliable, long-lasting illumination up to 150°C (302°F) at the light head.



150°C (302°F)
Light Head



100°C (212°F)
External Driver



**Remote driver
cable options**
(10 m or 15 m)



Temperature compliance

Light head rated up to 150°C (302°F). External driver rated up to 100°C (212°F) and must be mounted outside the hot area if ambient exceeds 212°F.

Typical Applications



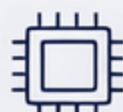
Petrochemical plants, Refineries. Pharmaceutical Plants, Chemical plants, and Gas plants.

Key Features

Designed for high-temperature industrial environments



External driver design for
high-temperature environments



Gold wire free technology
(wire-free LED packaging)



High-temperature LED chips
and high performance driver



Finned heat sink for
Improved heat dissipation



IP67 waterproof and
dust-proof rating



Large heat sink
for superior heat dissipation



Thorough testing:
shock resistance



Aviation grade
aluminum housing



Thorough testing:
vibration resistance

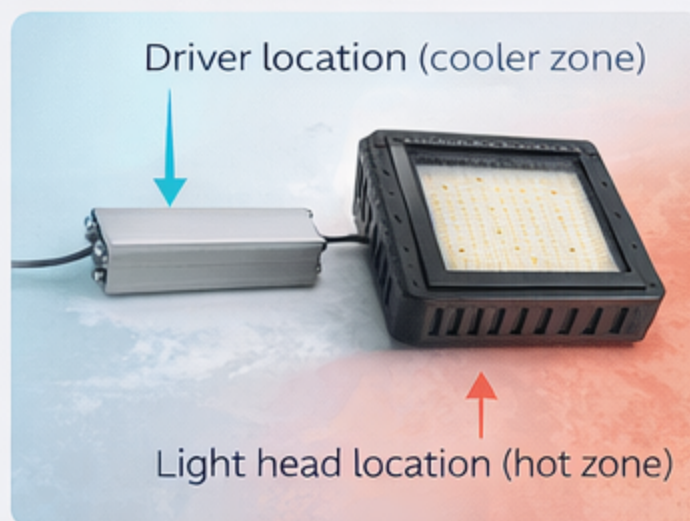


Thorough testing:
temperature stability



Gold wire free technology
(wire-free LED packaging)

Driver placement



Optics options

10°

25°

40°

60°

60°

90°

Beam angles: 10 / 25 / 40 / 60 / 90 degrees

Specifications

Electrical, photometric, and environmental performance



Electrical



Input voltage: 90-295V, 50-60HZ



Input voltage: 347V-480V,
50-60HZ



Power factor: > 0.95



Power supply: Meanwel or
Inventronics driver



Light source: Bridgelux



Photometric and Performance



Wattage options: 50W / 100W /
150W / 200W / 300W / 400W / 500W



Lumen output (spec): 15000-65000 lm

Efficacy: 150 lm/W



CRI: > 80



L70: > 80,000 hours



Color temperature (Regular):
2700-6500K



Color temperature (Customized):
1,500K to 10,000K



Environmental



Ambient operating temperatures
(Light source):
-40°C (-40°F) to 150°C (302°F)



IP67 Waterproof



Driver installation limited to
areas not exceeding 212°F



Environmental



Ambient operating temperatures (Light source): -40°C (-40°F) to 150°C



IP67 Waterproof



External driver operating temp: 212°F



Driver installation limited to areas not exceeding 212°F

Variations and Ordering

Variant table, ordering options, and product lineup



Temperature compliance

Light head rated up to 150°C (302°F).
External driver rated up to 100°C (212°F)
and must be mounted outside the hot area
if ambient exceeds 212°F.

150°C (302°F) Light head with external power supply (External driver)

Wattage	Lumens	Dimensions (mm)
50W	7500 lm	340 × 230 × 95
100W	15000 lm	340 × 480 × 95
150W	22500 lm	340 × 730 × 95
200W	30000 lm	745 × 480 × 95
300W	45000 lm	745 × 730 × 95
400W	60000 lm	745 × 980 × 95
500W	75000 lm	745 × 1230 × 95

150°C (302°F) Light head with external power supply (External driver)

Wattage	Lumens	Net Weight
50W	340 × 230 × 95	4.5KG
100W	340 × 480 × 95	9KG
150W	340 × 730 × 95	13KG
200W	745 × 480 × 95	18kg

Ordering options

- **Input voltage:** 90-295V, 50-60HZ; 347V-480V, 50-50-60HZ
- **Beam angles:** 10 / 25 / 40 / 60 90 degrees
- **Color temperature (Regular):** 2700-6500K
- **Color temperature (Customized):** 1,500K to 10,000K
- **External driver operating temp:** 212°F
- External driver can be mounted up to 68 feet from the fixture
- Standard 5-meter cord length accommodates most installation requirements.
- Standard 15-foot cord providing installation flexibility

Product Lineup



50W
7500 lm



100W
15000 lm



150W
22500 lm



200W
30000 lm

500W | 75000 lm

Mounting and Dimensions

Mechanical dimensions, weight, and mounting options



Dimensions and Net Weight (by wattage)

Wattage	Dimensions (mm)	Net Weight
50W	340 × 230 × 95	4.5KG
100W	340 × 480 × 95	9KG
150W	340 × 730 × 95	13KG
200W	745 × 480 × 95	18kg
300W	745 × 730 × 95	23.5KG
400W	745 × 980 × 95	28.6kg
500W	745 × 1230 × 95	35kg



Product close-up

- YOKE or Hook mountings available
- Multiple mounting options including eye-hook, pendant, and yoke configurations



Mounting options

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- Multiple mounting options including eye-hook, pendant, and yoke configurations



Mounting options

- YOKE or Hook mountings available
- Multiple mounting options including eye-hook, pendant, and yoke configurations



Large heat sink and finned heat sink design support superior heat dissipation for high-temperature operation.



Product close-up



Product close-up

Installation

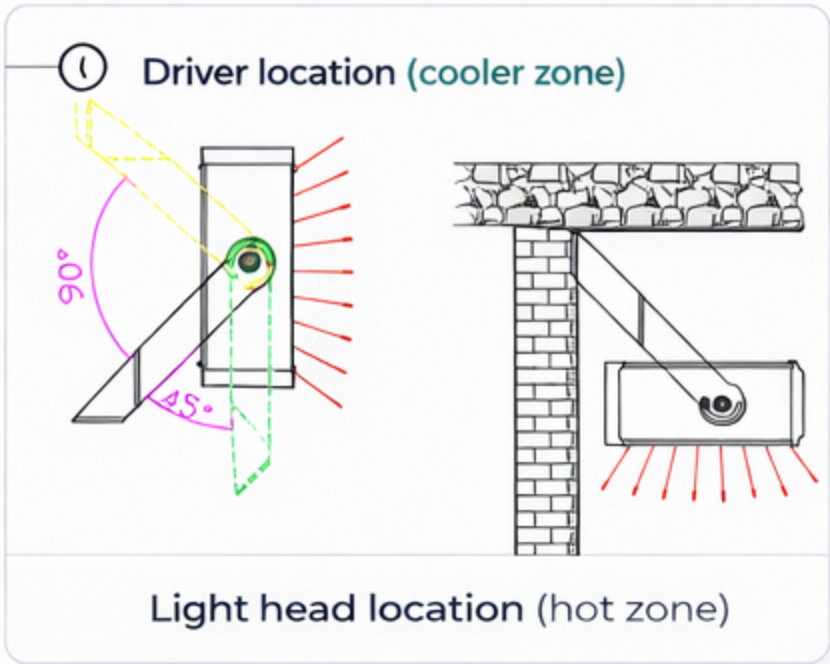
Installation guidance, driver placement rules, and checklist



Temperature compliance

Light head rated up to 150°C (302°F). External driver rated up to 100°C (212°F) and must be mounted outside the hot area if ambient exceeds 212°F.

Installation diagram



Installation & Mounting

External driver configuration allows installers to position electronic components in cooler areas while maintaining the fixture in high-temperature zones.

- Multiple mounting options including eye-hook, pendant, and yoke configurations
- External driver can be mounted up to 68 feet from the fixture
- Driver installation limited to areas not exceeding 212°F



Mount driver in a cooler location when ambient exceeds 212°F



DO NOT Place driver inside 302F zone

Installation example



Installation example

Step-by-step checklist

- 1 Confirm ambient temperature at the driver location does not exceed 212°F
- 2 Select mounting configuration (eye-hook, pendant, or yoke)
- 3 Mount fixture in the high-temperature zone as required
- 4 Route the driver cable to the cooler zone
- 5 Mount external driver in an area not exceeding 212°F
- 6 Complete electrical connection and verify operation



2 Year Limited Warranty