

High Ambient Temperature LED Lights

Heat-resistant LED that Works Under 100°C (212°F)

“High temperature” means the lighting that functions under the [extreme temperature](#). This product is designed for [industrial use](#) such as chemical plants, foundry, food processing factory and etc. We offer various types of LED lights such as [high bay](#), [low bay](#), [flood lights](#) and [work lights](#), having power ranged from 100 to 500 watt. All our LED lighting solutions passes the high ambient temperature test under 100°C (212°F)



Specification

- Power:** 100W / 200W / 300W / 500W
- Light output:** 17000 lm / 34000 lm / 51000 lm / 85000 lm
- Max. Work Temperature:** 100°C (212°F)
- Color Rendering Index:** 75
- Color temperature:** 2700-3500K / 5000-7500K
- Beam angle:** 25°, 40°, 60°, 90°
- Power supply:** Inventronics (100°C)
- Warranty:** 5 Years (100°C)
- LED chip:** bridgelux
- Waterproof:** IP66

Why LED Lights?

Unlike other conventional HIDs, LED lights give [extra stability](#) and durability under high ambient temperature. It is not the best option to use halogen or fluorescent inside such the tough environment because the volatile chemical inside the tubes will become very unstable in such the burning environment and thus its lighting efficiency drops significantly. On the contrary, LED uses [solid-state electronics](#) which does not involve delicate filament and the mercury vapor. The components keep in [stable condition even under 100°C](#). That is the reason why LED light is frequently adopted in factory, foundry, and other industrial sites

Harsh Environment

Hot steam, oil splash and extreme heat in oil refinery, foundry, or other high temperature factory damage the lights if they do not have special reinforcement. High Temperature LED Lighting has IP66 waterproof function and heat resistant design, and thus, the luminaires are capable to withstand such the tough environment

External Heat Sink

Our patented heat dissipation system effectively conducts the heat inside the lamp body away, in order to maintain the junction temperature at a lower range

Gold Wire Free Technology

Unlike the traditional LED chip, the wire free packaging method eliminates the use of thin gold wire, which reduces heat generation and enhances stability under high temperature

Power per
LED Chips

Solid state
Lighting

Solid-state
Power Supply

100°C / 212°F Model

4W



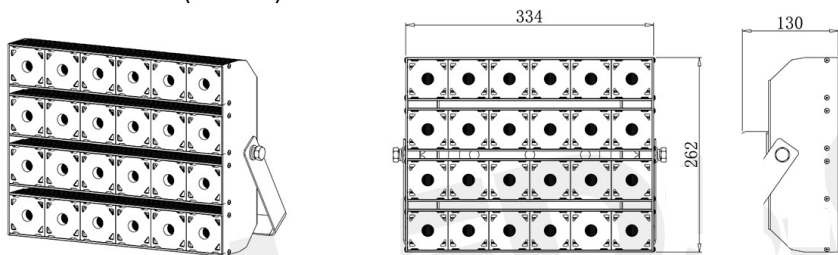
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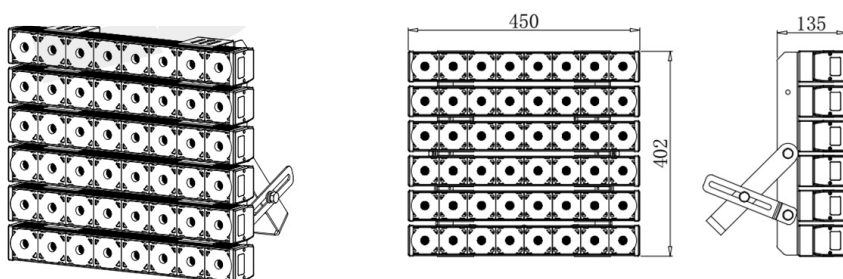
100°C Heat-proof LED Lights

Power	LED Chip Array	Beam Angle	Dimension
100W	6 x 4	25°, 40°, 60°, 90°	334 x 262 x 130 mm
200W	8 x 6		450 x 402 x 135 mm
300W	9 x 8		505 x 538 x 135 mm
500W	12 x 10		670 x 675 x 135 mm

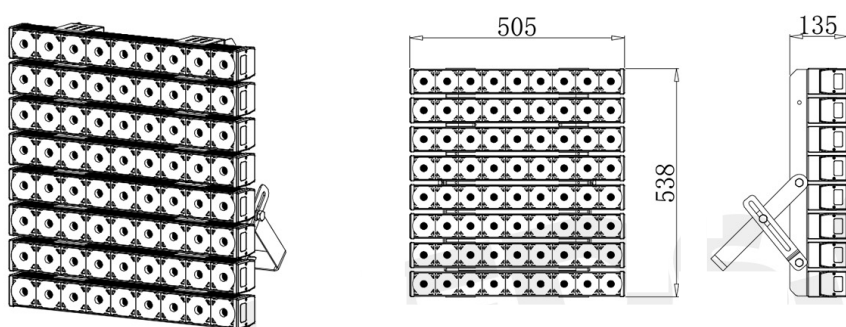
(100W)



(200W)



(300W)



(500W)

