

Applications



Product Performance Parameters

| Specification | Performance Index | Specification | Performance Index |
|-----------------------|-------------------------------|------------------|---|
| Input Voltage | 175~265VAC/50Hz 140~400VDC | Light Uniformity | > 0.8 |
| Rated Power | 100 W | Color Temp | 5800-6200K |
| Power Efficiency | > 90% | Ambient Temp | -20°C ~ 55°C |
| Output Current | 600mA | Storage Temp | -30°C ~ +65°C (25°C Best) |
| Output Voltage | MAX100VDC | Net Weight | 5.82 Kg |
| Constant Current | <5% | Dimension(Color) | 370*280*300 (Silver& Gray) |
| Initial Luminous Flux | > 7900 Lm | Protection Level | IP65 |
| Irritation Angle | 100° | Standard | Comply with general lamp safety requirements and test of GB 7000.1-2015 |
| Luminous Efficiency | > 80lm /W | | |

Gree LED Intelligent Lighting system GIMG100-AC220F

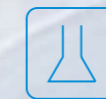


A NEW GREE LED INTELLIGENT LIGHTING

OPEN THE GREEN ENERGY-SAVING ERA



Delicate Appearance



Ultra-high Light Effect



Energy-saving and Long-lasting



Professional Protection



Safe and Reliable



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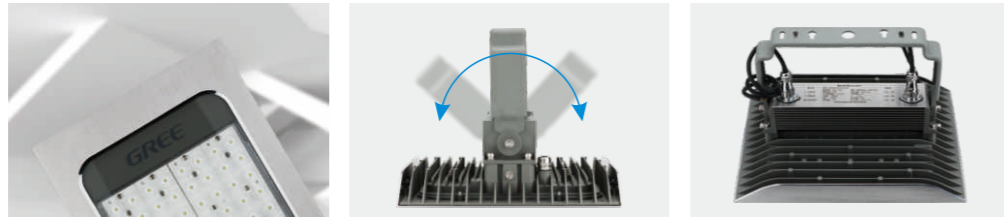
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6 UPGRADE TECHNOLOGIES



POWERFUL DRIVING POWER

- Support AC/DC power input (140~400VDC) with wide voltage range, strong power grid adaptability, power factor greater than 0.98, and over 90% power efficiency.
- Two-circuit independent control, high-precision constant current output, LED lighting without strobe and more stable.
- Multiple protection design of undervoltage, overload, short-circuit, with high reliability of driving power supply.

ULTIMATE AESTHETIC DESIGN & PROFESSIONAL PROTECTION

- The use of high light, brushed aluminum alloy panels, with delicate and simple appearance.
- Multi seals with IP65 protection level to meet internal and external use.

EFFICIENT ALUMINUM HEAT DISSIPATION DESIGN

- Adopt high-low fin optimization design, surface dusting treatment, with strong corrosion resistance and good heat dissipation.
- Light and compact design can save installation costs.
- Aluminum shell power supply, internal potting imported high-performance thermal glue, with high reliability and long life of components.

PATENT DESIGN OF INNOVATIVE STRUCTURE

- The power box adopts wireless rails and external installation, which is convenient for installation and maintenance.
- The convex mounting bracket supports lifting and wall hanging, with high strength and strong anti-seismic ability.
- The occlusion structure of scalloped shaft can achieve precise adjustment of installation angle.
- Integrated power box molding, the top of inlet-outlet line, stainless steel over-coil seal with good sealing.

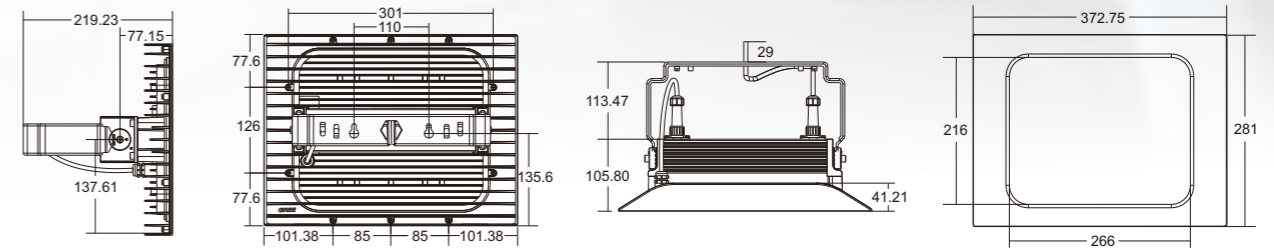
ADVANCED LED LIGHT SOURCE

- Mport Rui (CREE) silicon carbide LED lamp beads, with features of small size, large power, high light efficiency, long life, can be assured that the use of more than 50,000 hours.
- The use of high-performance metal light plate with super heat dissipation to effectively reducing the temp of the lamp center.

PROFESSIONAL LIGHT DISTRIBUTION MODULE

- Professional optical design with unifrom luminous and no glare to meet the factory, warehouse, square and other large space lighting needs.
- The use of high transmittance materials with high utilization of light energy.
- Accurate luminous design to provide users with the best lighting solutions.

Gree LED industrial lighting does not contain mercury, xenon, lead and other harmful elements, it is more energy-saving and environmental protection compared to traditional incandescent, fluorescent, metal halide lamps. 100W LED industrial lighting replaces 200W traditional metal halide lamp, can save more than 50% energy, and the life is more than 4 times as metal halide lamps.



Nnit : mm

| Performance Index | Gree LED Industrial Lighting | Metal Halide Lamp |
|-----------------------|-------------------------------------|---|
| Lighting Effect | 80-100lm/w | 70-100lm/w |
| CRI | >69 | About 65 |
| Starting time | <1S | 5-10min |
| Ultraviolet Content | Low | 34%, not suitable for close use |
| Strobe | No | Power frequency work, the naked eye feels strobe is serious |
| Glare | No | Glare is serious |
| Height | 5-10m | Above 8m |
| Applicable Scope | Factories, warehouses, garages, etc | Outdoor, high ceiling lamp places |
| Service Life | >50000h | 8000-12000h |
| Power Factor | >0.98 | About 0.8 |
| Starting Current | Low | Very high with big impact on electrical appliances |
| Working Voltage Range | AC : 175-265V AC DC : 140-400VDC | AC : 200-240VAC |

