

FREELUX 菲瑞克斯

LED SPOTLIGHTS

50W 100W 150W 200W 300W 400W

PTG003 Focus Beam Spotlight

2023



The kit sale does not include the light source or the power supply.

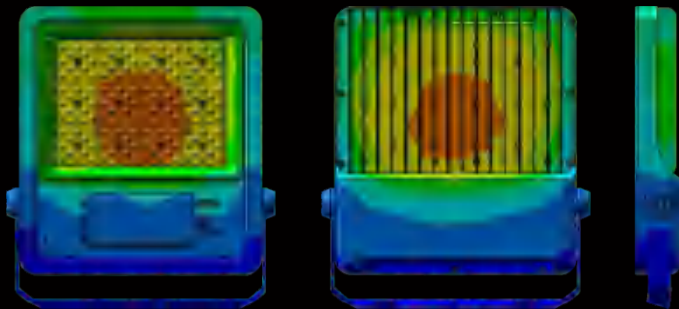
NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.

Product Overview

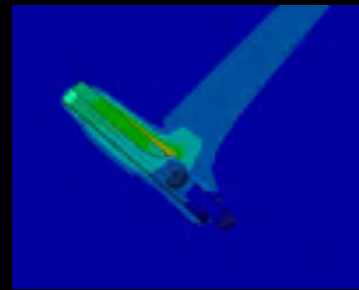


Thermal control technology

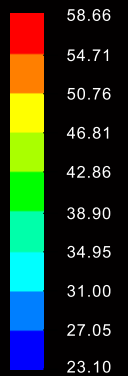
By adopting advanced finite element analysis technology, the heat dissipation structure design of the product is optimized. This enables us to achieve a better cost-performance ratio for our customers.



Conduction heat dissipation schematic diagram



The impact of lamp heat on the air



Unit: °C

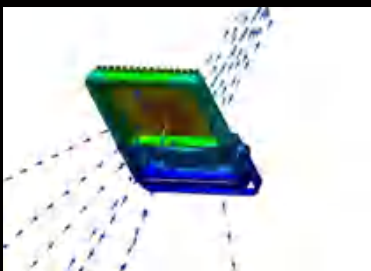


Diagram of convective heat dissipation

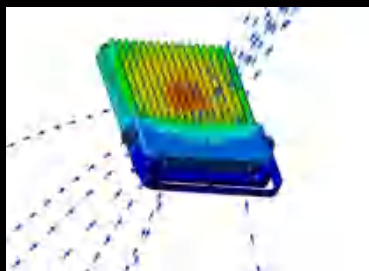
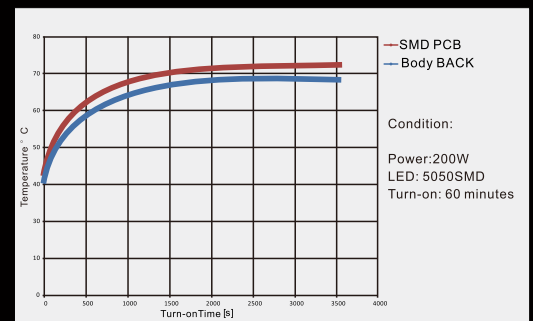


Diagram of convective heat dissipation



Temperature rise curve diagram

Decomposition diagram

The inclined-cut support design makes installation much easier.

ADC12 die-cast aluminum housing, with a heat dissipation efficiency of up to 96W/M.K

High thermal conductivity aluminum substrate can quickly dissipate the heat generated by the light-emitting diode chips, maintaining a higher luminous flux retention rate of the lighting fixture.

Optical PC lenses, with precise light control. Resistant to UV rays, and do not turn yellow even after long-term use.

High-temperature-resistant nano-material reflective sheet, UV-resistant, does not turn yellow even after long-term use

Highlight the 3030 surface mount light source, with an efficiency of up to 150lm/W.

Compatible with brand-driven power supply

Waterproof silicone ring

High-temperature-resistant nano-material reflective sheet, UV-resistant, does not turn yellow even after long-term use

Tempered glass cover panel



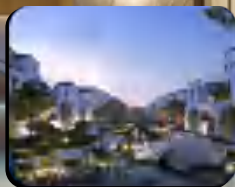
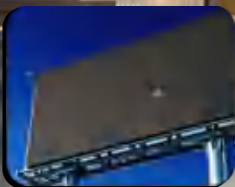
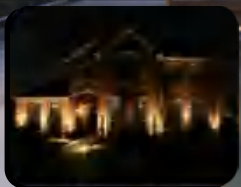
Inclined support structure

The inclined support design has a greater inclination angle, making installation much more convenient.

Scene Application

This series of spotlights is widely applicable in both indoor and outdoor settings. With an IP65 protection design, they can be installed in large sports centers, bridge projects, billboard lighting, villa gardens, outdoor wall lights and various parks. They can be installed on walls, on the ground, on ceilings or on high masts.

Installation Diagram



Ceiling-mounted installation

Ceiling-mounted installation



Floor-mounted installation



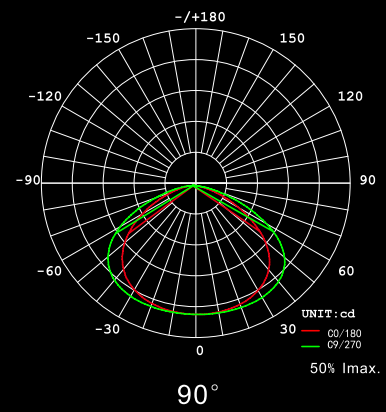
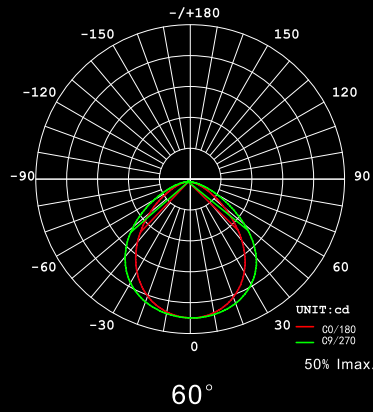
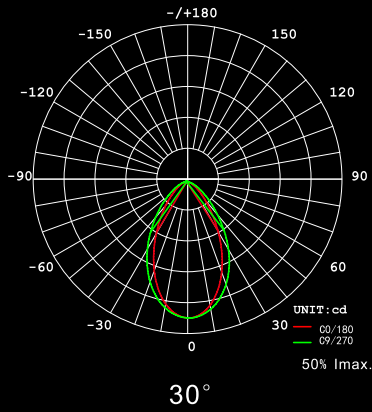
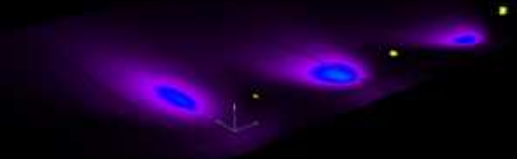
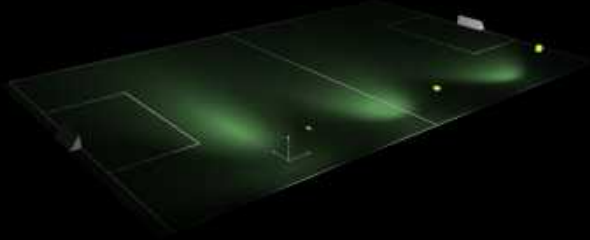
Column installation

Optics

Technical Support:

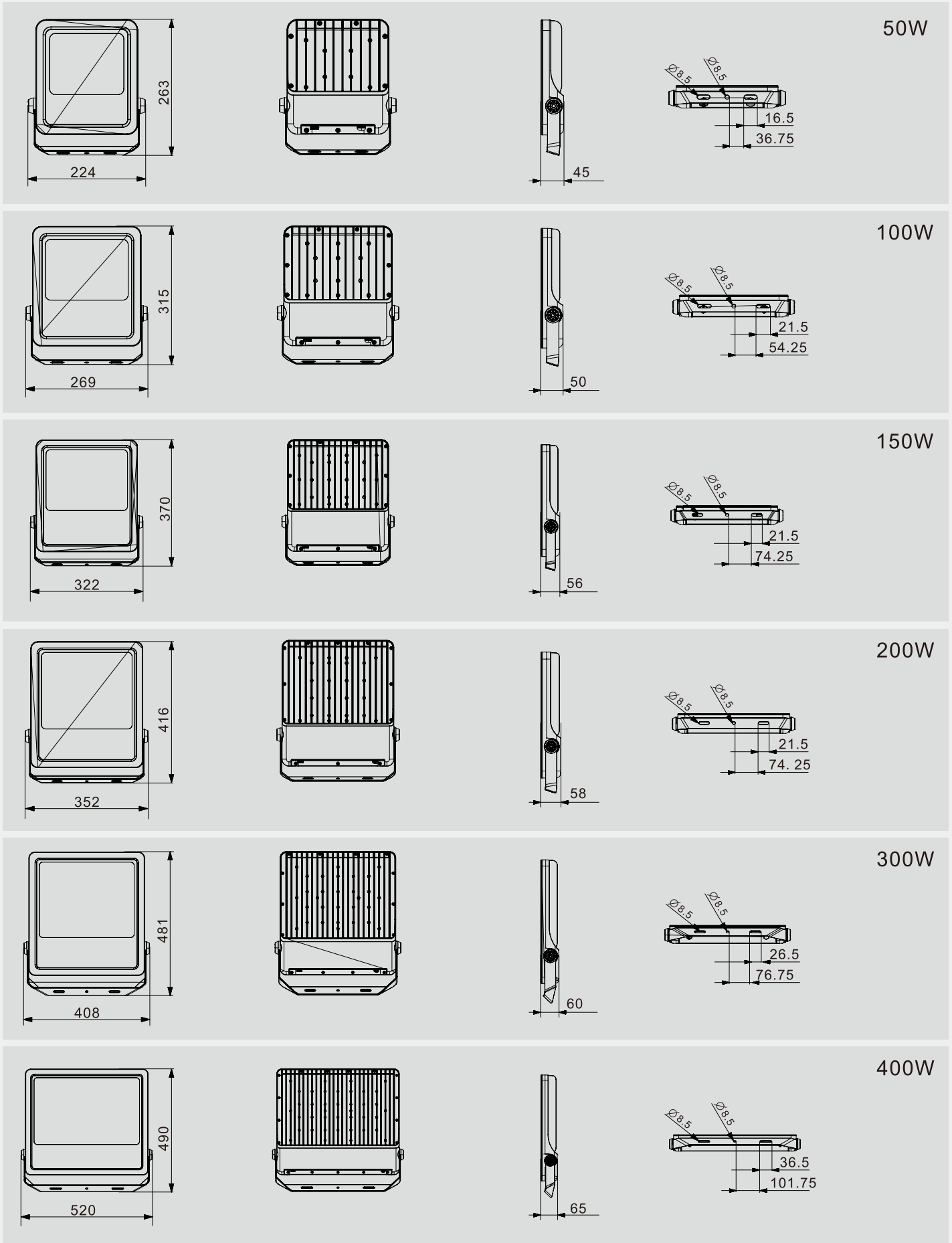
Provide us with the length, width, height and other parameters of the space, and let us know the purpose of the space. Then we can conduct a professional DIALUX lighting simulation for you.

We can pre-assess the number of lamps and the illumination effect for your project. We have complete .ies files for each type of lamp. Please feel free to request them.



Product size

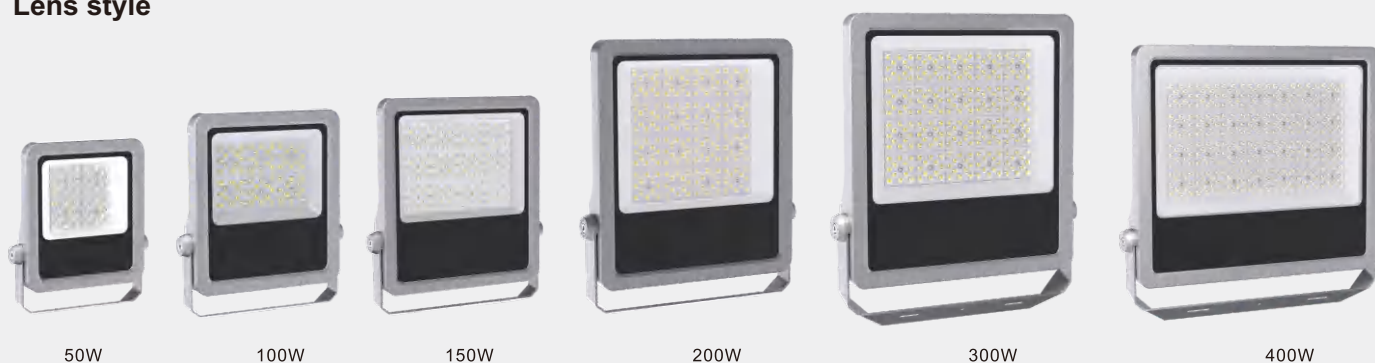
Unit: mm



Main parameters

Product model	PTG003-50W	PTG003-100W	PTG003-150W	PTG003-200W	PTG003-300W	PTG003-400W
Power	50W	100W	150W	200W	300W	400W
Number of light bulbs						
Lighting effect						
Shell material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Protection level	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Luminous angle	30°/60°/90°	30°/60°/90°	30°/60°/90°	30°/60°/90°	30°/60°/90°	30°/60°/90°

Lens style



Reflective sheet model



Packaging and transportation





Characteristics

1. AC85-265V universal voltage.
2. Light output up to 100-110LM/W.
3. 3030 high-brightness surface mount LED chips. LM-80 report and.ies file are complete.
5. PF > 0.9.
6. Cast aluminum lamp body, with high-grade anti-corrosion coating from Akzo.
7. IP65 outdoor structural waterproofing.
8. 2-year reliable warranty.
9. Complete set of export certifications.

Cautionary Note:

1. The installation must be carried out by professional electricians.
2. Do not disassemble the lamps to avoid potential dangers.
3. Do not look directly at the light source with your naked eyes as it can cause damage to your vision.
4. When installing outdoors, the wire ends need to be treated for waterproofing.



After-sales commitment:

1. The manufacturer guarantees a two-year limited after-sales service for the materials and production process of this lighting fixture (or as otherwise stipulated in the contract).
2. Users are not allowed to disassemble the lighting fixture without permission. Otherwise, the warranty may be invalid.
3. During the warranty period, if the lighting fixture is damaged in normal usage conditions, the manufacturer may decide to return it for repair or replace it with a new one based on the actual situation. The manufacturer will be responsible for losses not exceeding the value of the lighting fixture itself, such as replacement of accessories or replacement of the fixture.