



FL23 Marina

Anti-Corrosion Asymmetrical Flood Lighting

Why we design Marina?

Feedback: customer installed the common floodlights in the saline environment, a few months later, the bracket and housing all rusted.



- SPCC bracket
- Normal surface treatment



Could you advise a flood light with corrosion resistance?

Demand: customer asked for floodlight needs to be placed into the indoor swimming pool, light must be resistant against Chlorine.

- Most floodlights are fitted with vent, Chlorine air could go inside via this and affects the lifespan of LEDs.

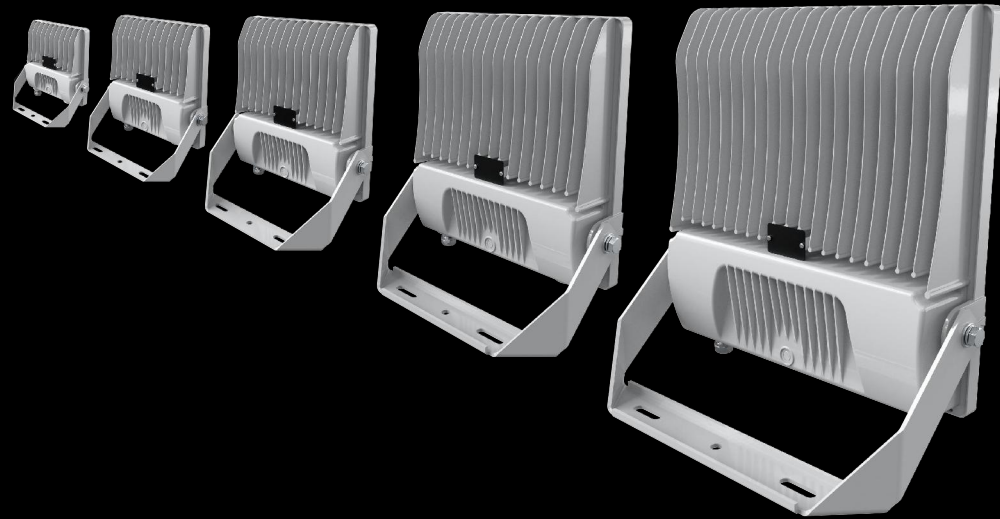


What kind of fixtures are suitable?

Product Outlooks



50W / 100W / 150W / 200W / 300W



Specification

Power	50W(0.9A) 30W(1.05A)	100W	150W	200W	300W
LED	Seoul 3030				
Finish	Grey (C30776S0JP)				
Lumen Efficiency	140(±5%) LM/W				
CCT & CRI	5000K Ra70 standard (3000K,4000K, Ra80 optional)				
Optics	ASY 55*125°, 26x60°,WB 120° ,MB 60° , NB 25°				
Input Voltage	220~240VAC				
Protection	IP66, IK08, 10kV SPD				
Application	Chemical Plants, Swimming Pools, Coastal Ship and Boatyards				
Certificate	CE,ROHS,SAA				

Structural Features

Optic system

ONE-SHEET lens easy to be exchanged, and it covered by tempered glass avoids getting yellowing.

Metallic parts

Screws all made by stainless steel, surface treated by GEOMET or Dacromet technology, Chrome-free.

Mechanical housing

Pressure die-cast ALU by electrophoresis + Noor's special powder coating.

Mounting bracket

Top-quality stainless steel with Noor's special powder coating.



Salt Spray Verification



72 hrs

Cheap version



500 hrs

Normal version



3,000 hrs

Luminaire and bracket endure salt spray testing for 3,000hrs+

NOOR Marina

4,000 hrs

Further test result
stay tuned

Other Reliability Tests



Temperature measurements+TM21



IPX6 Test



IP6X Test



Mechanical load testing



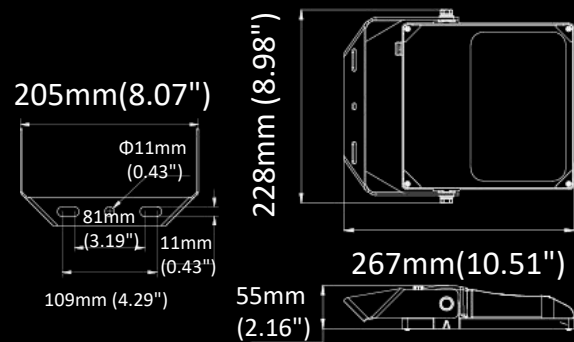
IK Test



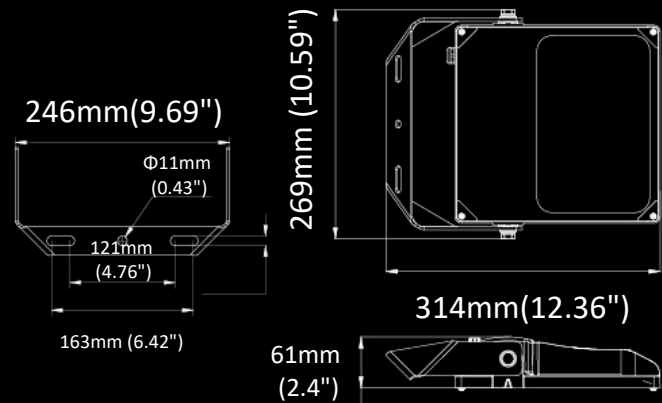
Package Drop Test

Line Drawings

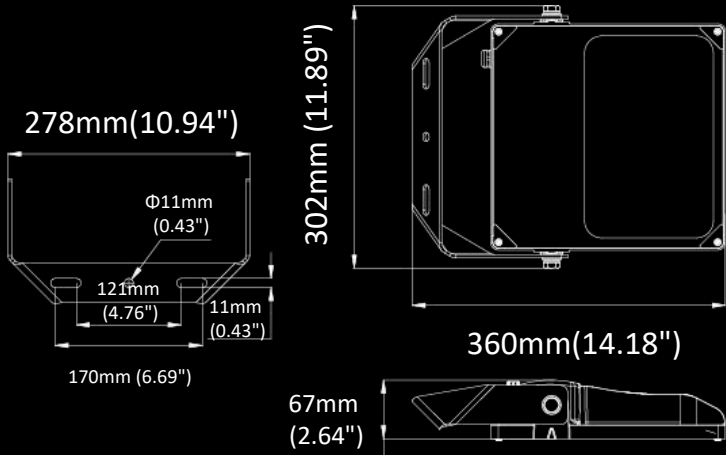
30/50W 2.1KG



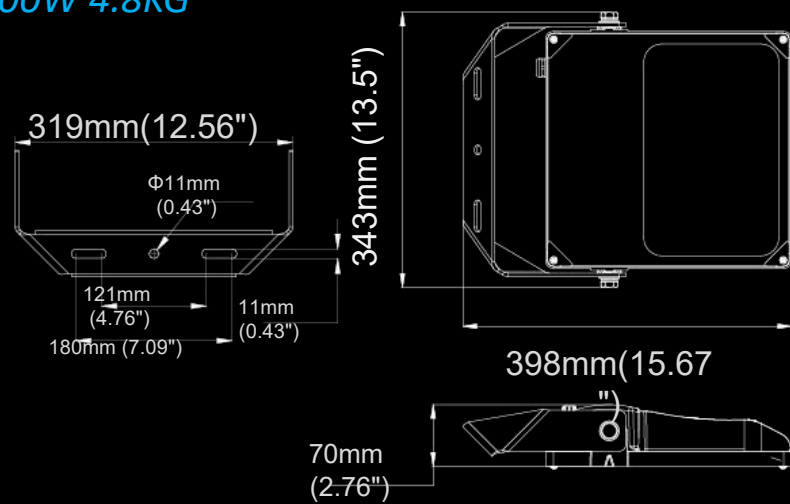
100W 2.8KG



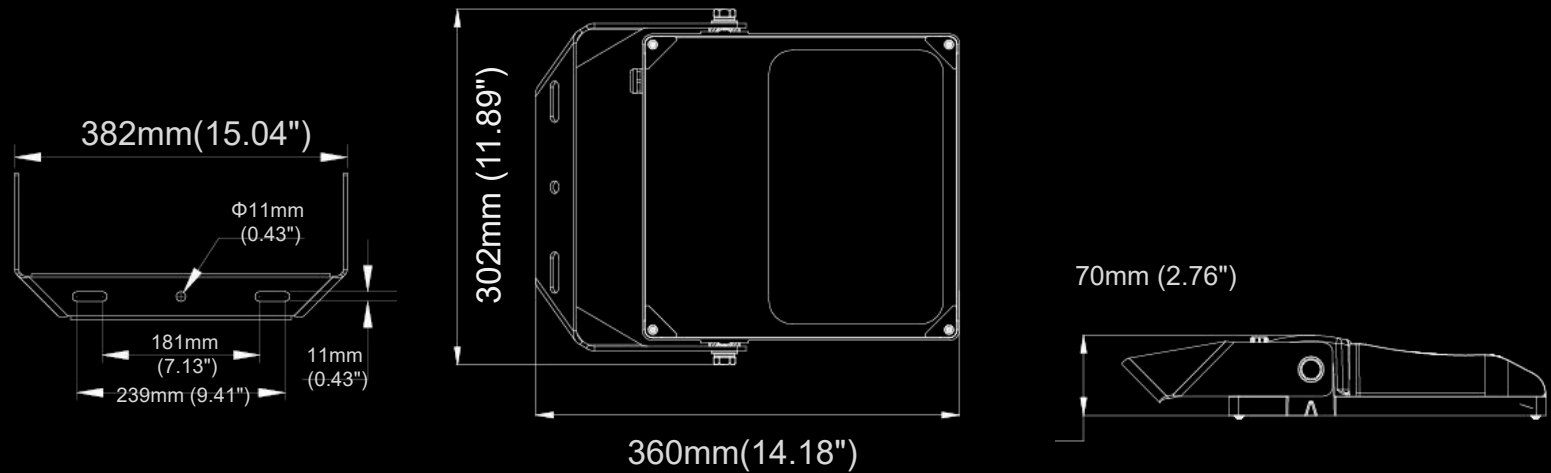
150W 3.8KG



200W 4.8KG

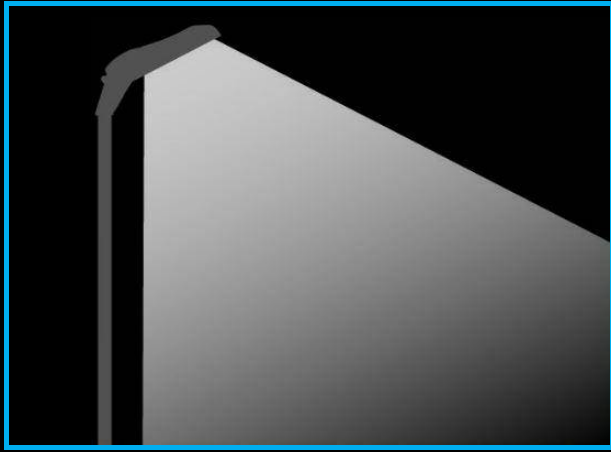


300W 7.4KG

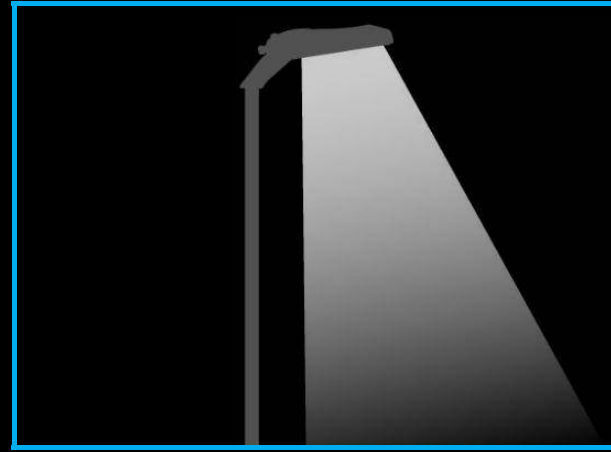


Optics

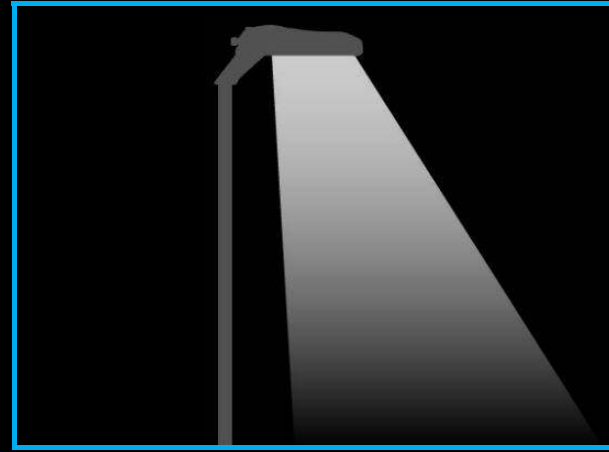
The professional optic lens is ideal for general area lighting purpose, powerful and precise.



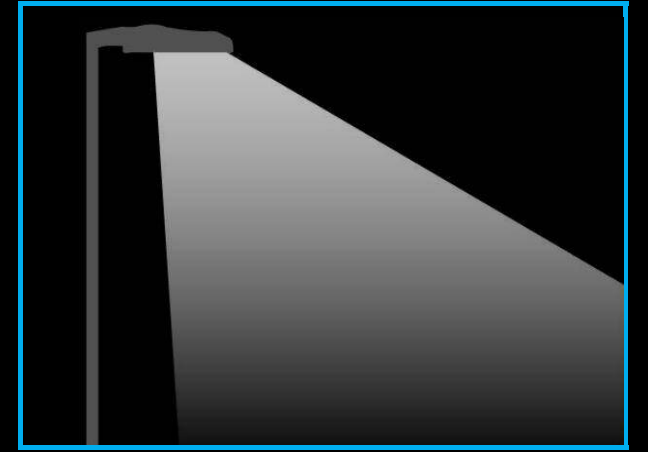
MB 60°



NB 25°



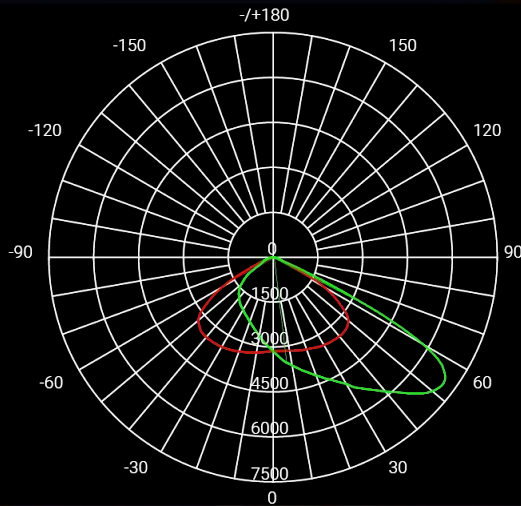
ASY 26x60°



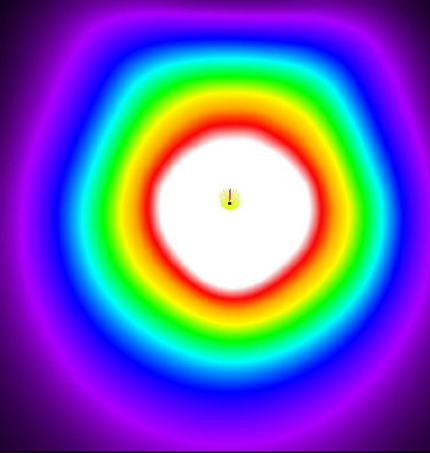
ASY 55x125°

The Most Popular Lens

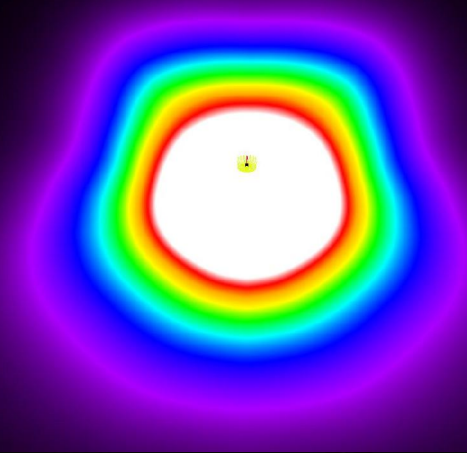
Among all the optic lens, up to **87%** clients ordered the **asymmetrical lens**.



ASY 55*125°



Marina flood light



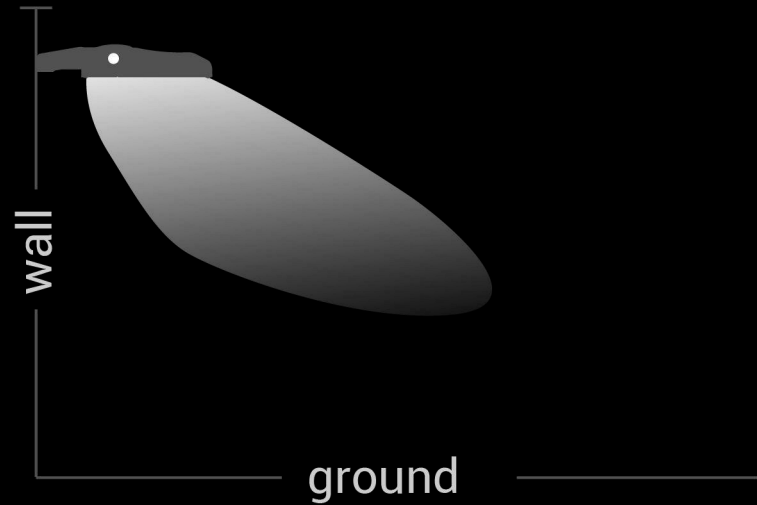
Other common flood light

Marina has specially designed ONE SHEET lens, which can improve lighting utilization and avoid light pollution, moreover, its forward throw light enables to reduce the glare and increases uniformity a lot than the common floodlight from the market.

Outstanding Performance

Marina Flood Light

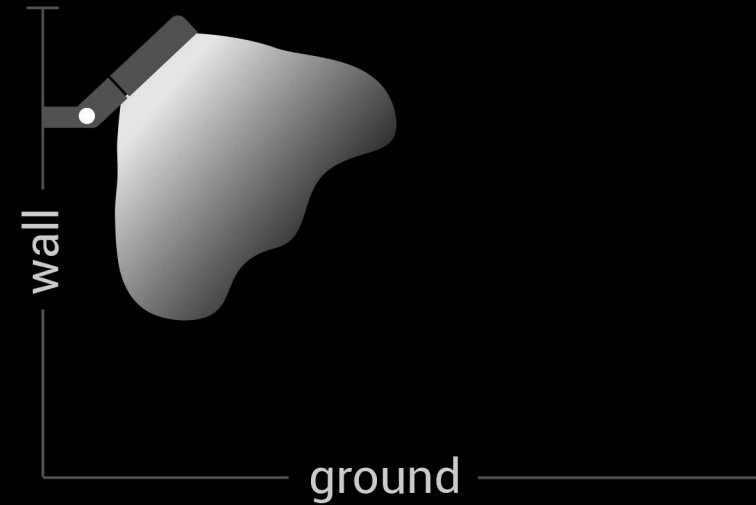
Light to where needed.



30% BETTER
LIGHT UNIFORMITY

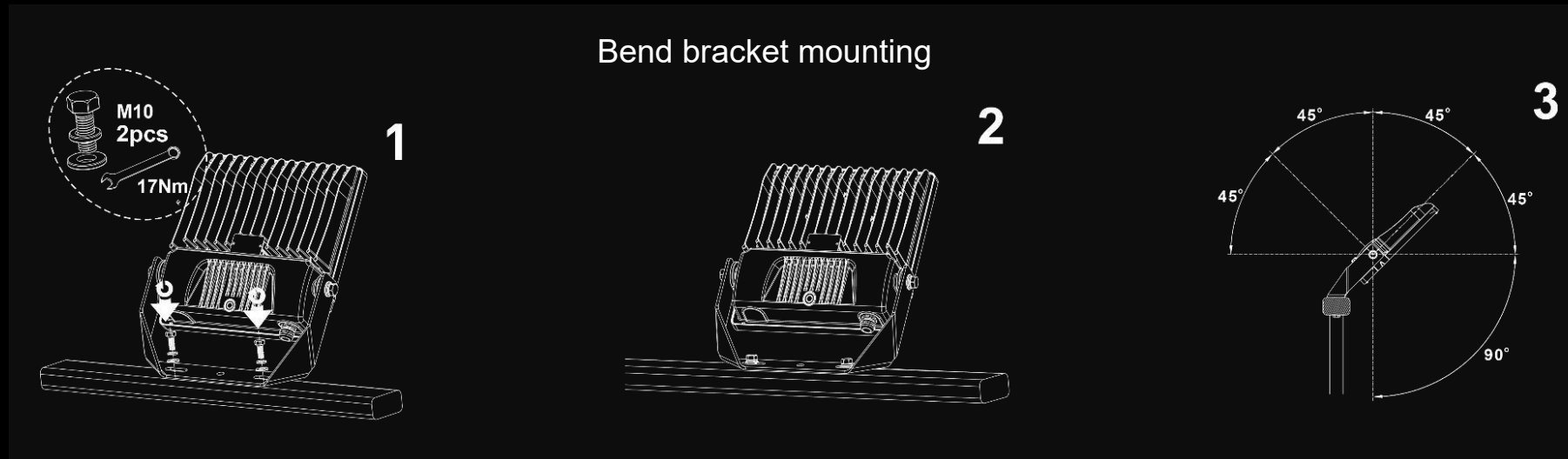
Other Common Flood Light

3X more glare.



up to **10% MORE**
LIGHT POLLUTION

Installation Diagram



Accessories



PC Lens
Replaceable



For swimming pool application, Vent
will be replaced by this seal gland



Applications

Aggressive area lighting applications

- Boat
- Transportation
- Ports
- Docking area



Special sports lighting applications

- Swimming pools (luminaire no pressure vent)
- General sports field close to the coastline
- Parking lots
- Industrial area





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THANK YOU