KIRITO



FL87 PortLume

Professional LED Flood Light for port and terminal lighting.

It is a professional lighting design for Ship-to-Shore (STS) Crane and Rubber-Tired Gantry (RTG) Crane. We don't just light up the workspace, we ensure the safety of every precise hoist through fog and storms.

- Up to 165lm/W
- IP66
- IK08
- C5 anti-corrosion
- CE
- RoHS

The Challenge of Port and Terminal Lighting

Extreme humidity, persistent salt spray corrosion, and relentless high-altitude winds. Mounted on cranes, lights must endure years of violent mechanical vibrations. Under such conditions, standard industrial lights often fail within several months. The cost of light maintenance is not just about the hardware, but involves expensive downtime and significant safety risks for the staff.

Why Arm-Mounted Lighting?

The crane boom is the most strategic lighting point. By arm-mounted lighting, we not only ensure the sufficient light for the working area below while keeping the crane's outline clearly visible from a distance. This precision placement is essential for both operational accuracy and overall safety.

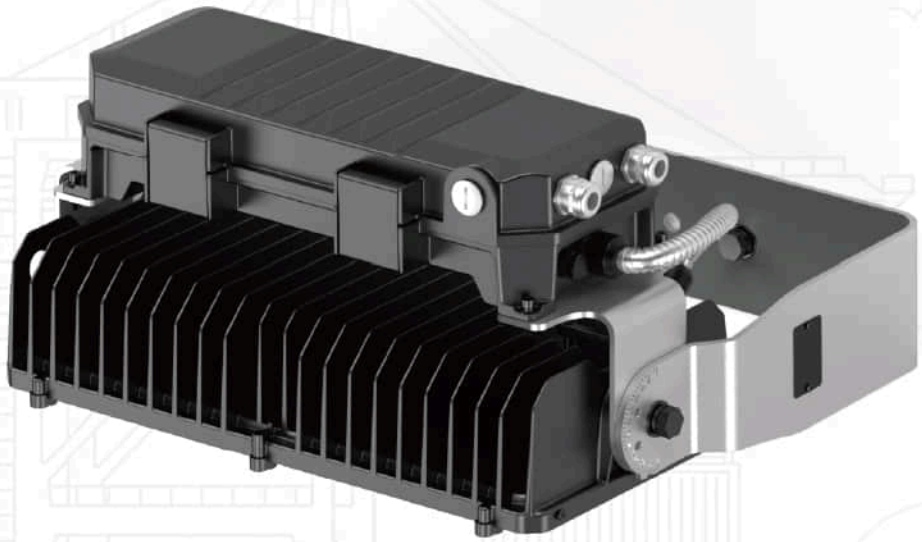


SUS316 & C5 Anti-corrosion

Crafted from SUS316 stainless steel with C5 Anti-corrosion, it resists corrosion in high-salt environments for long-term integrity.

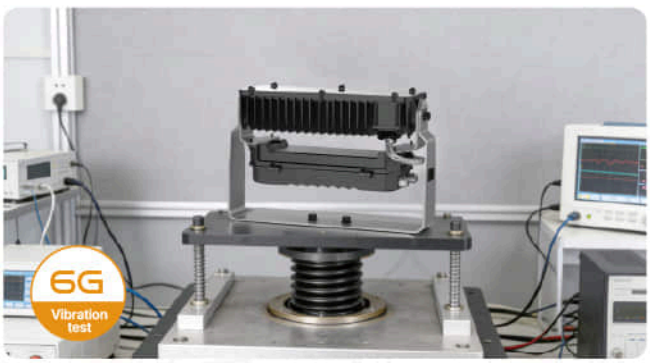






6G Vibration Resistance

The product meets 6G anti-vibration requirement; wind resistance ≥55m/s. Our locking crews ensure the beam angle stays fixed, even during the most violent mechanical shocks.



Rapid Maintenance & Safety

Junction box adopts snap-fit flip cover design for tool-free and easy maintenance. Equipped with a safety fall-arrest system to prevent any risk of falling objects.



3000K Fog Penetration

3000K warm yellow light pierces through sea fog and humidity, reducing glare and providing high visibility for operators.



Professional Optics Design

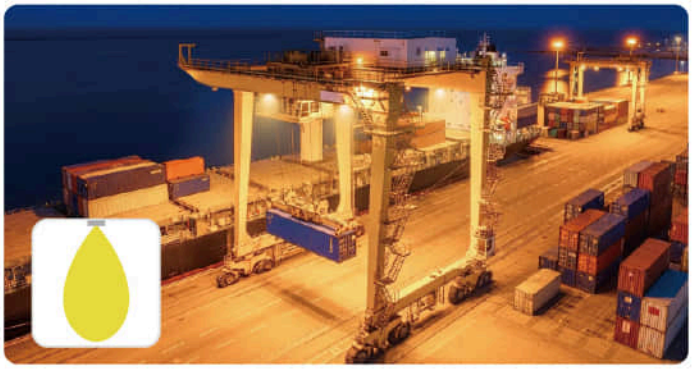
Narrow beam angle is suitable to Ship-to-Shore (STS) Crane.

STS crane arms operate at extreme heights (40–70 meters). Highly concentrated beam for long-distance projection, ensuring maximum light reaches the container twistlocks precisely.



Wide beam angle is suitable to Rubber-Tired Gantry (RTG) Crane.

RTG cranes operate at relatively lower heights but require a vast coverage area across the stack. Broad, uniform coverage to eliminate blind spots across the wide stacking area.

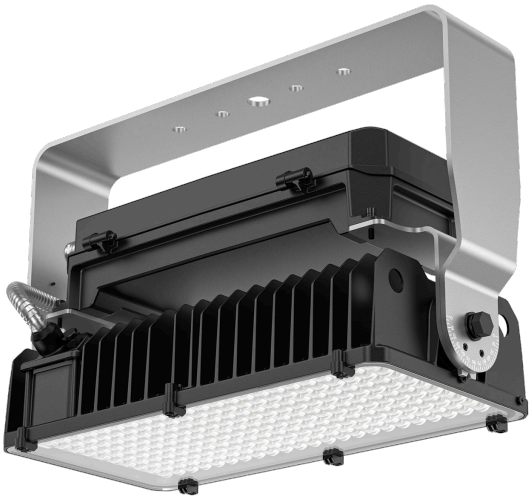


ADDITIONAL PRODUCT SPECIFICATIONS

Series Code	FL87
Power	400W, 600W
Efficacy	145lm/W, 165lm/W
Input Voltage	200-480VAC, 50 / 60 Hz
CCT	3000K, 4000K, 5000K
CRI(Ra)	70
Corrosion Class	C5
IP Rating	IP66
IK Rating	IK08
Mounting Option	Bracket Mounting
Warranty	5 Years
Operating Temperature	-30°C to + 45°C

PortLume is a professional LED floodlight designed for port and terminal lighting. Narrow beam angles are optimized for Ship-to-Shore (STS) cranes, while the wide beam angle suits Rubber-Tired Gantry (RTG) cranes. Built from SUS316 stainless steel with C5 anti-corrosion protection and compliant with 6G anti-vibration standards, PortLume withstands high-salt environments and severe mechanical shock. An optional 3000K warm CCT improves penetration through sea fog and humidity, enhancing visibility while reducing operator glare. The junction box features a snap-fit flip-cover design for tool-free maintenance.

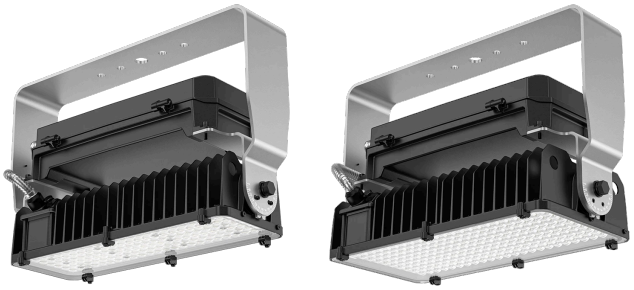
PRODUCT VIEWS



VIEW 1



VIEW 2



VIEW 3