



MASTU LUM

LED LIGHTING

01

Description

Our High Mast Lighting is specially developed for new and reformed high mast, using latest high-efficiency LED technology, from simple cases to complex illumination applications. The fully prismatic/ clear glass optics produce an overlapping light pattern in high application efficacy providing excellent uniformity & glare control resulting in awesome visibility within the space.

CE

IP66

IK08

50°C

PMMA LENS + GLASS COVER

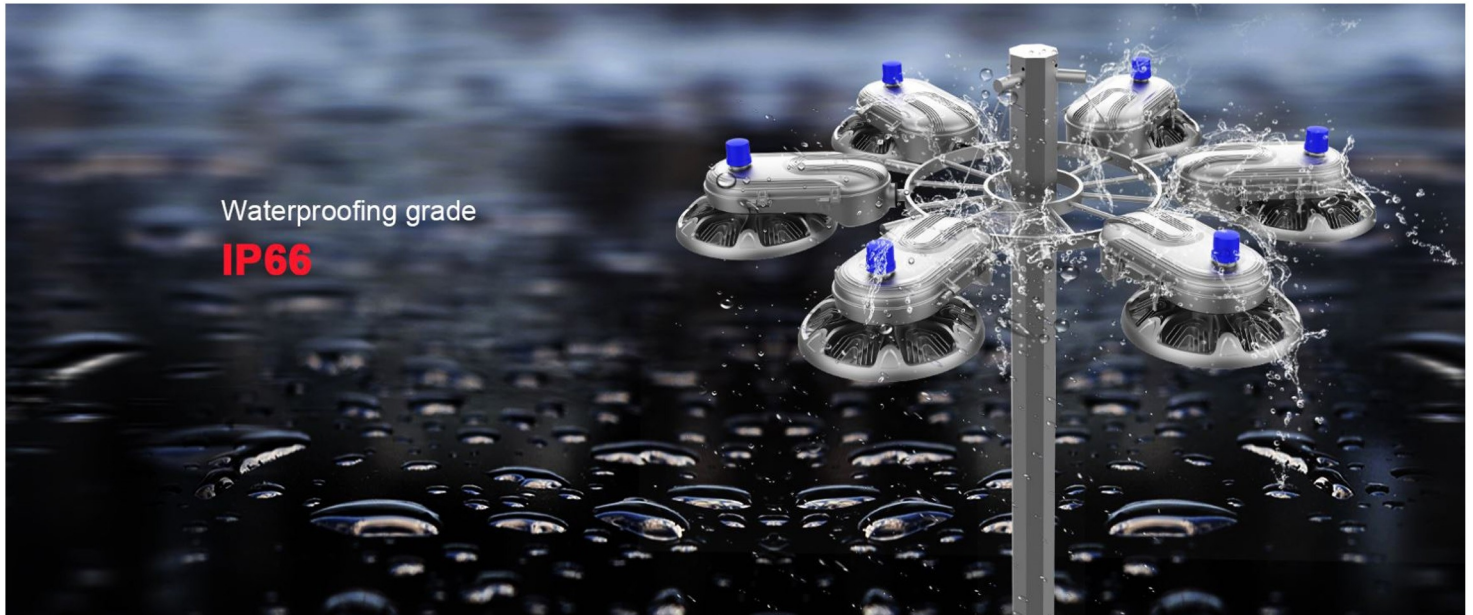
>PMMA lens is able to ensure the luminous effect, covered with tempered Glass Cover to protect the optics, also keep dust and dirt away, level of protection is IP66.

INSTALLATION METHOD

>Three mounting options for time saving installation.
>Fit for round Pole within 42-60mm.



The luminaire has narrow and wide distribution to maximize pole spacing while meeting the required foot-candle level and uniformity for the application. Performance packages range up to 97500 lumens design to meet critical levels for "high task" areas in Port, Rail Yards, Industrial, and correctional facilities.



Waterproofing grade

IP66

DESCRIPTIONS OF LIGHTING

>Combined by 3 (4/5/6/7) LED modules, and equipped with glass/PMMA lens for each module, our High Mast Light is able to converge stray light in a most efficient way. Every single module is placed in a complete ventilated aluminum housing for maximum thermal transmission. The heat sink is made up by two pieces of die-casting aluminum for thermal convection, there are two screw bolts and buckles to fix the light when assembling, and can be opened in 115 degrees.

FUNCTIONS AND ADVANTAGES

- >Lumen packages ranging from 29400 to 97500 provide one-for-one replacement of up to 1500 watt HPS.
- >Prismatic glass optics provide high application efficacy, uniformity, and glare control.
- >A choice of multiple asymmetric lighting distributions for both median mount and offset pole mounting configurations.
- >Symmetrical narrow and wide distributions to maximize system efficacy and quality of light for multiple pole spacings.
- > Long system life with driver life exceeding 100,000 hours and LED life of L82 @100,000 hours minimize maintenance costs.
- >Robust mechanical design with IP66 optics, 3G vibration rating, 4-bolt mounting, powder painting finish, passed 1000~5000Hrs salt spray test.
- >Robust extreme surge protection rating of 20kV/10KV.

ACCESSORIES (OPTIONAL)

- >Control options include 0-10V dimming, 3/5/7-pin photocell control, enabled
- >Field-adjustable output allows for zone control, accelerating your return on investment.



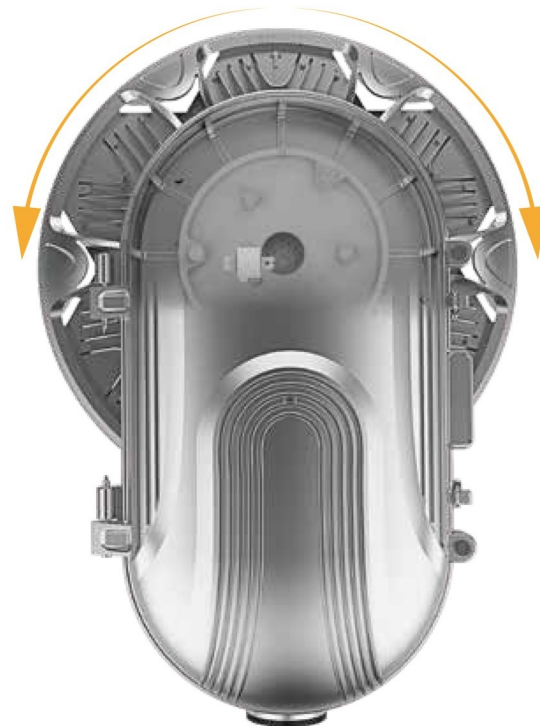
ROADWAY LIGHTING

- Port Container Facilities
- Highways
- Interchanges
- Rail Yards
- Coorectional Facilities
- Large Area Industrial
- Military Installations
- Airport
- Truck stops
- Toll Plazas



The luminaire has multiple roadway lighting distributrions designed to maximized spacing while meeting stringent requirements of IES RP8 guidelines for average, uniformity and veiling luminance. Installation costs are minimized with this direct retrofit luminaire without rewiring or changing existing luminaire arms. Asymmetric distributions are easily aimed towards the roadway with the rotatable optical assembly.

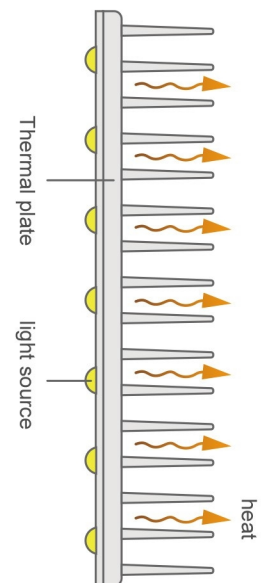
Ventilation convection housing



Rotate 0°~355°

Rotation lamp body,
adjustable light placement.

The luminaire uses a die-casting heat sink to convect/conduce heat, quickly dissipate heat, and extend the life of the LED lamp.



High Mast Roadway and Area Lighting

RAY-HP01-210W/750W

Electrical Data

Wattage	210W - 750W
Input Voltage	AC120-277V/AC277-480V
Power Frequency	50/60Hz
Power Efficiency	>90%
Power Factor	>0.9
Total Harmonic Distortion	<15%



Optical Data

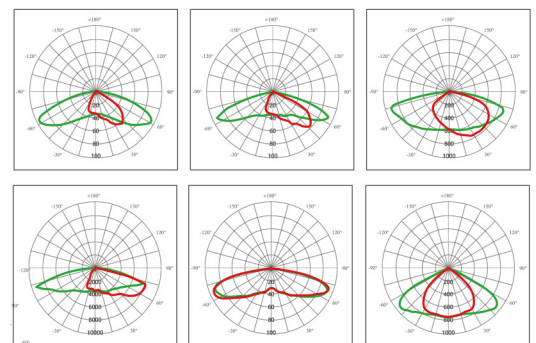
Lumen Version

LED Type	Philips/OSRAM
Efficacy	130lm/W
Luminous Flux	29400- 97500Lm
CCT	3000K/4000K/5000K/5700K
CRI	>70Ra
System Efficiency	>90%
Beam Angle	Optional
EPA	1.637ft ²

ENERGY SAVINGS

Energy Savings	60%
Maintenance Savings	60%
Service Life	>100,000Hrs

PHOTOMETRIC DIAGRAMS



Others

IP	IP66
Heat Radiator	die-cast aluminum
Net weight	24.8kg(750W)