

# MAX High Mast



## OUTDOOR SERIES



## PRODUCT OVERVIEW

The **AL TSA MAX Flood Lights** utilizes customized PHILLIPS 3030 Chipsets to provide extreme lumen output and long lasting stability. With MEAN-WELL drivers, power factor is 0.98 and it offers a wide input voltage range. Constant current and constant voltage design increase reliability over standard floodlights and by incorporating high performance thermal conductivity material for excellent heat dissipation, lower junction temperatures can be ensured.

Various beam angles available and with specific lens design, light transmittance of up to 98% is guaranteed. Absolutely flicker free for slow motion HDTV live broadcasting. With its IP66-rated design and corrosion-resistant polyester powder coating, it can withstand extreme weather conditions. Its Intelligent dimming systems are available to incorporate itself into any existing light system

Quality comes standard...



Hours  
LIFESPAN



IP66  
OUTDOOR



Low  
MAINTENANCE



Year  
WARRANTY



Product  
CERTIFICATION

| APPLICATIONS                        |                          | CONSTRUCTION DETAILS       |  |
|-------------------------------------|--------------------------|----------------------------|--|
| Stadiums Sport Fields               | Aluminium Housing        | IP66 Ingress Protection    |  |
| High Mast Lighting Light Towers     | PMMA Lens                | IK10 Impact Resistance     |  |
| Warehouses/Factories Shipping Yards | Black Finish             |                            |  |
| FEATURES                            |                          |                            |  |
| Water, Dust, Damp Proof             | Lifespan: >50, 000hrs    | Junction Temperature: 70°  |  |
| High Luminous Efficiency            | CRI 80                   | Warranty: 5 Years          |  |
| Excellent heat dissipation          | Input Voltage: 90-305VAC | Surge Protection           |  |
| Easy Installation                   | Power Factor 0.95        | Anti-Corrosion - Corrosion |  |
| Low UGR                             | Various Beam Angles      | Controlled Barrier Coating |  |

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### TECHNICAL DATA

| MODEL No.:  | VOLTAGE (V) | POWER (W) | BEAM ANGLE      | LUMEN (lm/W) | CRI | CCT (K)   | MODULE QTY |
|-------------|-------------|-----------|-----------------|--------------|-----|-----------|------------|
| MST/MH/200  | 100-277     | 200       | 25°/45°/60°/90° | 135          | >80 | 2200-6000 | 1          |
| MST/MH/360  | 100-277     | 360       | 25°/45°/60°/90° | 135          | >80 | 2200-6000 | 2          |
| MST/MH/540  | 100-277     | 540       | 25°/45°/60°/90° | 135          | >80 | 2200-6000 | 3          |
| MST/MH/720  | 100-277     | 720       | 25°/45°/60°/90° | 135          | >80 | 2200-6000 | 4          |
| MST/MH/1080 | 100-277     | 1080      | 25°/45°/60°/90° | 135          | >80 | 2200-6000 | 6          |

\* **Beam Angle:** 25° (025) / 45° (045) / 60° (060) / 90° (090)

\*\* **Colour Temperature:** 2000-3000K (02) / 4000K (04) / 6000K (06)

\*\*\* **Glare Rate:** UGR 22

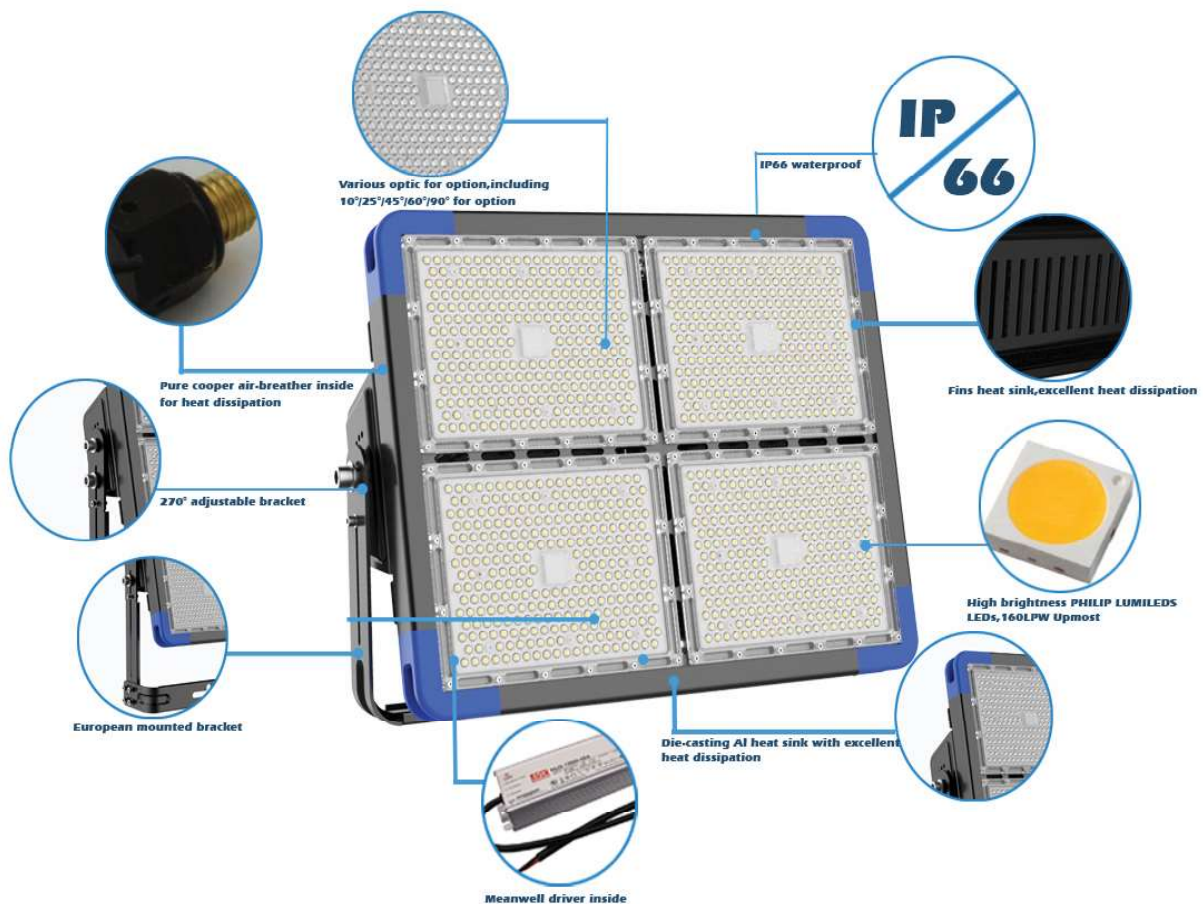
### MECHANICAL DATA

|                         |  |             |             |             |              |
|-------------------------|--|-------------|-------------|-------------|--------------|
| Lamp Description:       | Philips 3030                                       |             |             |             |              |
| Operating Temperature:  | -20°C ~ 50°C                                       |             |             |             |              |
| Housing Material:       | Aluminium With IK10 Impact Resistant Polycarbonate |             |             |             |              |
| Lens Material:          | PMMA   |             |             |             |              |
| Housing Finish:         | Black With Die Casting and Heat Sink Protection    |             |             |             |              |
| IP Rating:              | IP66   |             |             |             |              |
| Mounting Configuration: | Surface/Suspended                                  |             |             |             |              |
| Wattage:                | <b>200W</b>  | <b>360W</b> | <b>540W</b> | <b>720W</b> | <b>1080W</b> |
| Sizes:                  | 300x250x120  | 460x300x150 | 670x300x151 | 560x460x150 | 670x560x200  |

### ELECTRICAL DATA

| FEATURES               |                                |                |
|------------------------|--------------------------------|----------------|
| Driver:                | Turefull/Meanwell              | EMC Applicable |
| Electrical Class:      | Class 1                        | DALI Control   |
| Nominal Voltage Range: | 100 - 277 VAC                  | 1-10V Control  |
| Power Factor:          | >0.95                          |                |
| THD:                   | 12%                            |                |
| Surge Protection:      | Standard 1000V- Optional 3000V |                |
| Photocell:             | External                       |                |

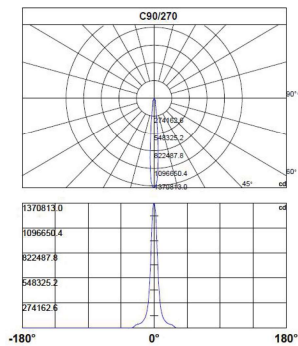
## MAX High Mast



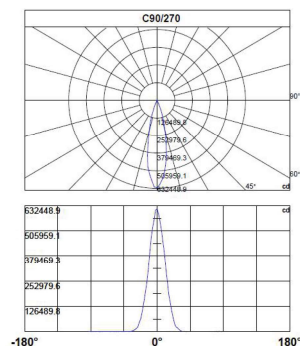
# MAX High Mast

## ILLUMINATION DATA

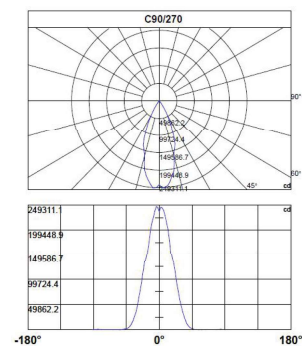
**10 Degree**



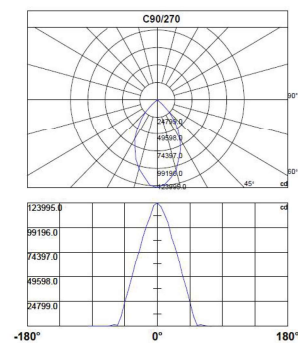
**25 Degree**



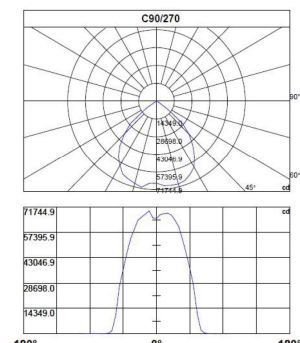
**45 Degree**



**60 Degree**



**90 Degree**



## MOUNTING DATA

