

# R350 SERIES SPECIFICATION

## LED Sports lighting

We provide professional sports lighting solutions  
500W/600W

- Unrivald efficacy 160 lm/W
- Advanced optical design enabling cost efficient, 1 on 1 replacement for HID flood light
- Outstanding cooling technology and durability
- Excellent light distribution and minimized glare
- 20KV surge protection and IP66 pretection grade, fearless of thunderstorm weather



| POWER RANGE | LIGHT CONTROL                                     | STRUCTURE DESIGN                                                                                | Safety                                                                                                          |
|-------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 500W-600W   | Advanced optical design, high light transmittance | Quick adjustment of installation angle, high thermal conductive radiator, air convection design | Low EPA, wind resistance 60m/s; Super toughness bracket; Safety rope design, IP66 rated, 20KV Surge Protection. |

| ORDERING INFORMATION |                        |                                                                    |                            |                                                   |                                              |                                    |                           |
|----------------------|------------------------|--------------------------------------------------------------------|----------------------------|---------------------------------------------------|----------------------------------------------|------------------------------------|---------------------------|
| SERIES               | WATTS                  | CCT                                                                | CRI                        | OPTICS                                            | DIMMING                                      | HIGH VOLTAGE(H)/LOW VOLTAGE(L)     | COLOR                     |
| R350                 | 05   500W<br>06   600W | 30   3000K<br>40   4000K<br>50   5000K<br>57   5700K<br>65   6500K | A   70<br>M   80<br>H   90 | 12   12°<br>25   25°<br>45   45°<br>50   50°*125° | N   None<br>D   0-10V<br>A   DALI<br>X   DMX | L   100-277V AC<br>H   200-480V AC | S   Silvery<br>C   Custom |

Example : R5801057A12NLG  
Standard 80 CRI  
Custom color require additional cost and lead time

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### SPECIFICATIONS

Lifespan | >80,000 hours  
Color Rendering Index (CRI) | >70/80/90  
LED Qty | SMT 180PCS  
Input Line Voltage | 100-277 / 200-480 VAC  
Input Line Frequency | 50/60 Hz  
Power Factor | >0.97%  
Surge Protection | 20KV  
THD | <20%  
IP Rating | IP66  
Operating Temp | -40°C - +60°C  
Relative Humidity | 0-90% RH  
EPA & Weight | See Chart 1

### MATERIALS

Housing | ADC12  
Radiator | Air convection radiators  
Bracket | Galvanized Steel  
Lens | PC Optical Lens  
Surface | Outdoor Powder Spraying / galvanized  
Salt Spray Test | 1000 H,ASTM B117

### CERTIFICATIONS

ETL | UL1598  
DLC | DLC V5.1  
SAA | AS/NZS 60598.1,AS/NZS 60598.2.5  
CE | EN60598-1,EN60598-2-5,EN62471,EN55015,EN61547,EN61000-3-3/3  
CB | IEC60598-1,IEC60598-2-5  
FCC | Part 15B

### EPA & Weight

|        | 500W                  | 600W                  |
|--------|-----------------------|-----------------------|
| EPA    | 1.45 sq.ft            | 1.45 sq.ft            |
| Weight | 27.6 lbs.<br>(12.5kg) | 27.6 lbs.<br>(12.5kg) |

( Chart 1 )

### IMPACT BETWEEN AMBIENT TEMPERATURE AND POWER

| Type      | LIFE<br>L80B10<br>Ta=25°C | led color | Flux<br>(lm)<br>+ / _ 7% | W<br>+ / _ 10% | outdoor<br>← | indoor<br>→ | outdoor<br>← | KG     |
|-----------|---------------------------|-----------|--------------------------|----------------|--------------|-------------|--------------|--------|
| R350-500W | 80000 h                   | A57       | 81500                    | 500            | 15°C         | 15°C        | -40°C        | 12.5KG |
| R350-500W | 80000 h                   | A57       | 81500                    | 500            | 25°C         | 25°C        | -40°C        | 12.5KG |
| R350-500W | 80000 h                   | A57       | 81500                    | 500            | 35°C         | 35°C        | -40°C        | 12.5KG |
| R350-500W | 80000 h                   | A57       | 81500                    | 500            | 45°C         | -           | -40°C        | 12.5KG |
| R350-500W | 80000 h                   | A57       | 77900                    | 475            | 50°C         | 45°C        | -40°C        | 12.5KG |
| R350-500W | 80000 h                   | A57       | 74250                    | 450            | 55°C         | 50°C        | -40°C        | 12.5KG |
| R350-500W | 80000 h                   | A57       | 58100                    | 350            | 60°C         | 55°C        | -40°C        | 12.5KG |
| R350-600W | 80000 h                   | A57       | 97800                    | 600            | 15°C         | 15°C        | -40°C        | 12.5KG |
| R350-600W | 80000 h                   | A57       | 97800                    | 600            | 25°C         | 25°C        | -40°C        | 12.5KG |
| R350-600W | 80000 h                   | A57       | 97800                    | 600            | 35°C         | 35°C        | -40°C        | 12.5KG |
| R350-600W | 80000 h                   | A57       | 97800                    | 600            | 45°C         | -           | -40°C        | 12.5KG |
| R350-600W | 80000 h                   | A57       | 93195                    | 570            | 50°C         | 45°C        | -40°C        | 12.5KG |
| R350-600W | 80000 h                   | A57       | 88560                    | 540            | 55°C         | 50°C        | -40°C        | 12.5KG |
| R350-600W | 80000 h                   | A57       | 69300                    | 420            | 60°C         | 55°C        | -40°C        | 12.5KG |

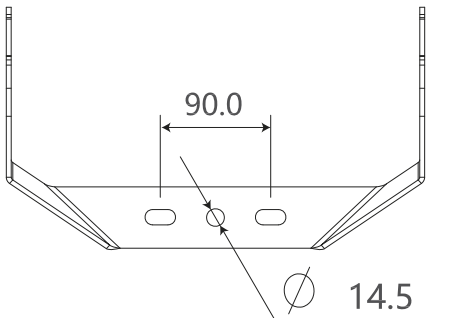
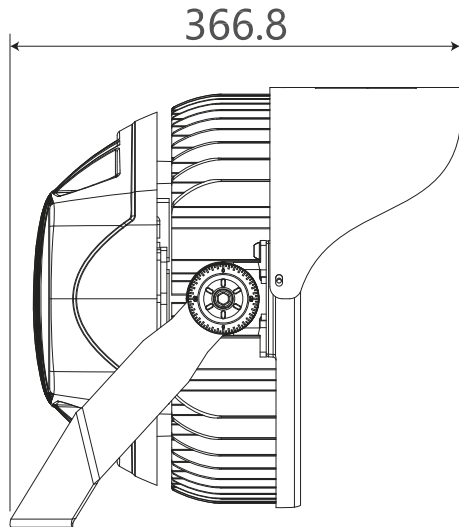
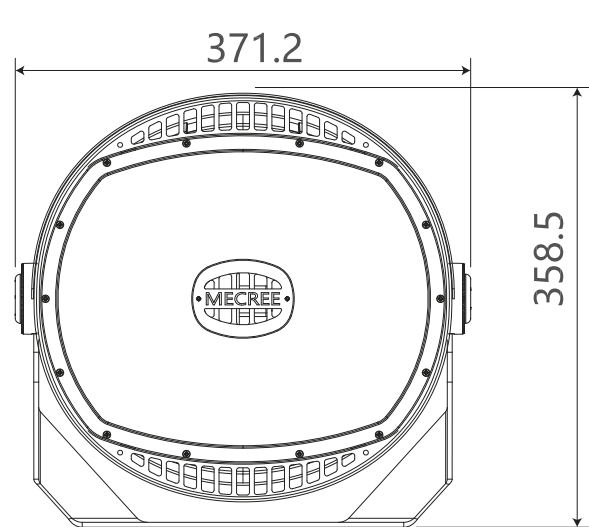
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### PRODUCT



R350: 500W / 600W

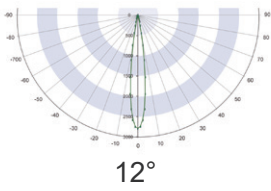
### PRODUCT DRAWINGS



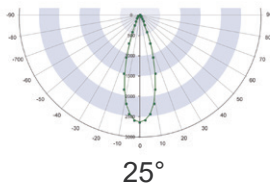
### LUMEN

| LUMEN CHART |     |         |         |         |         |
|-------------|-----|---------|---------|---------|---------|
| WATTS       | CCT | 3000K   | 4000K   | 5000K   | 6500K   |
| 500W        |     | 80500lm | 80750lm | 81000lm | 81500lm |
| 600W        |     | 96600lm | 96900lm | 97200lm | 97800lm |

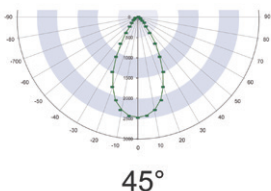
### OPTICS



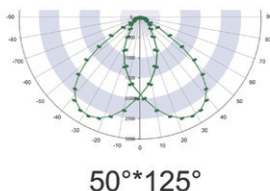
12°



25°



45°



50°\*125°

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