



# **HM II SERIES**

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## **SQUARE SPORT LIGHT**

## INTRODUCTION

The FGE-HM II Series Square Sport Light is designed for stadiums, airports, ports, and large outdoor areas that demand high-output, reliable, and uniform illumination. Featuring premium LED chips and precision optical lenses, it achieves up to 160 lm/W, delivering bright, glare-controlled lighting suitable for professional sports and large-scale outdoor lighting applications.

Its heavy-duty die-cast aluminum housing ensures outstanding heat dissipation, corrosion resistance, and long-term stability, with IP66 & IK08 protection ratings for dependable operation under harsh weather and environmental conditions. The modular design allows for easy maintenance and flexible wattage combinations to meet different project requirements.

Optional DALI / 0-10V dimming, anti-glare visors, and various mounting options (bracket, pole, or wall), the HM II Series provides excellent adaptability for sports venues and architectural floodlighting. With a 100,000-hour lifetime and 5/7/10-year warranty, it delivers a powerful, energy-efficient, and durable lighting solution for modern large-area illumination.



## FEATURES



160lm/w

**High Efficacy & Energy Saving:** Up to 160 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



0-10V  
DIMMABLE

**Smart Control Ready:** Compatible with 0-10V/DALI dimming, optional microwave/infrared sensor, and emergency kit.



10KV

**10KV Surge Protection:** Enhanced surge protection ensures long-term reliability and safety.



**Various Optical Lens Options:** Flexible lens options optimize lighting for diverse environments.



QUICK & EASY

**Easy Installation and Maintenance:**

Reduce installation time and maintenance labor, effectively lowering overall operational costs.



**Laser Aiming Device Options:** Ensures quick and accurate light alignment during installation.

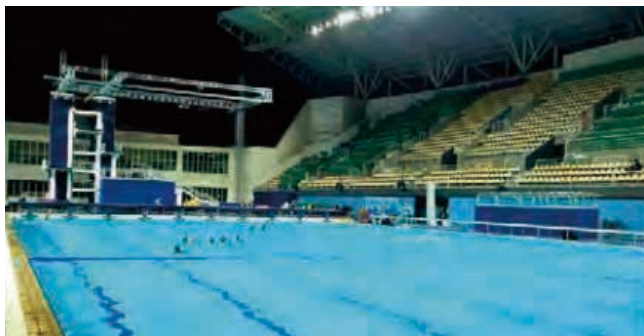


RELIABLE  
WARRANTY

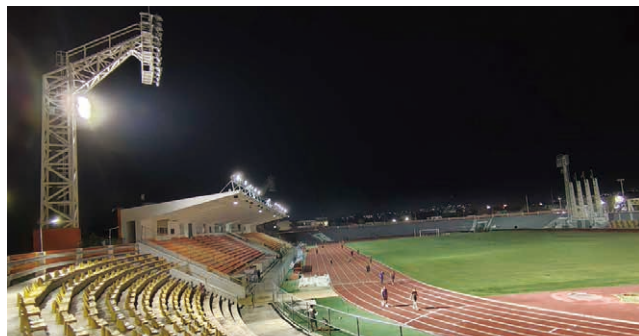
**Reliable Warranty:** 5/7/10 Years Warranty Options.

- **Advanced Optical Design:**  
High-transmittance PC lens with 18°/30°/45°/60°/56° or 10°/15°/20°/30°/60° beam options, ensuring uniform illumination and glare reduction.
- **Robust Protection:**  
IP66 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.
- **Superior Thermal Management:**  
Die-cast aluminum housing with optimized heat sink for reliable performance.
- **Wide Input Voltage:**  
AC120-277V / AC277-480V, suitable for global power grids.

## APPLICATIONS



**Stadium:** Provide superior visibility and uniform light distribution ensure consistent brightness across the entire field, eliminating glare and shadow areas that affect athlete performance and referee judgment.



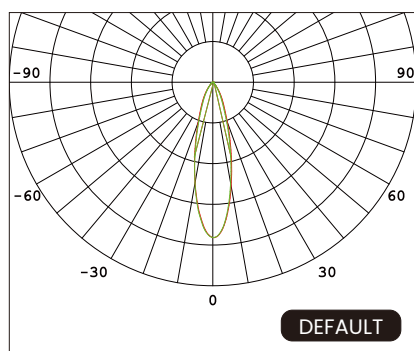
**Sports Field:** Expertly suited for high mast lighting systems, offer superior luminous efficacy and an optimized wide beam angle, effectively ensuring uniform light coverage across expansive sports field spaces, eliminating dark spots and enhancing overall visibility for night-time competitions and training.

## TECHNICAL PARAMETERS

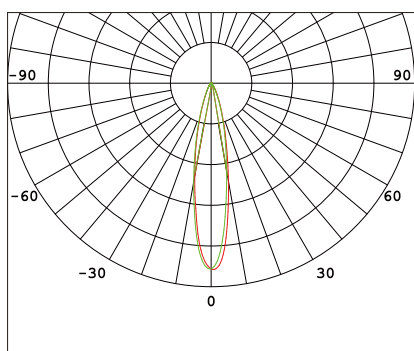
| Product Model                 | HMII-400W                   | HMII-600W                   | HMII-800W                   | HMII-1200W                  | HMII-1500W                  | HMII-1800W                  |
|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| <b>Electrical Performance</b> |                             |                             |                             |                             |                             |                             |
| Wattage                       | 400W/300W/200W              | 600W/500W/400W              | 800W/700W/600W              | 1200W/1000W/800W            | 1500W                       | 1800W                       |
| Input Voltage                 | AC120-277V/200-480V         | AC120-277V/200-480V         | AC120-277V/200-480V         | AC120-277V/200-480V         | AC200-480V                  | AC200-480V                  |
| Frequency                     | 50/60Hz                     | 50/60Hz                     | 50/60Hz                     | 50/60Hz                     | 50/60Hz                     | 50/60Hz                     |
| Power Factor (PF)             | >0.95                       | >0.95                       | >0.95                       | >0.95                       | >0.9                        | >0.9                        |
| Surge Protection              | 10KV                        | 10KV                        | 10KV                        | 10KV                        | 10KV                        | 10KV                        |
| THD                           | <20%@277V                   | <20%@277V                   | <20%@277V                   | <20%@277V                   | <20%                        | <20%                        |
| <b>Optical Performance</b>    |                             |                             |                             |                             |                             |                             |
| Luminous Efficacy             | 160lm/W                     | 160lm/W                     | 160lm/W                     | 160lm/W                     | 170lm/W                     | 165lm/W                     |
| Luminous Flux                 | 64000/48000/32000lm         | 96000/80000/64000lm         | 128000/112000/96000lm       | 192000/160000/128000lm      | 255000lm                    | 297000lm                    |
| CCT                           | 2700-5700K Options          | 2700-5700K Options          | 2700-5700K Options          | 2700-5700K Options          | 2700-5700K Options          | 2700-5700K Options          |
| CRI                           | Ra>70                       | Ra>70                       | Ra>70                       | Ra>70                       | Ra>70                       | Ra>70                       |
| Beam Angle                    | 18°/30°/45°/60°/56°         | 18°/30°/45°/60°/56°         | 18°/30°/45°/60°/56°         | 18°/30°/45°/60°/56°         | 10°/15°/20°/30°/60°         | 10°/15°/20°/30°/60°         |
| Unified Glare Rating (UGR)    | <28                         | <28                         | <28                         | <28                         | <28                         | <28                         |
| <b>Reliability</b>            |                             |                             |                             |                             |                             |                             |
| Lifetime                      | >100,000h                   | >100,000h                   | >100,000h                   | >100,000h                   | >100,000h                   | >100,000h                   |
| Operating Temperature         | -30 ~ +50°C                 | -30 ~ +50°C                 | -30 ~ +50°C                 | -30 ~ +50°C                 | -30 ~ +50°C                 | -30 ~ +50°C                 |
| Storage Temperature           | -40 ~ +70°C                 | -40 ~ +70°C                 | -40 ~ +70°C                 | -40 ~ +70°C                 | -40 ~ +70°C                 | -40 ~ +70°C                 |
| Ingress Protection            | IP66                        | IP66                        | IP66                        | IP66                        | IP66                        | IP66                        |
| Impact Resistance             | IK08                        | IK08                        | IK08                        | IK08                        | IK08                        | IK08                        |
| <b>Control</b>                |                             |                             |                             |                             |                             |                             |
| Dimming                       | 0-10V Dimming               | 0-10V Dimming               | 0-10V Dimming               | 0-10V Dimming               | 0-10V Dimming               | 0-10V Dimming               |
| Sensor                        | -                           | -                           | -                           | -                           | -                           | -                           |
| Communication Protocol        | -                           | -                           | -                           | -                           | -                           | -                           |
| Emergency Kit                 | -                           | -                           | -                           | -                           | -                           | -                           |
| <b>Mechanical</b>             |                             |                             |                             |                             |                             |                             |
| Housing Material              | Aluminum Alloy              | Aluminum Alloy              | Aluminum Alloy              | Aluminum Alloy              | Aluminum Alloy              | Aluminum Alloy              |
| Lens Material                 | Anti-UV PC Optical Material | Anti-UV PC Optical Material | Anti-UV PC Optical Material | Anti-UV PC Optical Material | Anti-UV PC Optical Material | Anti-UV PC Optical Material |
| Coating                       | Gray                        | Gray                        | Gray                        | Gray                        | Gray                        | Gray                        |
| Net Weight                    | 8.80kg                      | 11.30kg                     | 17.10kg                     | 22.70kg                     | 22.00kg                     | 22.00kg                     |
| Dimensions                    | 365x327x230mm               | 365x491x230mm               | 698x330x243mm               | 698x494x243mm               | 681x352x718mm               | 681x352x718mm               |
| Warranty                      | 5/7/10 Years                | 5/7/10 Years                | 5/7/10 Years                | 5/7/10 Years                | 5/7/10 Years                | 5/7/10 Years                |

## PHOTOMETRICS

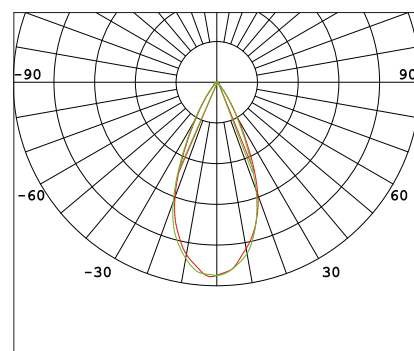
### 400W, 600W, 800W, 1200W



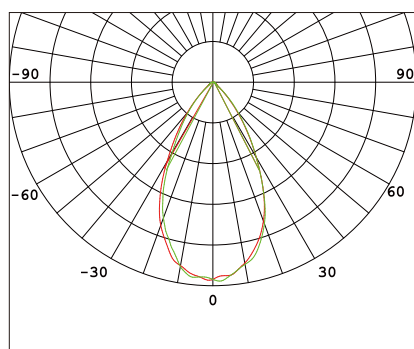
30°



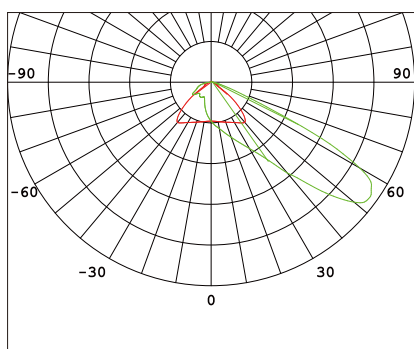
18°



45°

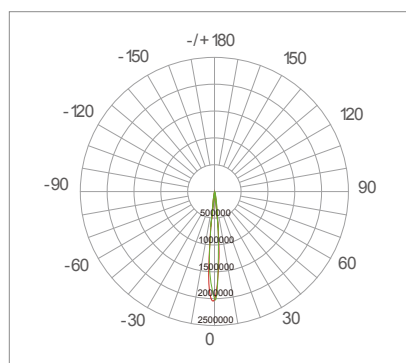


60°

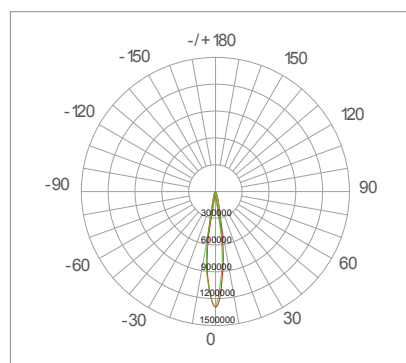


56°

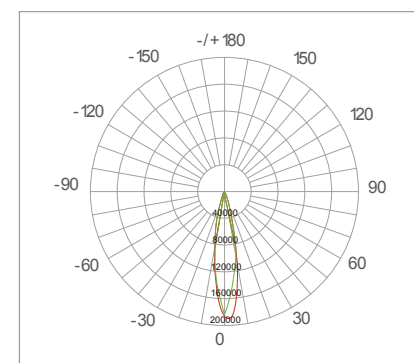
### 1500W, 1800W



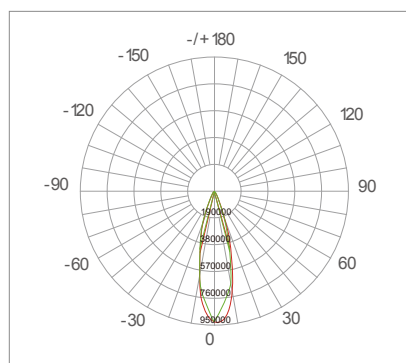
10°



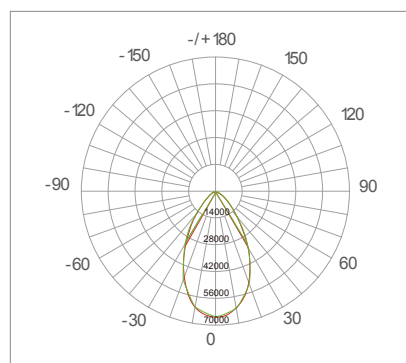
15°



20°

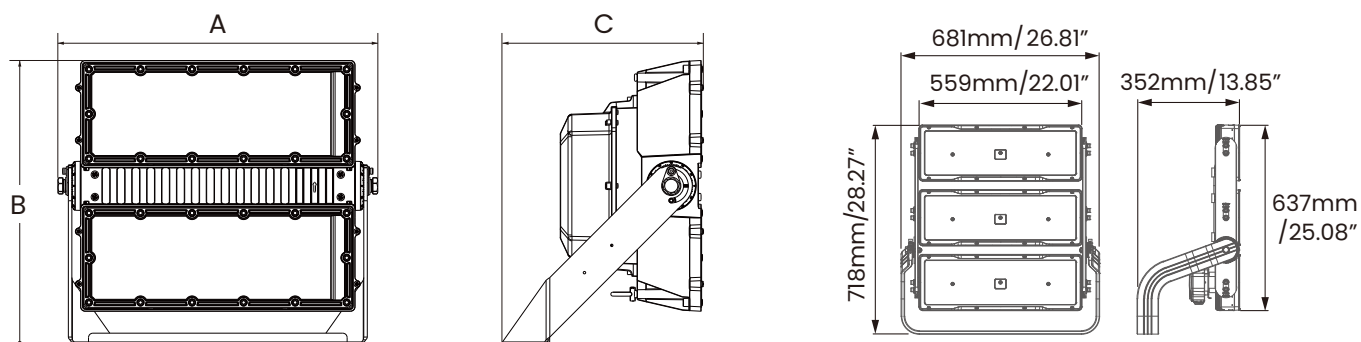


30°



60°

## MECHANICAL DIMENSIONS



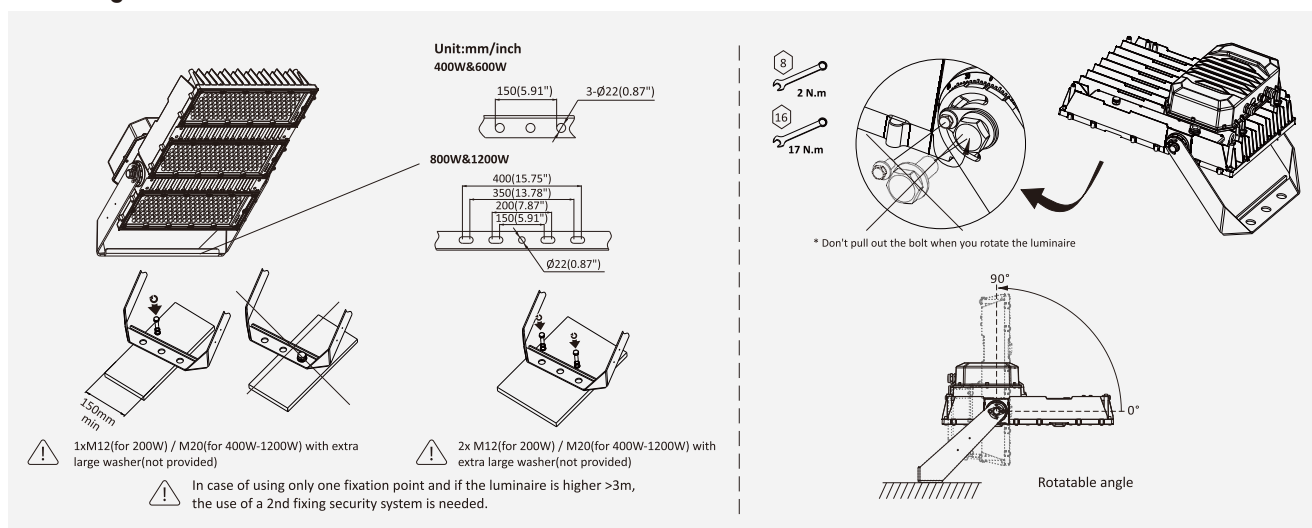
400W 600W 800W 1200W

1500W 1800W

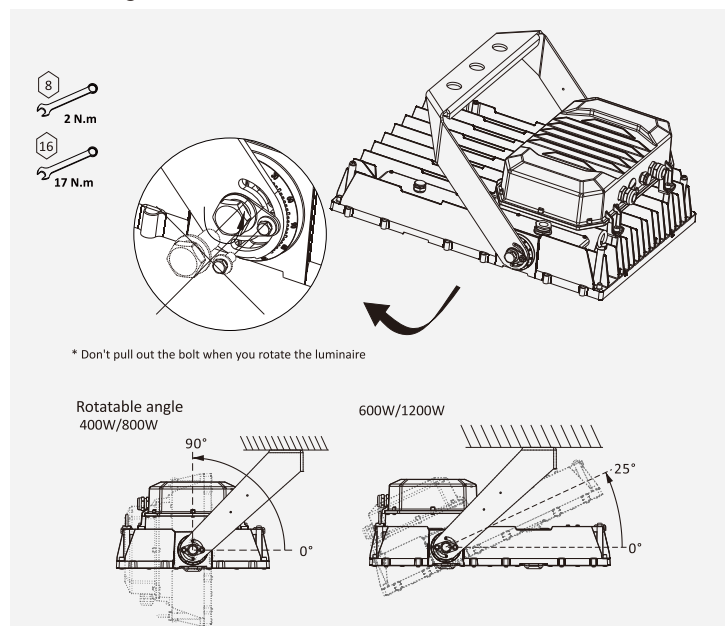
| Product Model     | HMII-400W                              | HMII-600W                              | HMII-800W                              | HMII-1200W                             | HMII-1500W                                | HMII-1800W                                |
|-------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|-------------------------------------------|-------------------------------------------|
| Wattage           | 400W/300W/200W                         | 600W/500W/400W                         | 800W/700W/600W                         | 1200W/1000W/800W                       | 1500W                                     | 1800W                                     |
| Outer box (A*B*C) | 460x425x200mm<br>(18.11'x16.73'x7.87') | 540x425x200mm<br>(21.26'x16.73'x7.87') | 770x475x200mm<br>(30.31'x18.70'x7.87') | 775x555x200mm<br>(30.51'x21.85'x7.87') | 681x352x718mmmm<br>(26.81'x13.85'x28.27') | 681x352x718mmmm<br>(26.81'x13.85'x28.27') |
| Q'ty/Ctn          | 1pc                                    | 1pc                                    | 1pc                                    | 1pc                                    | 1pc                                       | 1pc                                       |
| N.W./Ctn          | 8.80kg/19.40lbs                        | 11.30kg/24.90lbs                       | 17.10kg/37.70lbs                       | 22.70kg/50.00lbs                       | 22.00kg/48.50lbs                          | 22.00kg/48.50lbs                          |
| G.W./Ctn          | 9.90kg/21.80lbs                        | 12.60kg/27.80lbs                       | 18.80kg/41.40lbs                       | 24.90kg/54.90lbs                       | 22.20kg/48.94lbs                          | 22.20kg/48.94lbs                          |
| Remarks           | 0.3M cable                             | 0.3M cable                             | 0.3M cable                             | 0.3M cable                             | 0.3M cable                                | 0.3M cable                                |

## INSTALLATION

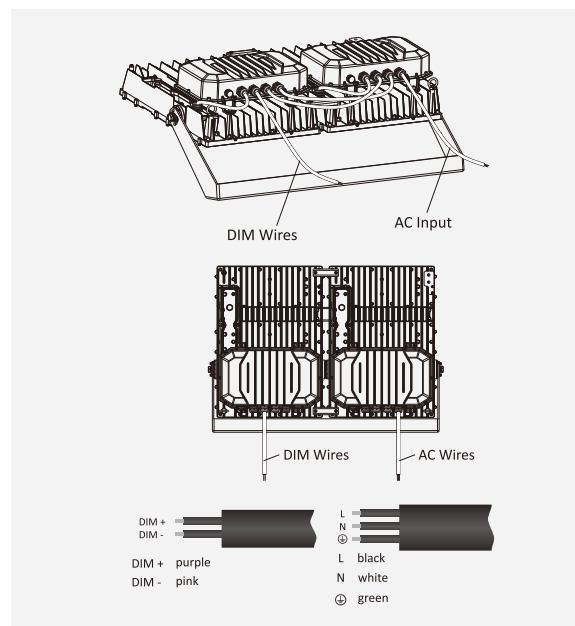
### Over-slung Installation



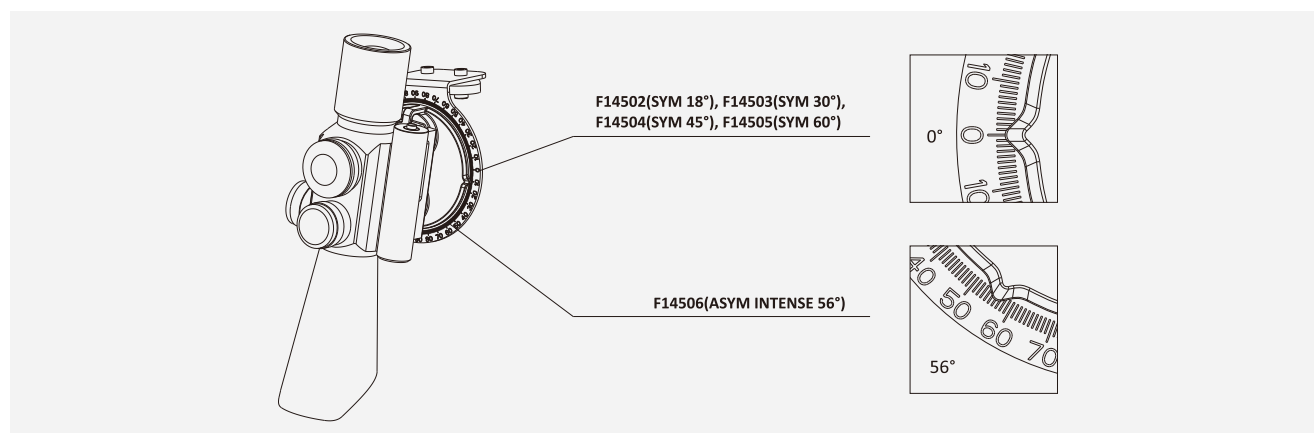
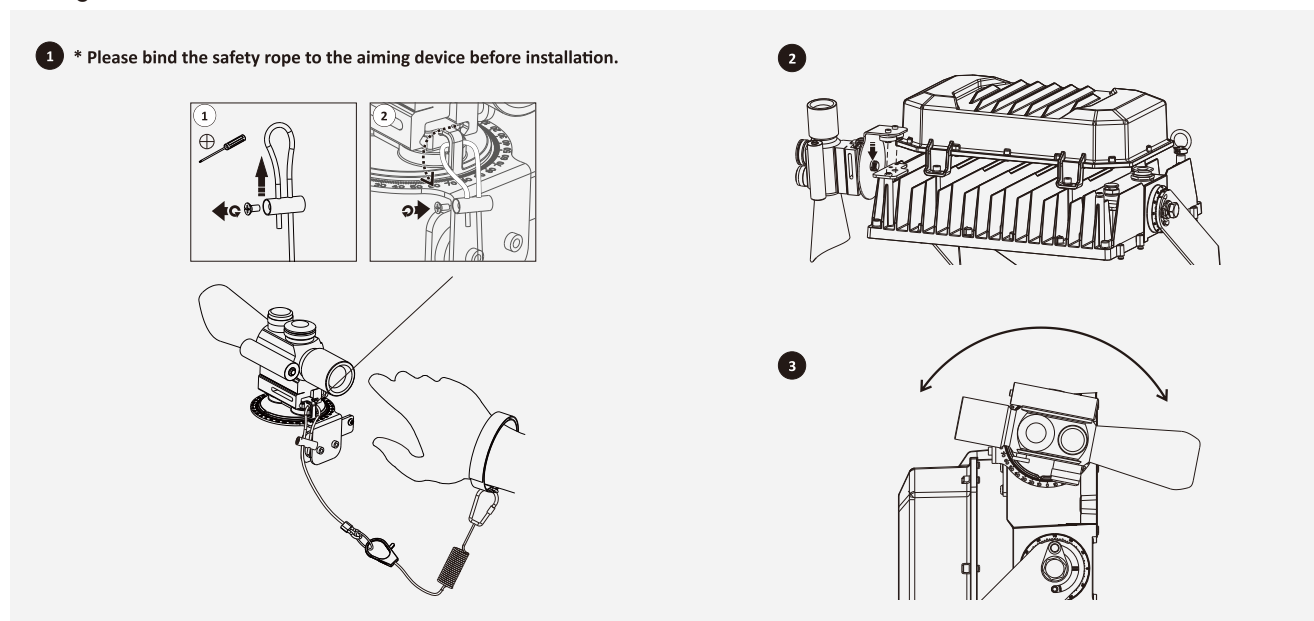
## Underslung Installation



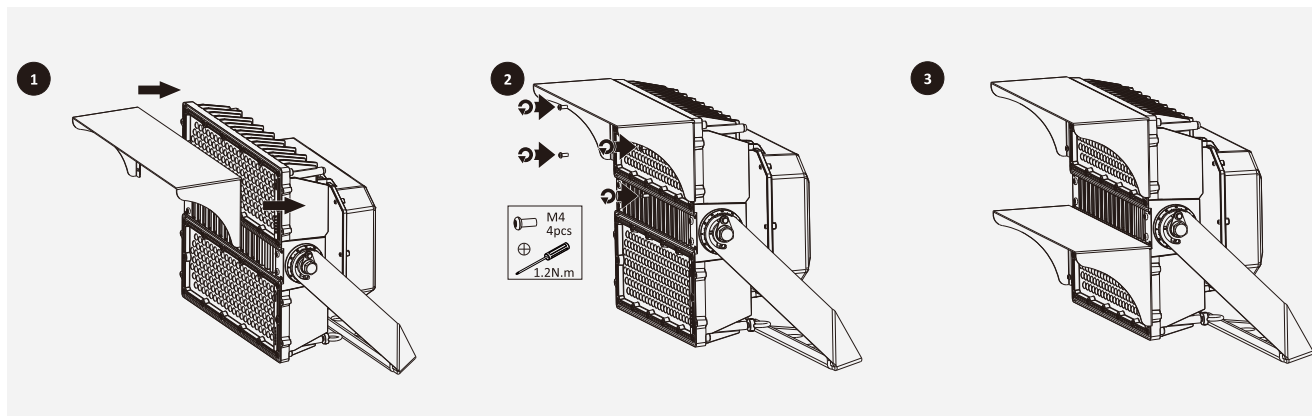
## Electrical Connection



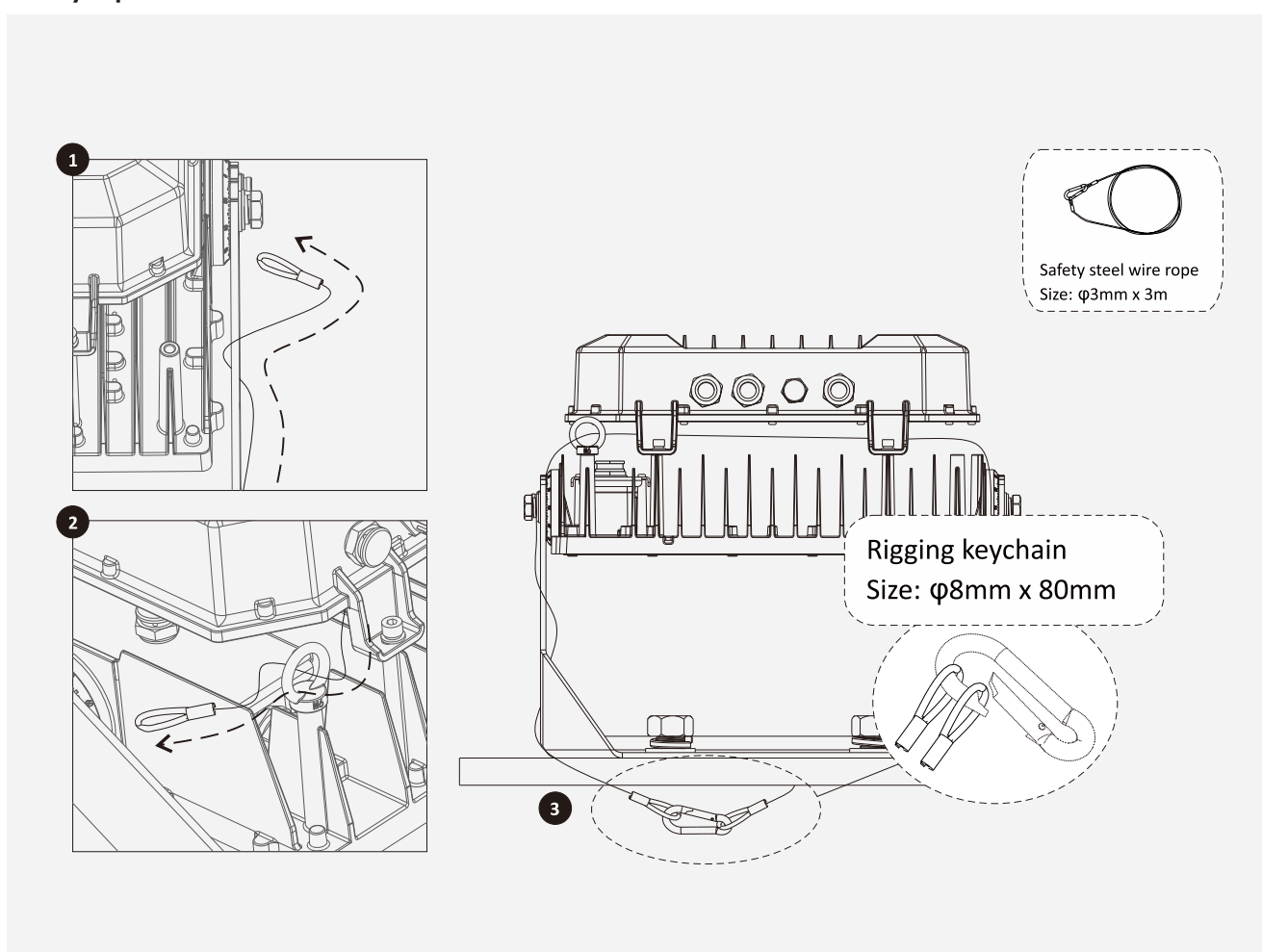
## Aiming Device Mount



## Visor Mount



## Safety Rope Mount



## ACCESSORIES



Precision Aiming Device



Bracket Mounting



Visor for 18°, 30°, 45°, 60°



Visor for 56°

## ORDER INFORMATION

**HMII-YY-YY-YY-Y**

1 2 3 4 5 6 7 8

### 1 HM II Series Square Sport Light

#### 2 Wattage

|       |                  |
|-------|------------------|
| 400W  | 400W/300W/200W   |
| 600W  | 600W/500W/400W   |
| 800W  | 800W/700W/600W   |
| 1200W | 1200W/1000W/800W |
| 1500W | 1500W            |
| 1800W | 1800W            |

#### 3 Color Temperature

|     |       |
|-----|-------|
| 27K | 2700K |
| 30K | 3000K |
| 35K | 3500K |
| 40K | 4000K |
| 50K | 5000K |
| 57K | 5700K |

#### 4 Voltage

|         |                                                    |
|---------|----------------------------------------------------|
| (Blank) | 120-277V for 400W-1200W<br>200-480V for 1500-1800W |
| H       | 277-480V                                           |

#### 5 Dimmable

|   |               |
|---|---------------|
| D | 0-10V Dimming |
|---|---------------|

#### 6 Optics

|    |     |
|----|-----|
| 10 | 10° |
| 15 | 15° |
| 20 | 20° |
| 18 | 18° |
| 30 | 30° |
| 45 | 45° |
| 56 | 56° |
| 60 | 60° |

#### 7 Control

|         |                |
|---------|----------------|
| (Blank) | No Socket      |
| S       | Sensor Socket  |
| C       | Control Module |

#### 8 Options

|         |            |
|---------|------------|
| (Blank) | With Visor |
|---------|------------|



WARRANTY PERIOD  
**5/7/10 YEARS**  
WARRANTY OPTIONS



WARRANTY COVERAGE  
**LED LIGHT SOURCE,  
DRIVER**



AFTER-SALES  
SERVICE COMMITMENT  
**24H RESPONSE**



AFTER-SALES  
SERVICE COMMITMENT  
**72H RESOLUTION/REPLACEMENT**