



HM II SERIES

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° beam options, ensuring uniform illumination and glare reduction.

- Robust Protection:

IP66 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

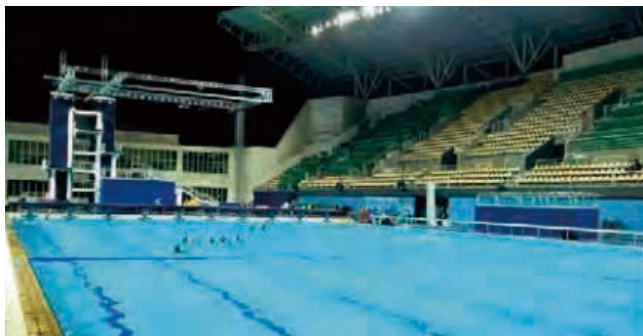
- Superior Thermal Management:

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.

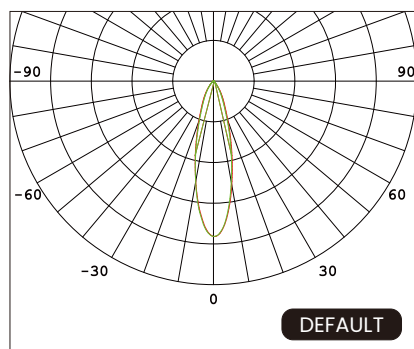


Parking Lot: Expertly suited for high mast lighting systems, offer superior luminous efficacy and an optimized wide beam angle , effectively ensuring uniform light coverage across expansive parking lot spaces, eliminating dark spots and enhancing overall visibility.

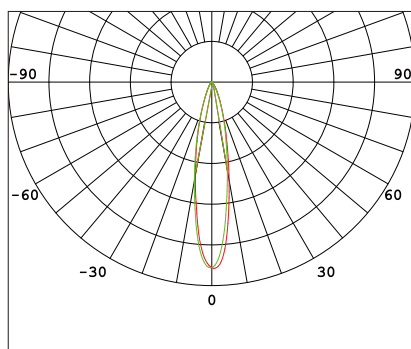
TECHNICAL PARAMETERS

Product Model	HMII-400W	HMII-600W	HMII-800W	HMII-1200W
Electrical Performance				
Wattage Selectable	400W/300W/200W	600W/500W/400W	800W/700W/600W	1200W/1000W/800W
Input Voltage	AC120-277V/200-480V	AC120-277V/200-480V	AC120-277V/200-480V	AC120-277V/200-480V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.95	>0.95	>0.95	>0.95
Surge Protection	10KV	10KV	10KV	10KV
THD	<20%@277V	<20%@277V	<20%@277V	<20%@277V
Optical Performance				
Luminous Efficacy	160lm/W	160lm/W	160lm/W	160lm/W
Luminous Flux	64000/48000/32000lm	96000/80000/64000lm	128000/112000/96000lm	192000/160000/128000lm
CCT	5000K	5000K	5000K	5000K
CRI	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°
Unified Glare Rating (UGR)	<28	<28	<28	<28
Reliability				
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-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
Ingress Protection	IP66	IP66	IP66	IP66
Impact Resistance	IK08	IK08	IK08	IK08
Control				
Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming
Sensor	-	-	-	-
Communication Protocol	-	-	-	-
Emergency Kit	-	-	-	-
Mechanical				
Housing Material	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
Coating	Gray	Gray	Gray	Gray
Net Weight	8.80kg	11.30kg	17.10kg	22.70kg
Dimensions	365x327x230mm	365x491x230mm	698x330x243mm	698x494x243mm
Warranty	5/7/10 Years	5/7/10 Years	5/7/10 Years	5/7/10 Years

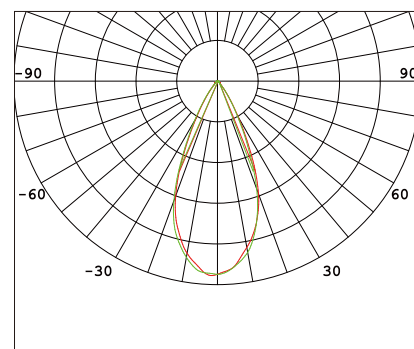
PHOTOMETRICS



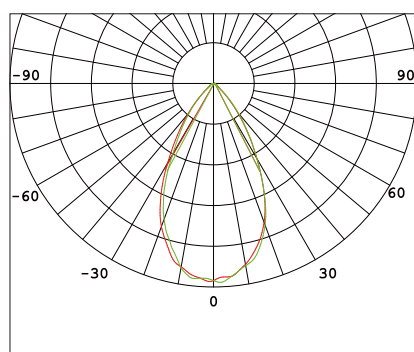
Symmetrical 30°



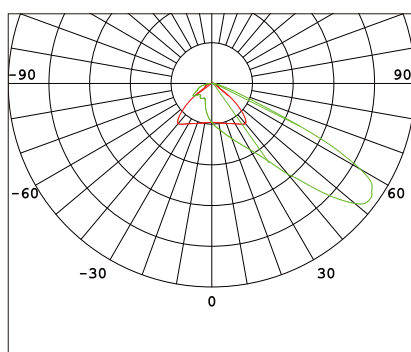
Symmetrical 18°



Symmetrical 45°

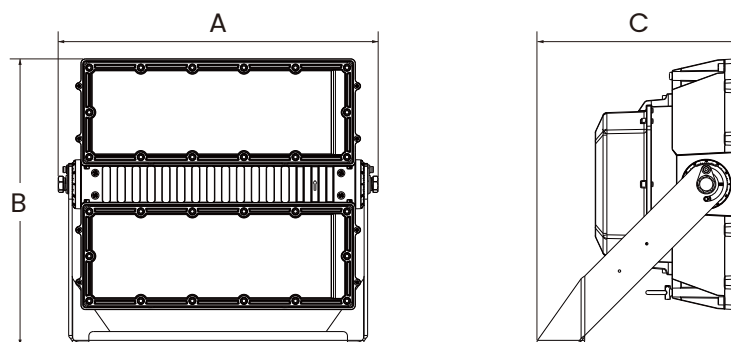


Symmetrical 60°



Asymmetrical intense 56°

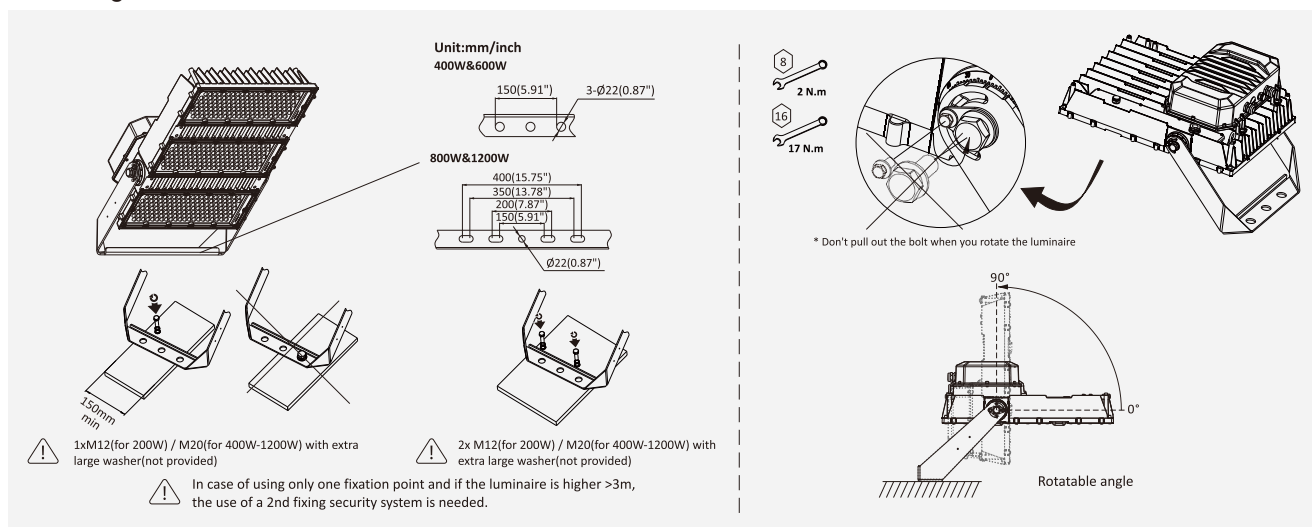
MECHANICAL DIMENSIONS



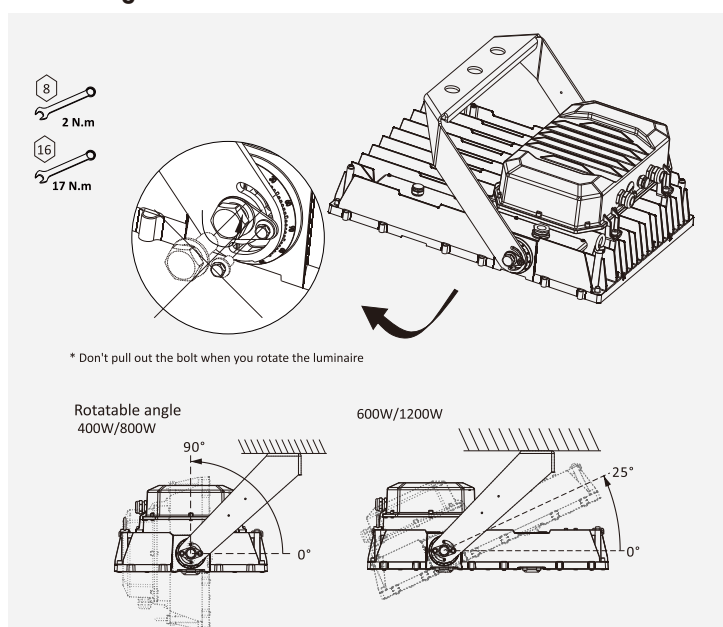
Product Model	HMII-400W	HMII-600W	HMII-800W	HMII-1200W
Wattage	400W/300W/200W	600W/500W/400W	800W/700W/600W	1200W/1000W/800W
Outer box (A*B*C)	460x425x200mm (18.11"x16.73"x7.87")	540x425x200mm (21.26"x16.73"x7.87")	770x475x200mm (30.31"x18.70"x7.87")	775x555x200mm (30.51"x21.85"x7.87")
Q'ty/Ctn	1pc	1pc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

INSTALLATION

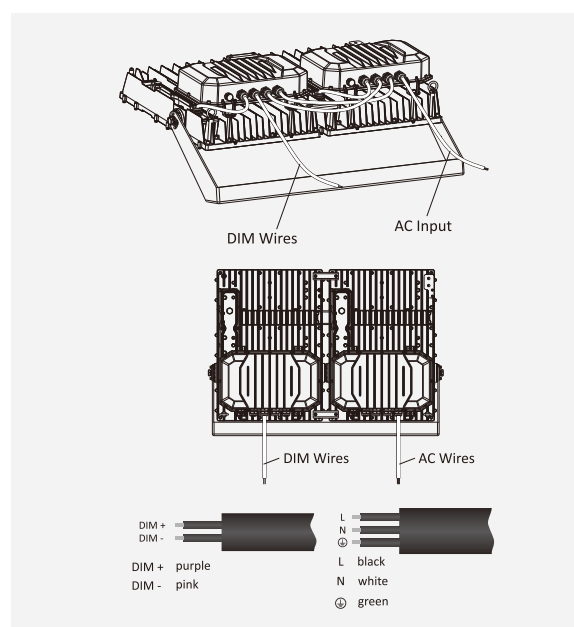
Overslung Installation



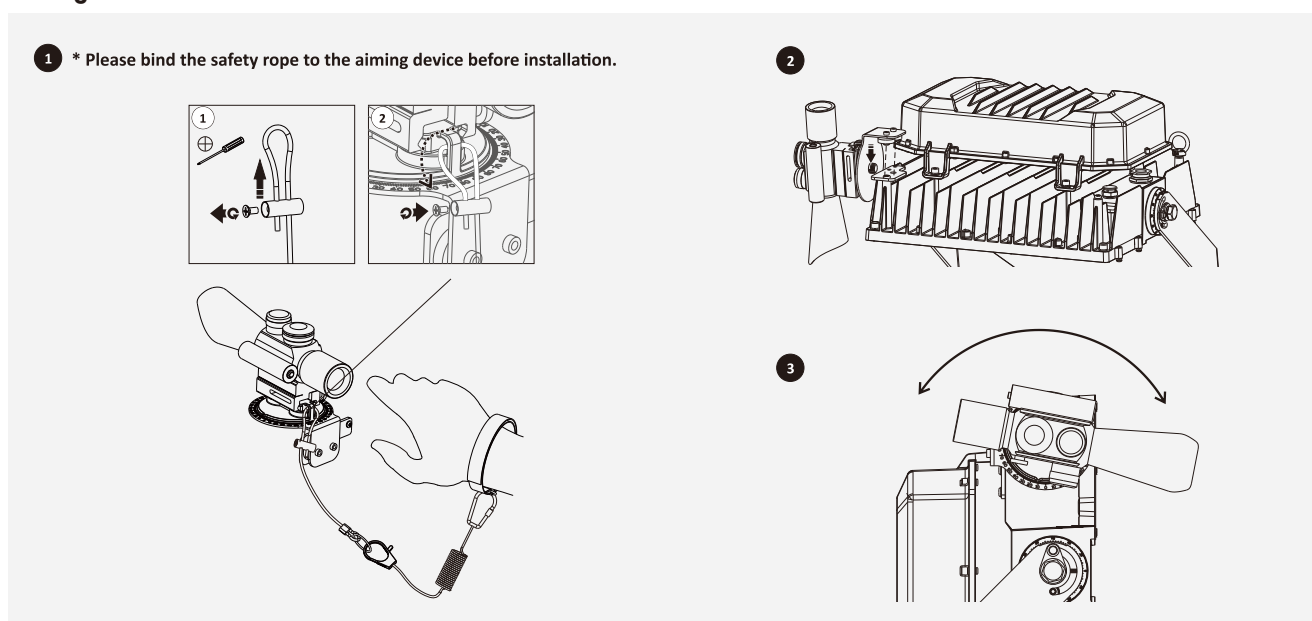
Underslung Installation

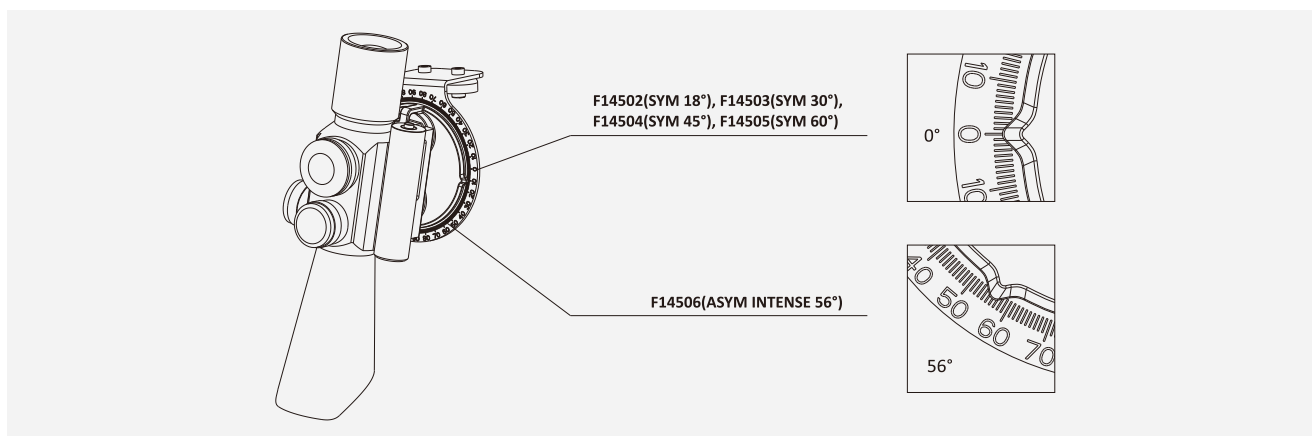


Electrical Connection

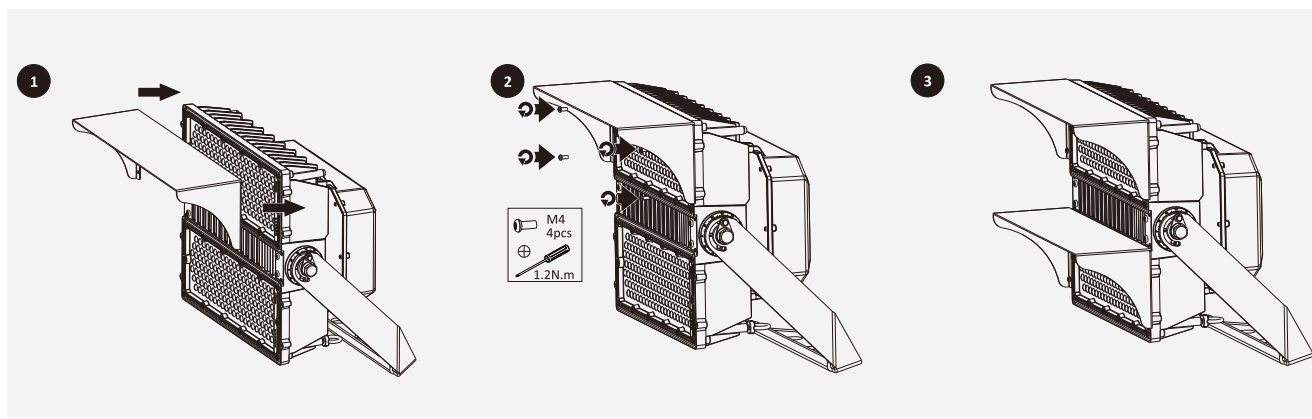


Aiming Device Mount

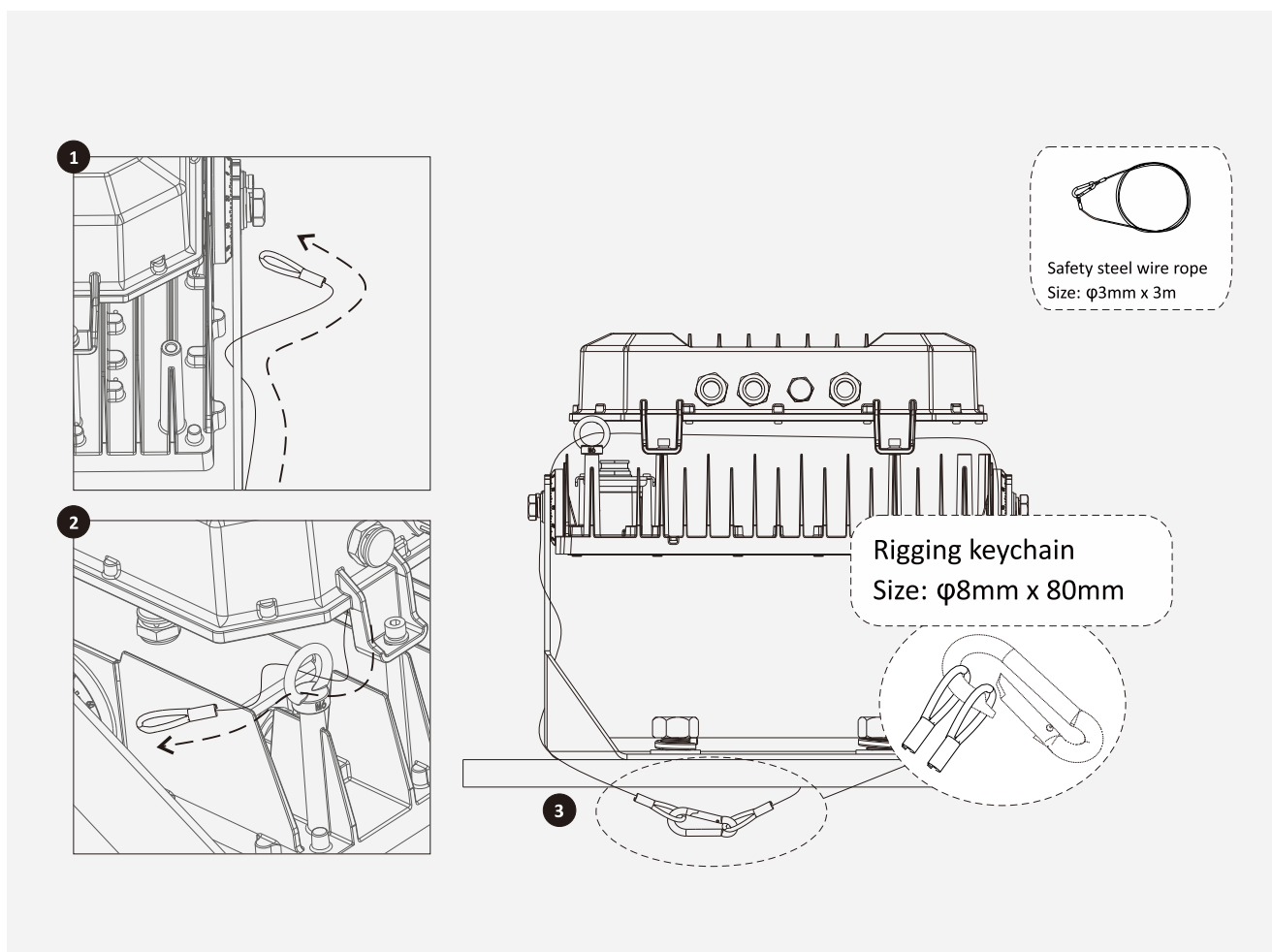




Visor Mount



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

③ Color Temperature

50K	5000K
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④ Voltage

(Blank)	120-277V
H	277-480V

⑤ Dimmable

D	0-10V Dimming
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⑥ Optics

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
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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