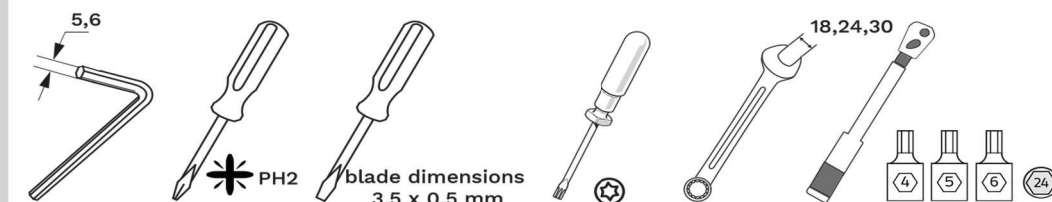
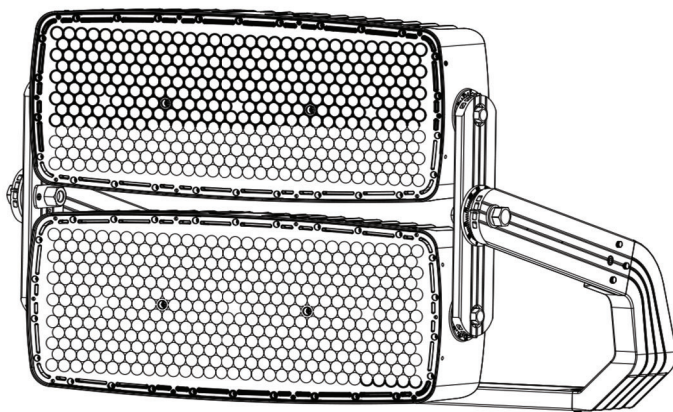


**800W - 1800W**



WEAR  
PROTECTIVE  
GLOVES



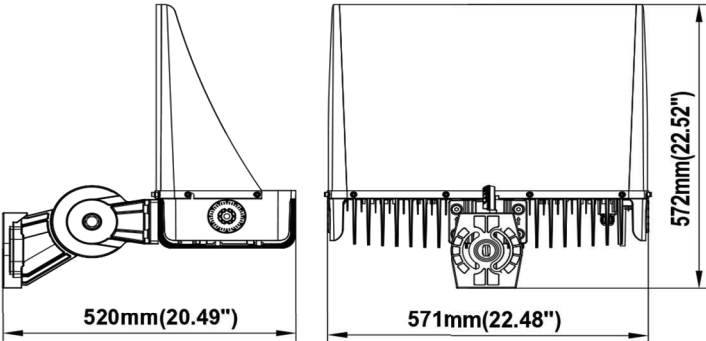
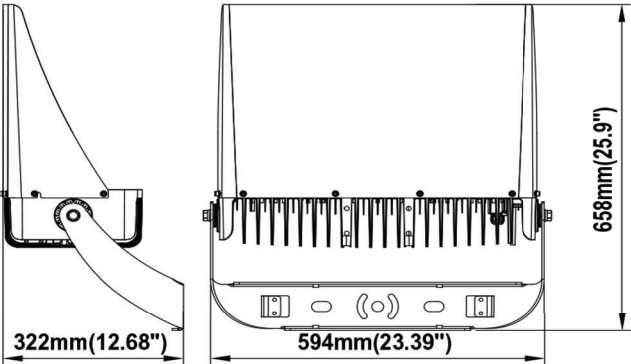
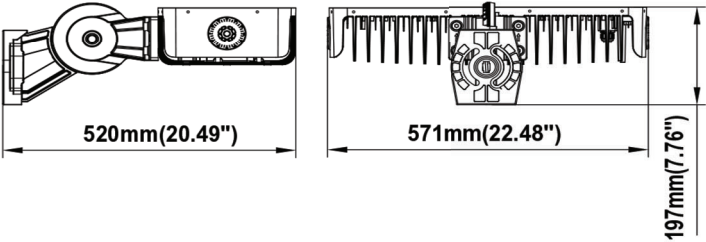
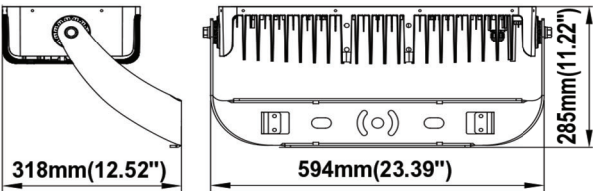
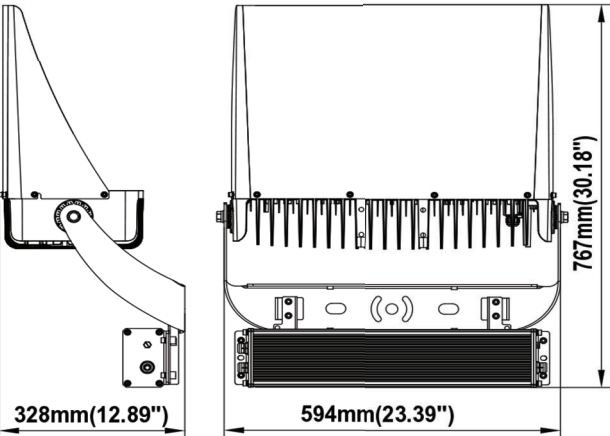
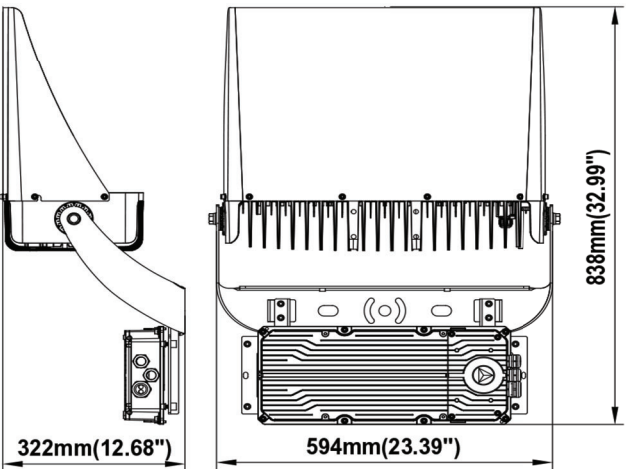
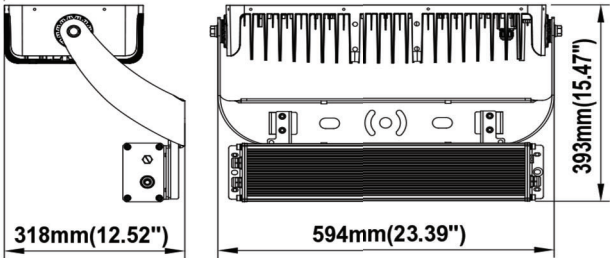
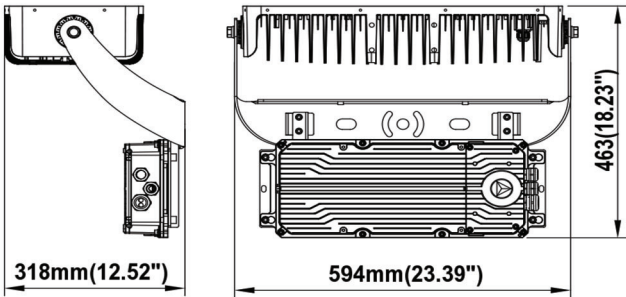
This technical drawing illustrates the exploded view of a three-phase motor assembly. The components shown are:

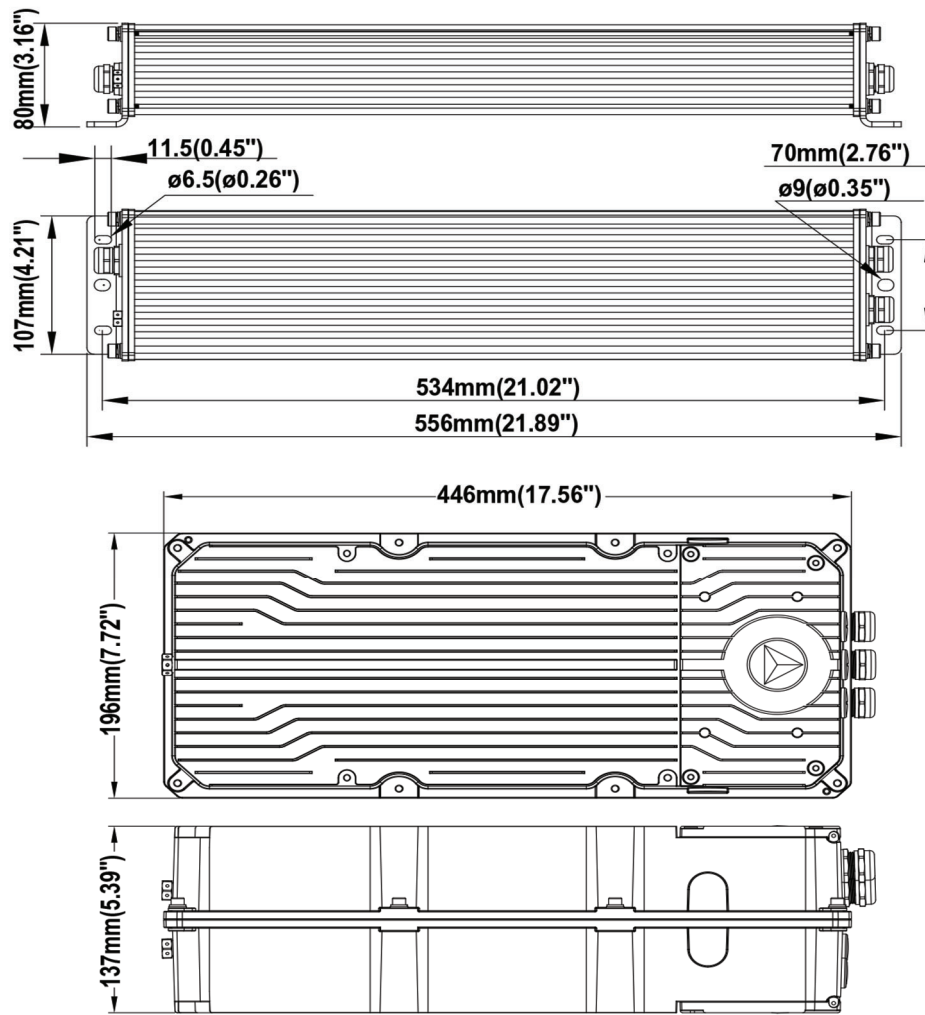
- Stator:** The central, elongated component with a series of slots for the stator windings.
- End Frame (Left):** The component on the left that houses the front bearing and provides structural support.
- End Frame (Right):** The component on the right that houses the rear bearing and provides structural support.

The diagram shows the relative positions and alignment of these parts for assembly.

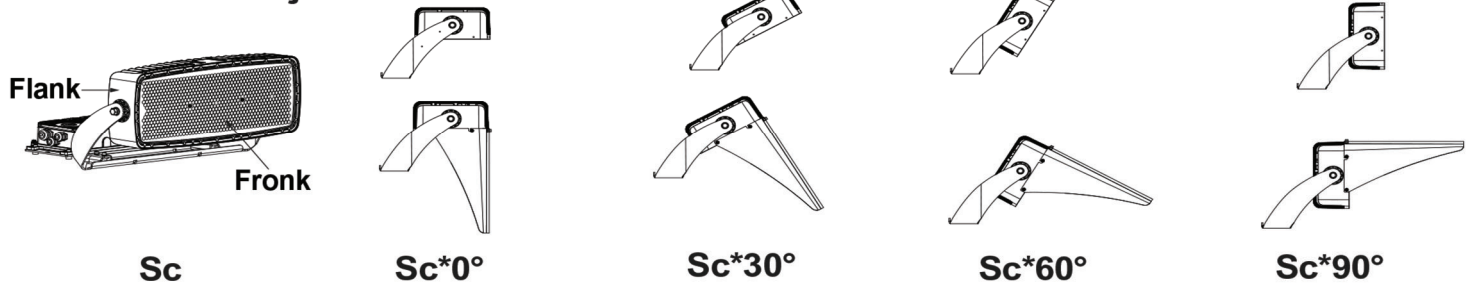
A - PRODUCT OVERVIEW

Single module





### EPA - Effective Projected Area



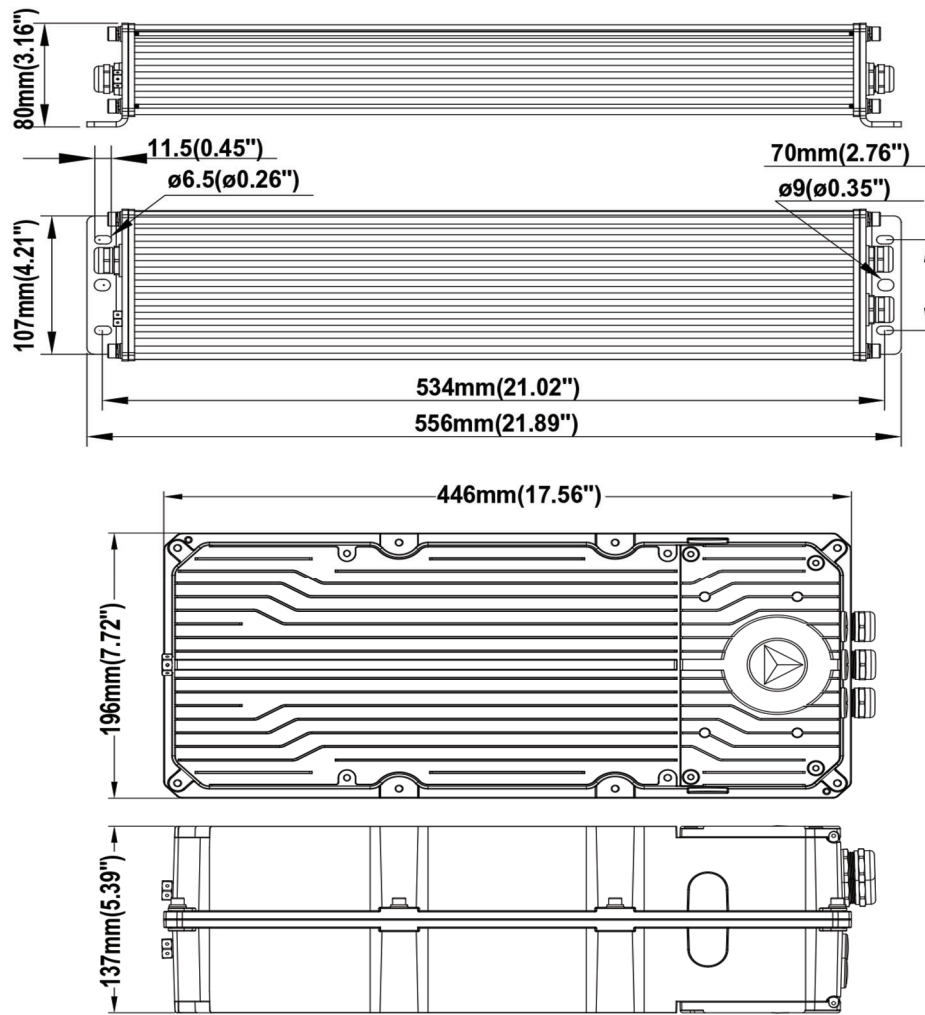
### Single module (without visor)

	$a=0^\circ$		$a=30^\circ$		$a=60^\circ$		$a=90^\circ$	
Direction	Fronk	Flank	Fronk	Flank	Fronk	Flank	Fronk	Flank
Maximum projected area(m <sup>2</sup> )	0.07	0.03	0.12	0.03	0.15	0.03	0.14	0.03
EPA (ft <sup>2</sup> )	0.86	0.37	1.58	0.37	1.92	0.37	1.81	0.37

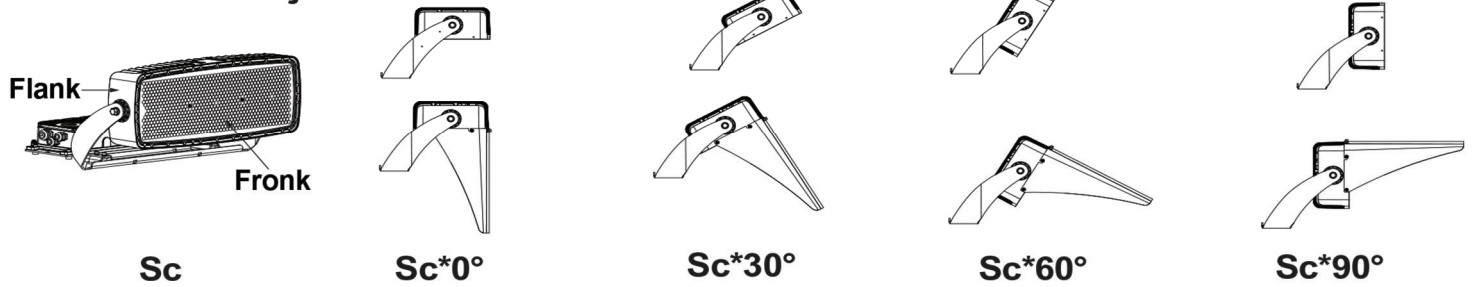
### Single module (with visor)

	$a=0^\circ$		$a=30^\circ$		$a=60^\circ$		$a=90^\circ$	
Direction	Fronk	Flank	Fronk	Flank	Fronk	Flank	Fronk	Flank
Maximum projected area(m <sup>2</sup> )	0.28	0.06	0.24	0.06	0.15	0.06	0.14	0.06
EPA (ft <sup>2</sup> )	3.61	0.74	3.12	0.74	1.92	0.74	1.83	0.74





### EPA - Effective Projected Area



### Single module (without visor)

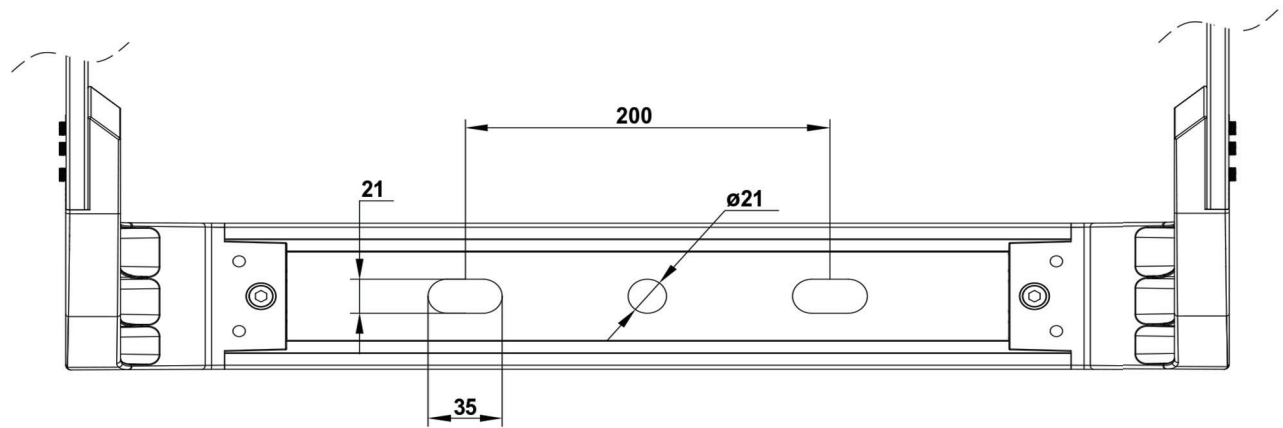
	a=0°		a=30°		a=60°		a=90°	
Direction	Fronk	Flank	Fronk	Flank	Fronk	Flank	Fronk	Flank
Maximum projected area(m <sup>2</sup> )	0.07	0.03	0.12	0.03	0.15	0.03	0.14	0.03
EPA (ft <sup>2</sup> )	0.86	0.37	1.58	0.37	1.92	0.37	1.81	0.37

### Single module (with visor)

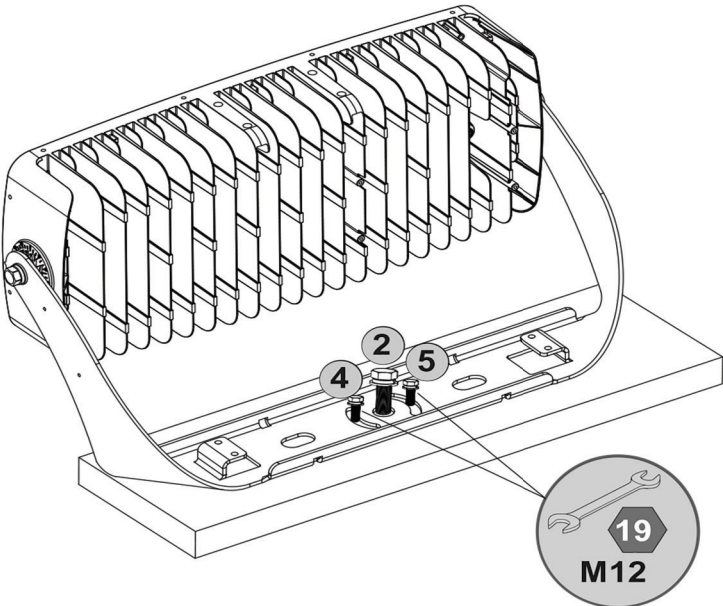
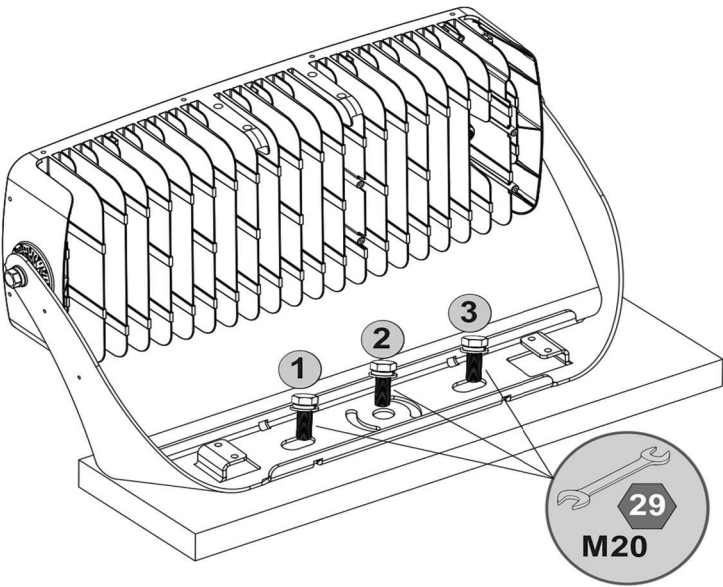
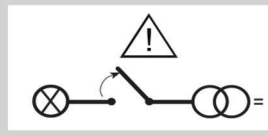
	a=0°		a=30°		a=60°		a=90°	
Direction	Fronk	Flank	Fronk	Flank	Fronk	Flank	Fronk	Flank
Maximum projected area(m <sup>2</sup> )	0.28	0.06	0.24	0.06	0.15	0.06	0.14	0.06
EPA (ft <sup>2</sup> )	3.61	0.74	3.12	0.74	1.92	0.74	1.83	0.74



Two module



B - MOUNTING




Minimum screw requirement:

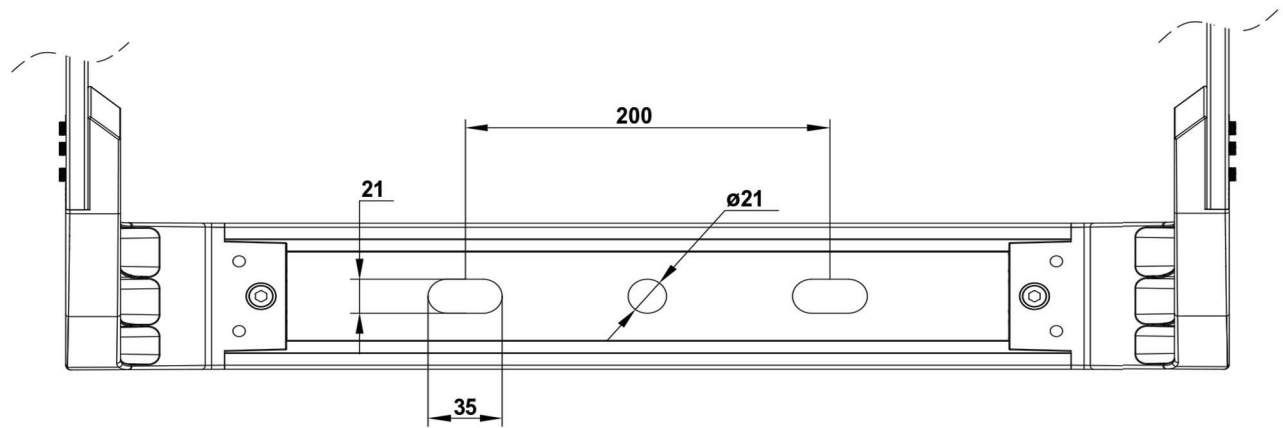
Vibration standard	IEC 0.5g / ANSI 3.0g
Minimum fastener requirement	1x M20 8.8 or A2-70 DIN9021 large plain washer
Tightening torques	1xM20: 200 Nm 2xM20: 140 Nm 2xM12: 110 Nm

Recommended to use anti-seizing agent (Tikal Tef-Gel®) !

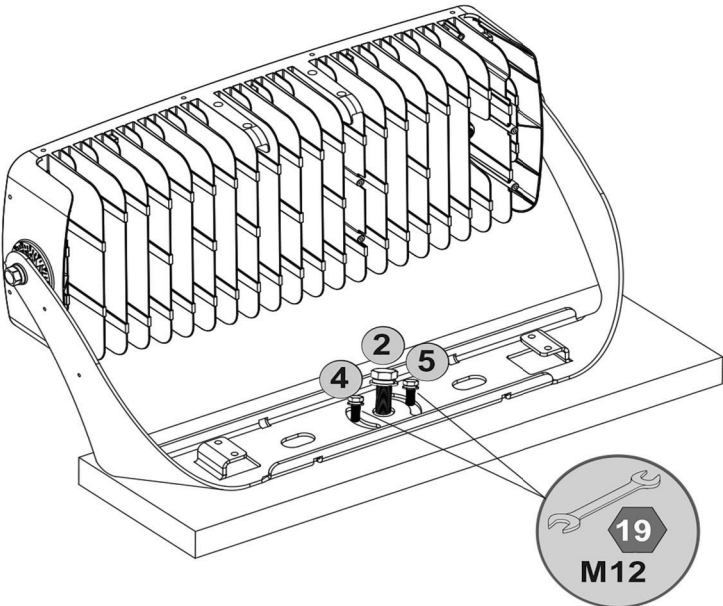
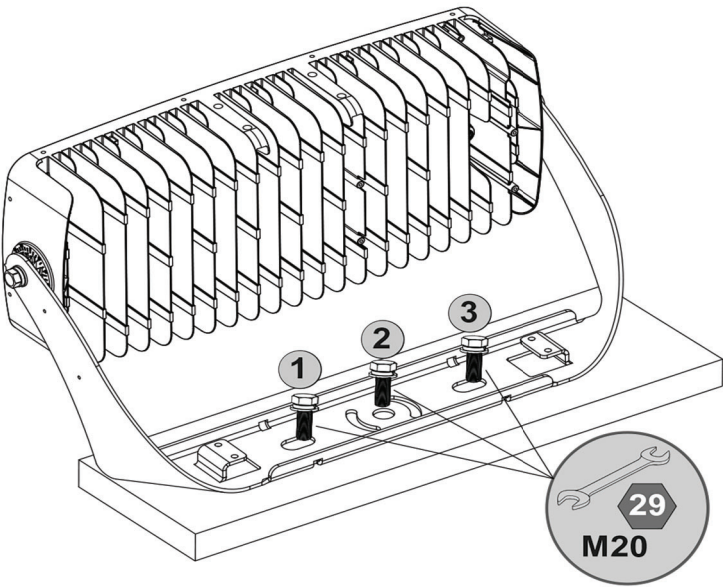
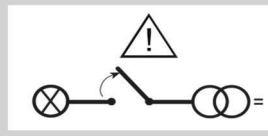
- 1.If using the Pos.1,the second screw must be in the opposite Pos.3., and the position 2 is not mandatory.
- 2.If using the Pos.3,the second screw must be in the opposite Pos.1.,and the position 2 is not mandatory.
- 3.When rotation is desired, position 2 is used, but position 4 and position 5 must be used at the same time. Position 2 screws cannot be used alone.

 Screws and washers are not included in the package!

Two module



B - MOUNTING




Minimum screw requirement:

Vibration standard	IEC 0.5g / ANSI 3.0g
Minimum fastener requirement	1x M20 8.8 or A2-70 DIN9021 large plain washer
Tightening torques	1xM20: 200 Nm 2xM20: 140 Nm 2xM12: 110 Nm

Recommended to use anti-seizing agent (Tikal Tef-Gel®) !

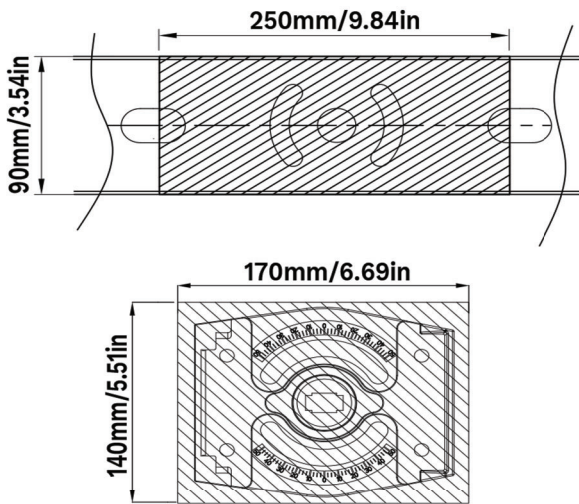
- 1.If using the Pos.1,the second screw must be in the opposite Pos.3., and the position 2 is not mandatory.
- 2.If using the Pos.3,the second screw must be in the opposite Pos.1.,and the position 2 is not mandatory.
- 3.When rotation is desired, position 2 is used, but position 4 and position 5 must be used at the same time. Position 2 screws cannot be used alone.

 Screws and washers are not included in the package!

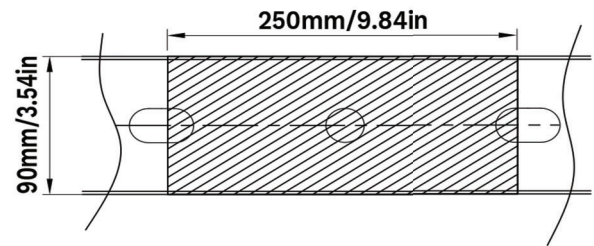


## Minimum Surface Contact Area for screw fixation

### Single module



### Two module

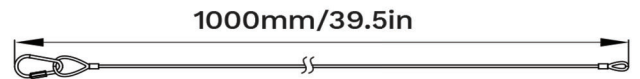
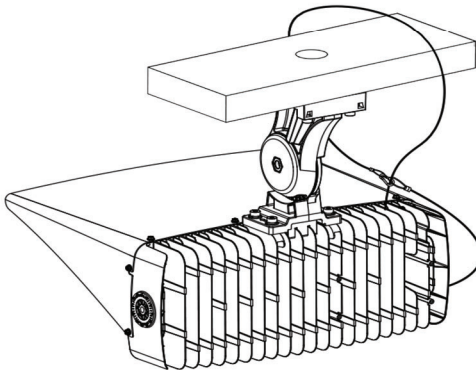
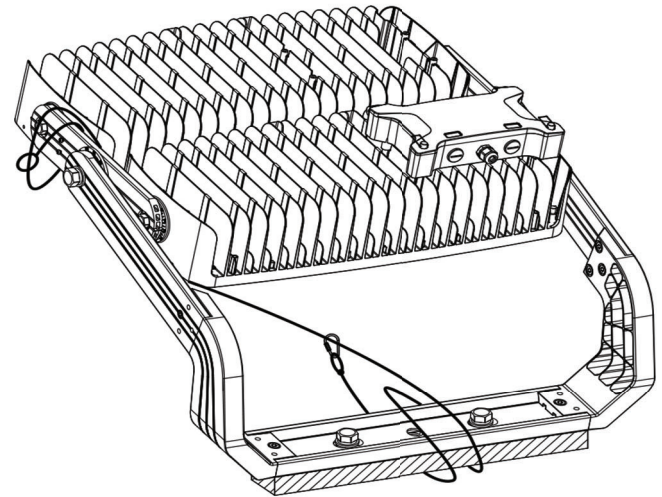
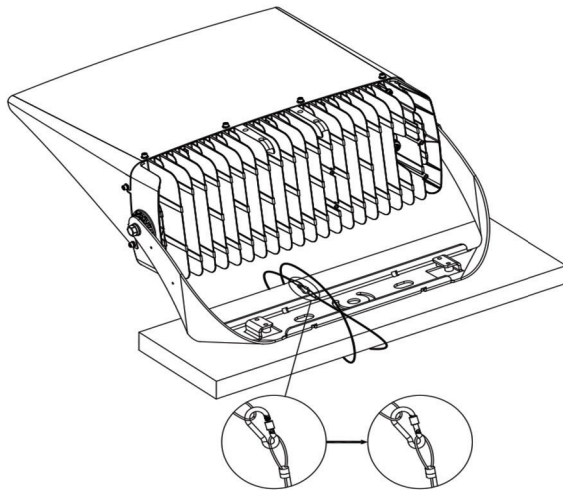


Fasteners are not included in the package!

Remark: the hatched area always need to be supported by a flat planar mounting surface as minimum.

Wider surface contact is recommended, smaller is not allowed!

## C - SAFETY CABLE



1000mm/39.5in safety cable is supplied with the luminaire.

### ! NOTICE !

1. No sharp edges on the interface (bracket or hole) of mounting side.
- 2 The safety chain must be replaced immediately if any of the below scenarios occur:
  - a. The safety chain was stretched at any time due to luminaire falling;
  - b. Part of steel wire is broken or frayed;
  - c. The safety chain is designed to protect the luminaire from falling, but the luminaire should not be suspended for a long time.

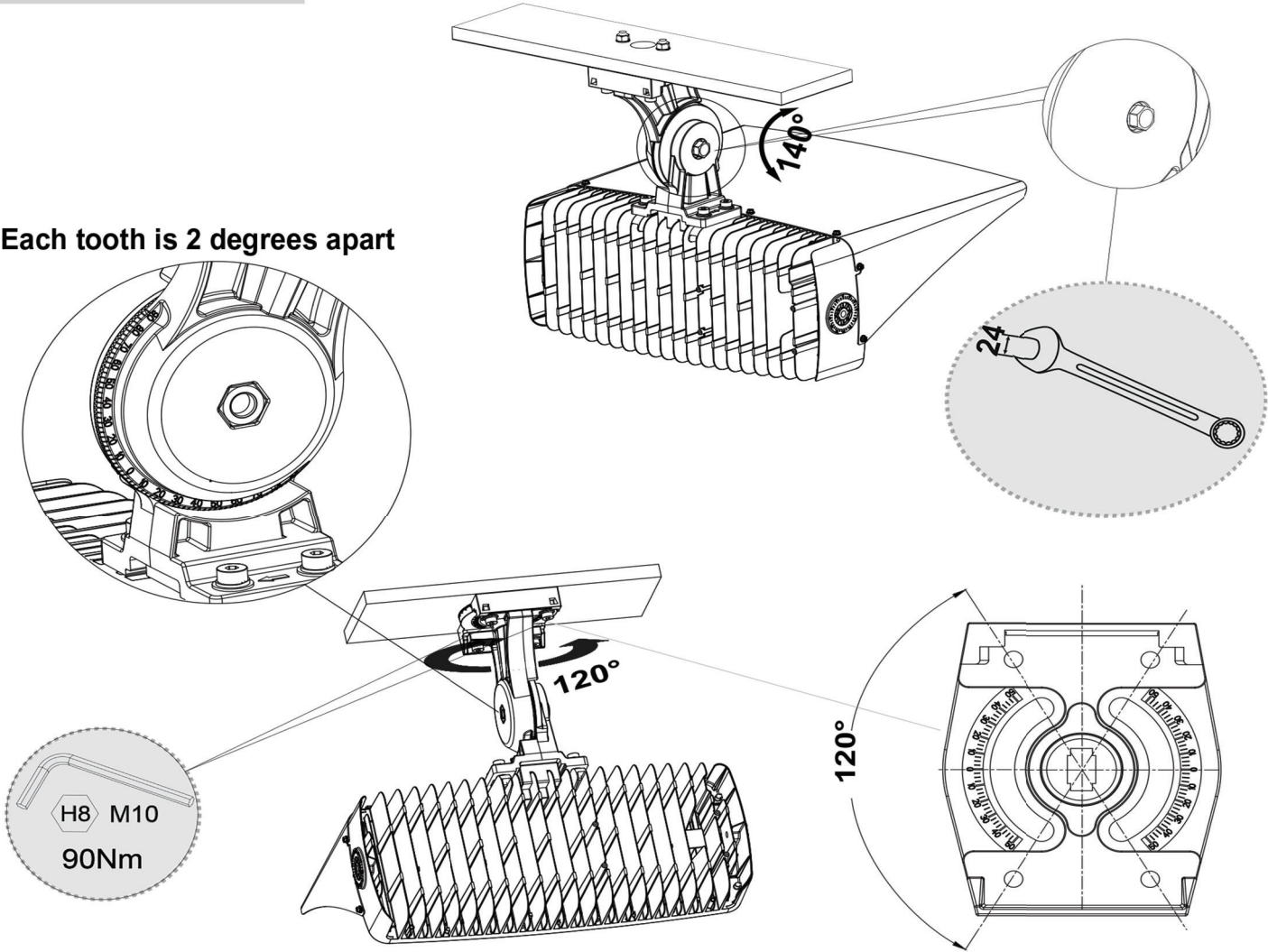
### For installations over 3m height:

secondary safety system application is mandatory, which is appropriated for the luminaire load. (e.g. safety cable)

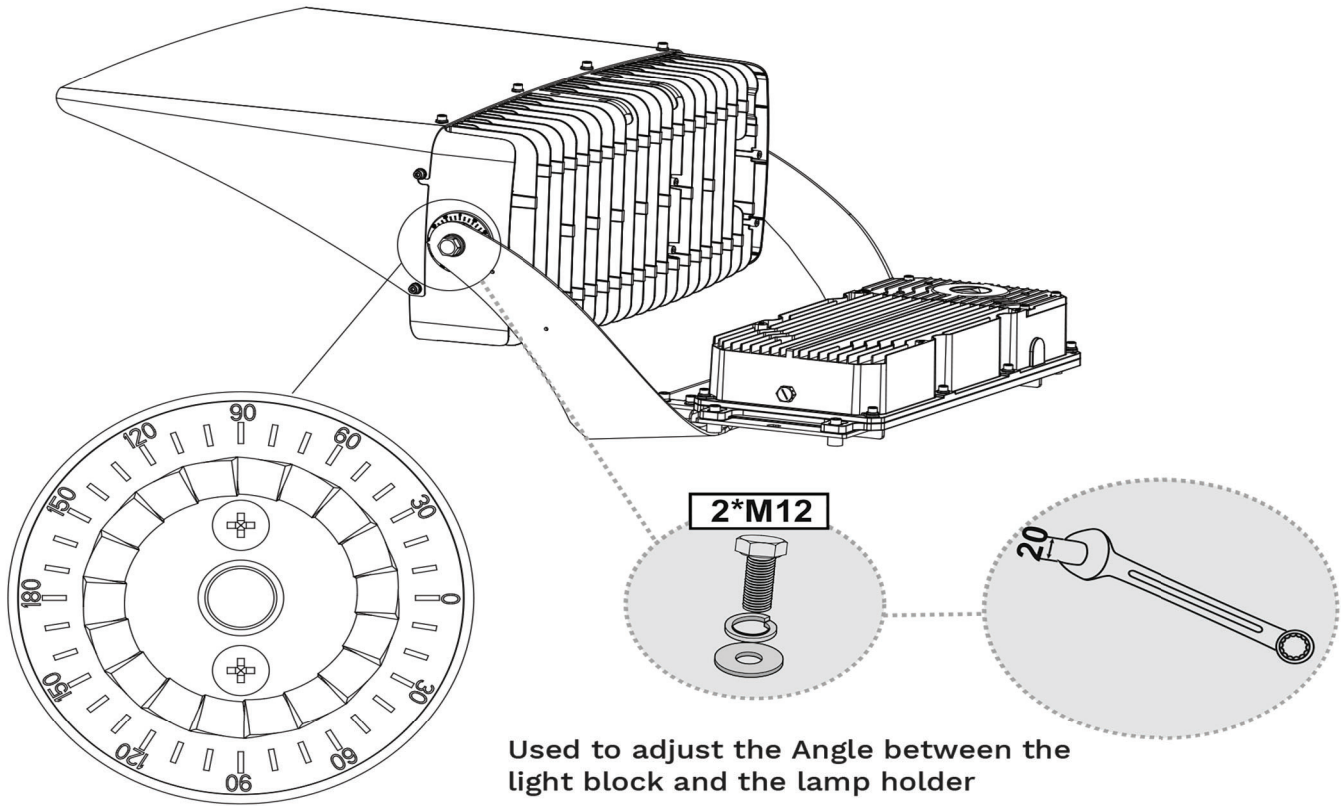


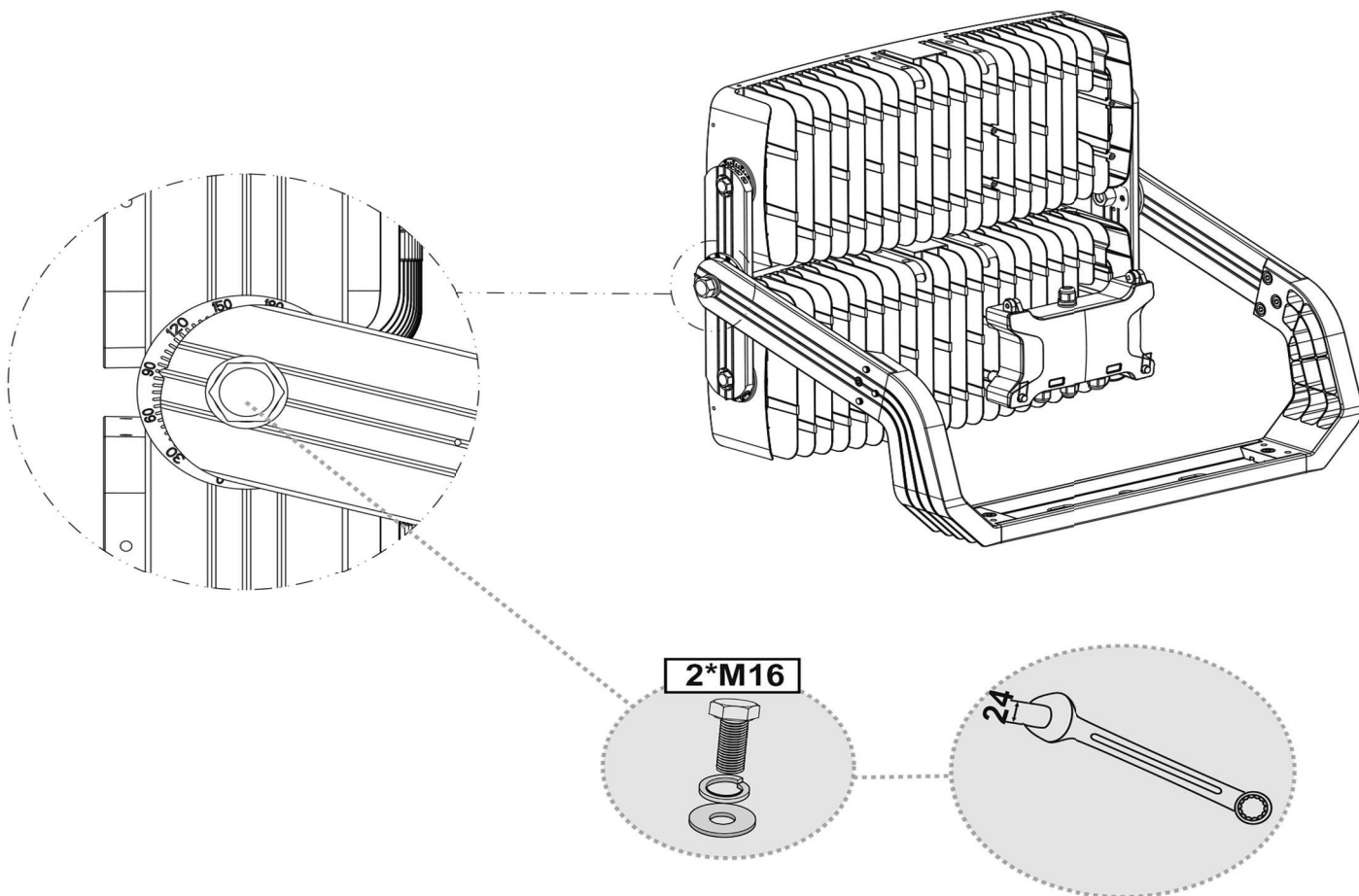
D - ANGLE ADJUSTMENT

Each tooth is 2 degrees apart



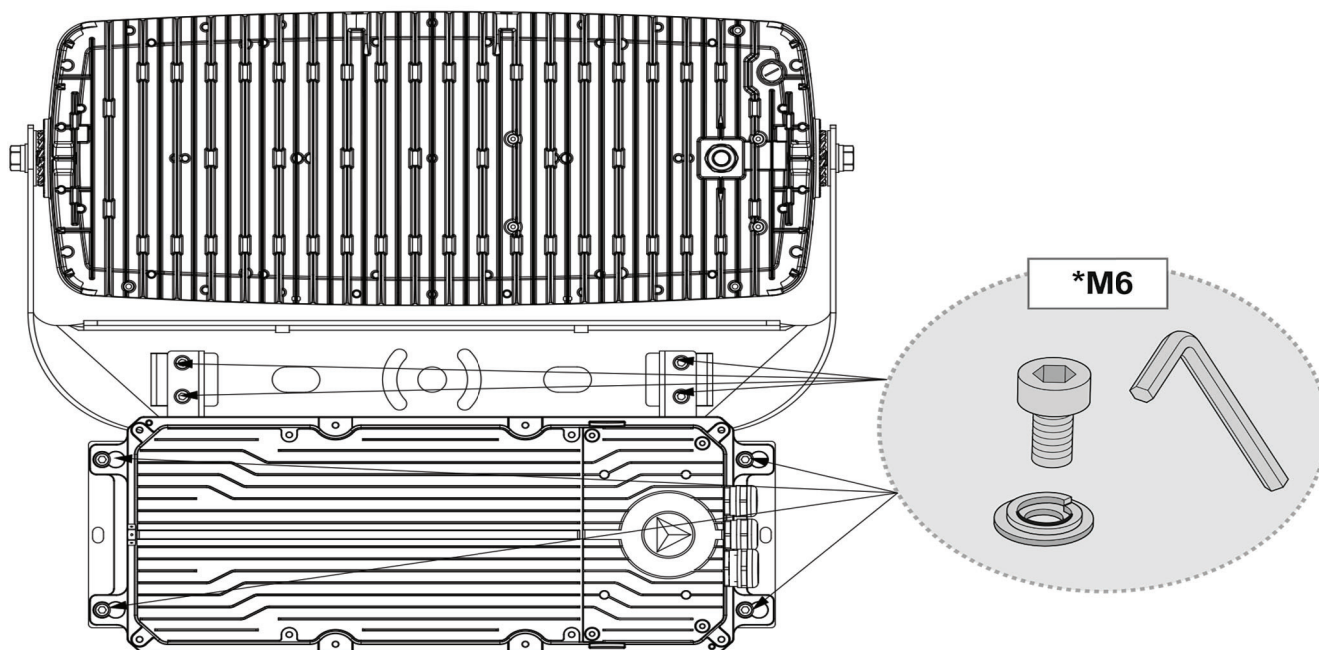
bracket installation



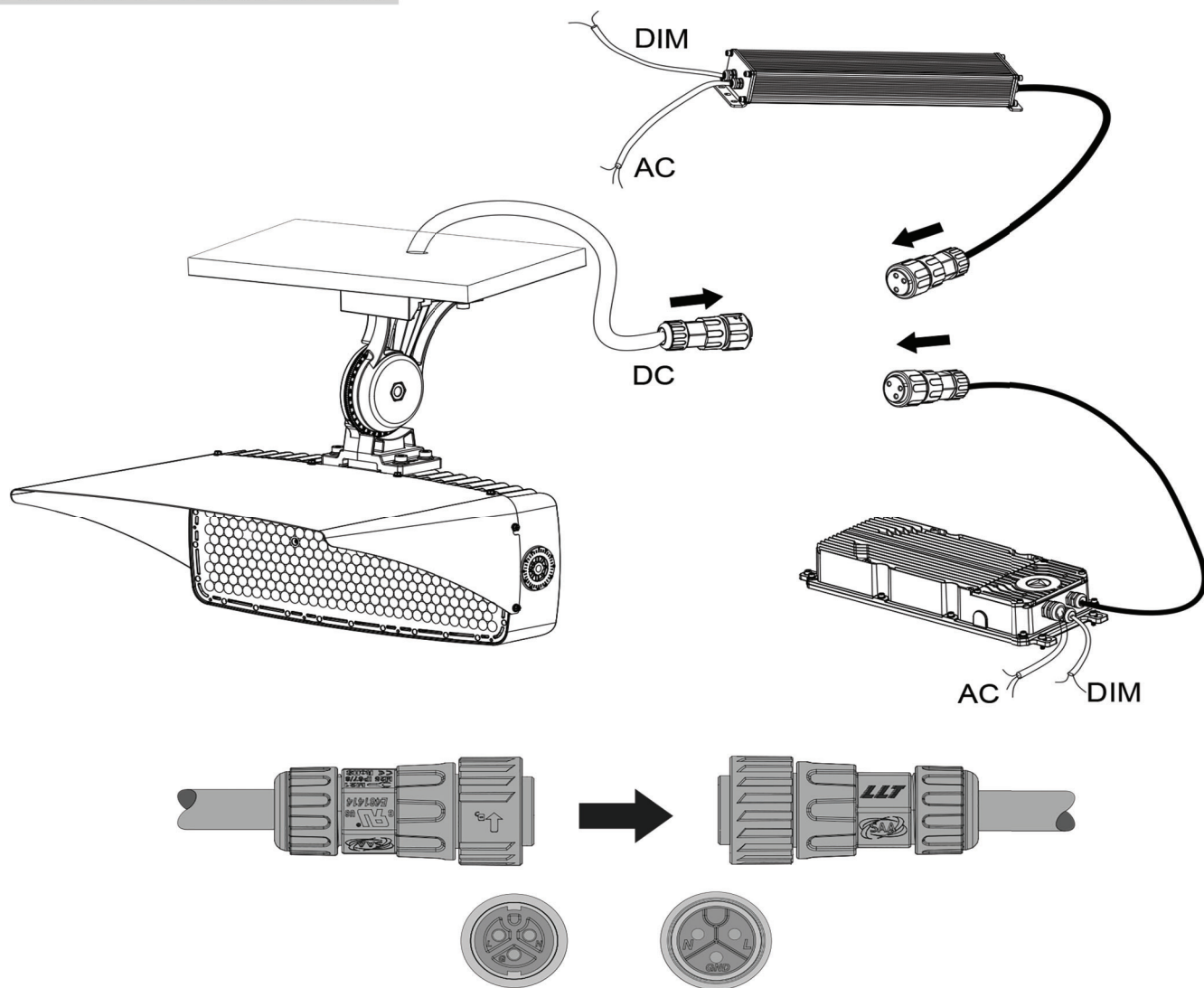


Used to adjust the Angle between the light block and the lamp holder

## E - GEAR INSTALLATION



## F - ELECTRICAL CONNECTION



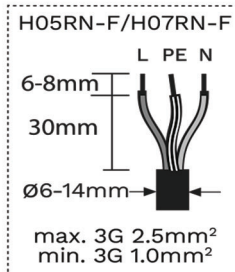
### Cable types and cable gland

When using a larger external diameter cable, the plug and the smaller inner diameter seal need to be removed.

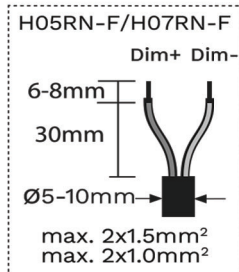


When using a smaller external diameter cable, simply remove the plug.

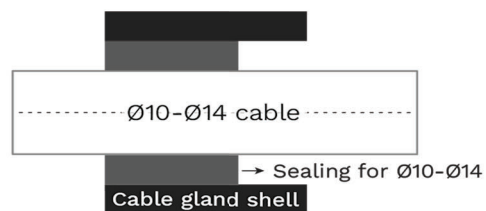
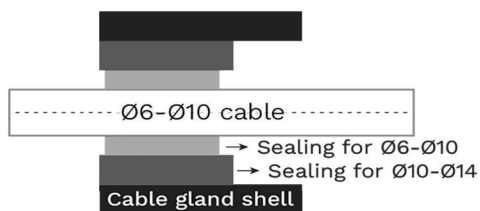
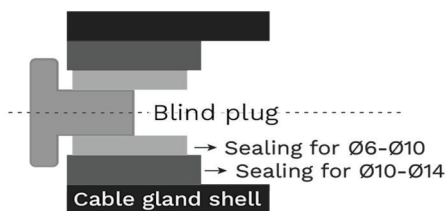
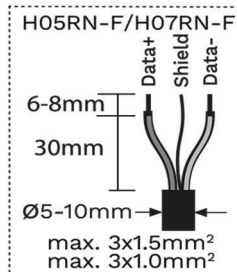
~ AC ⊕



DALI

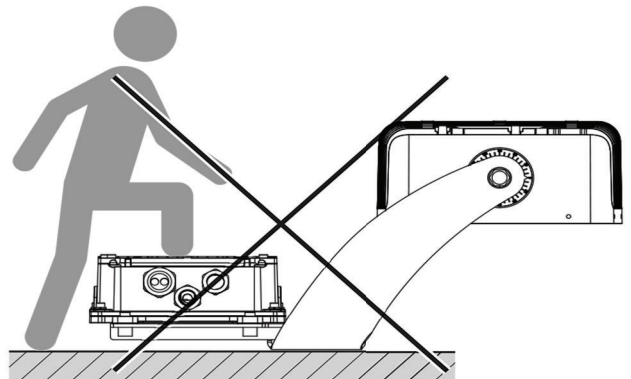
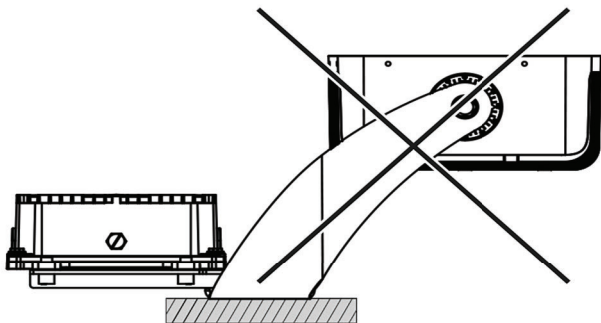
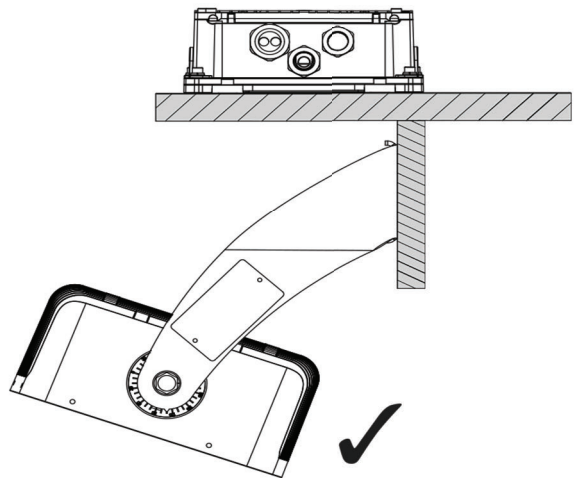
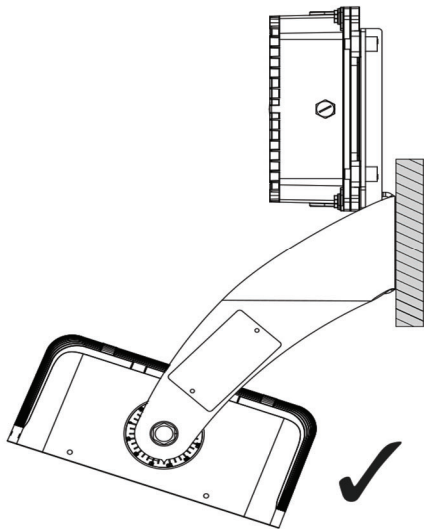
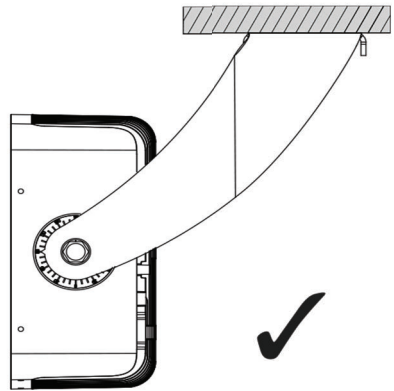
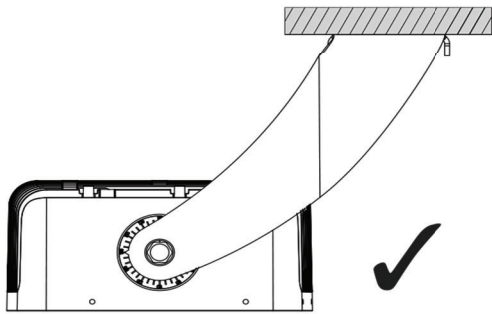
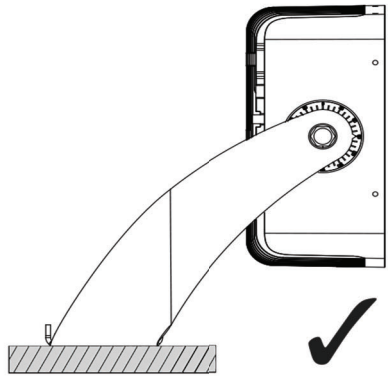
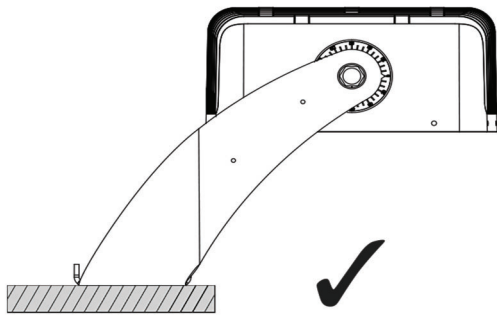


DMX



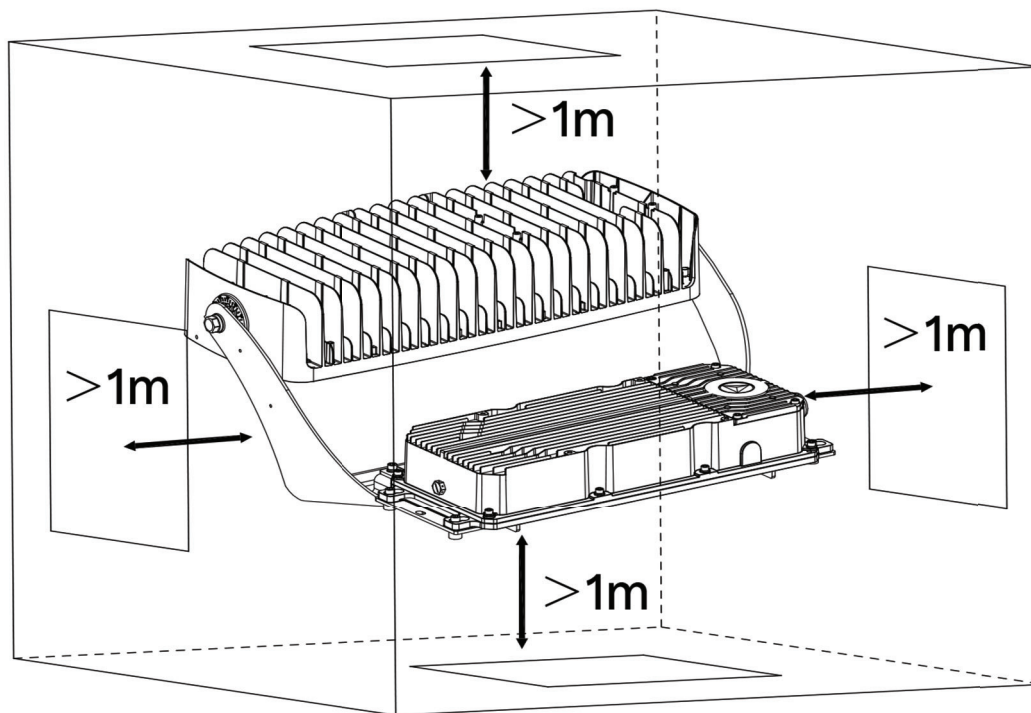


G - ALLOWED POSITIONING



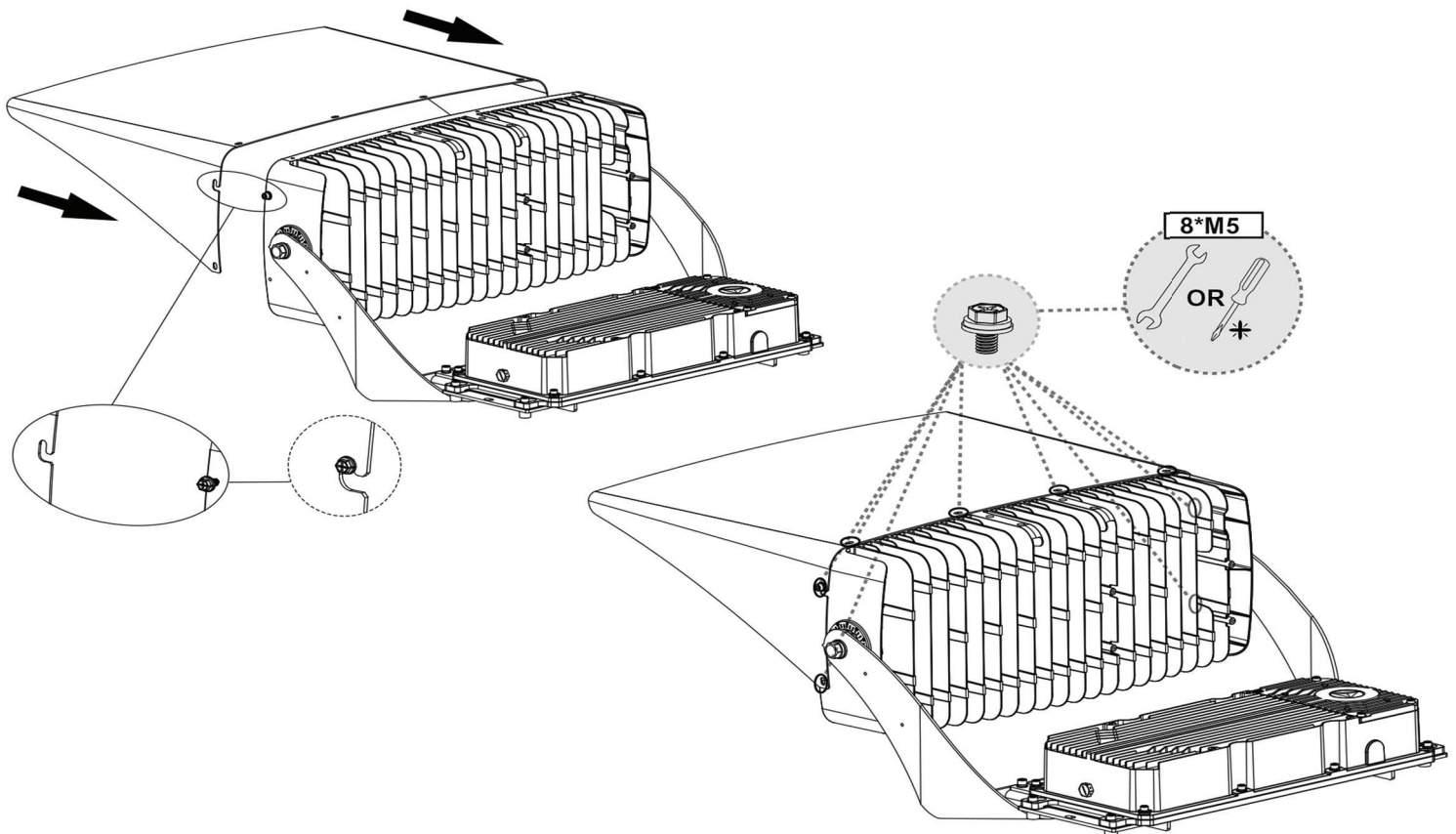
## H - RECOMMENDATIONS

### Surrounding distances



At least 1 meter distance should be kept from surrounding walls, floor, and ceiling for all types of mounting/inclination.

## I - ACCESSORIES - Visor



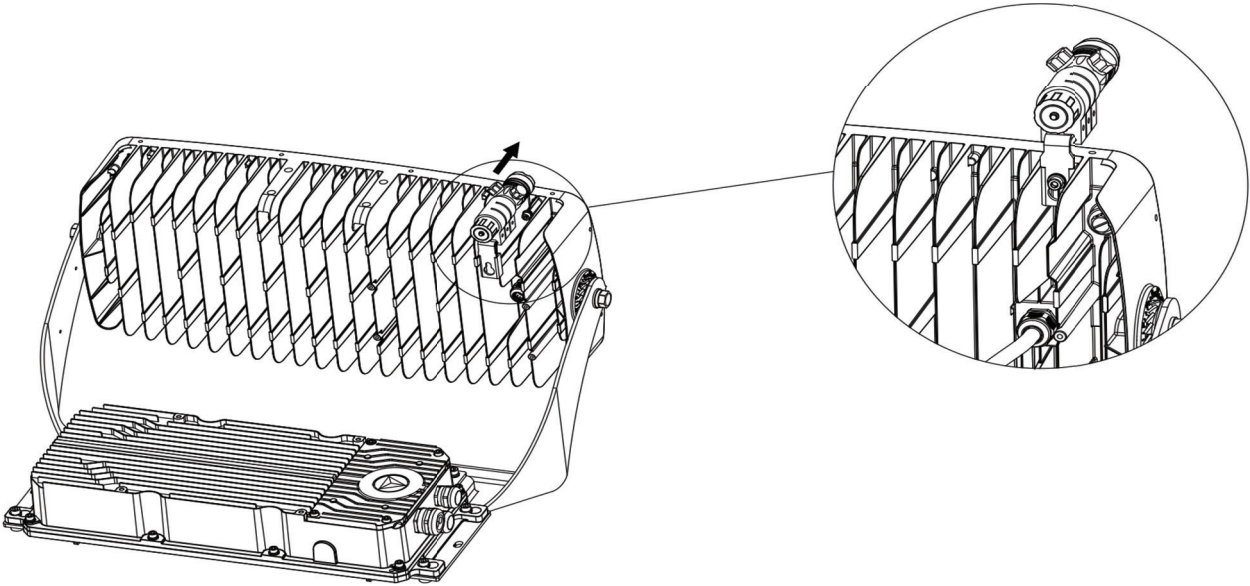
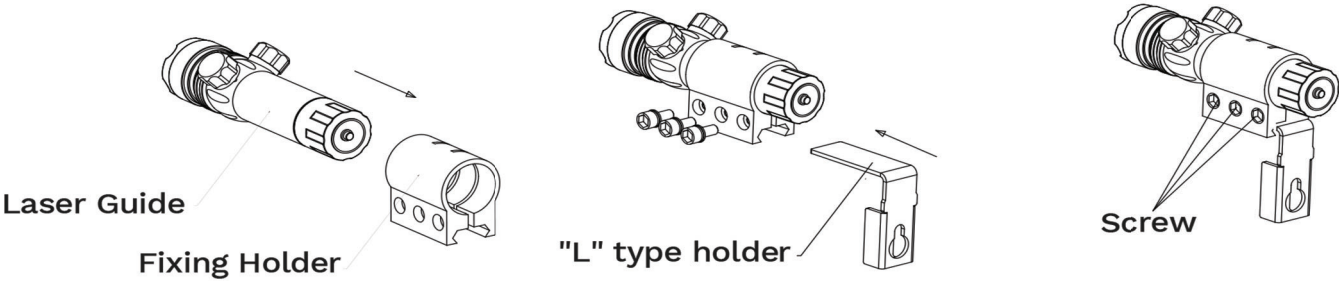
1. Secure 2 PCS M5 screws into the heat sink.  
Do not tighten the screws completely. Leave  
4-6mm of screw length for hanging the Visor.

2. Hooking the L-shaped groove  
on the Visor to the screw.

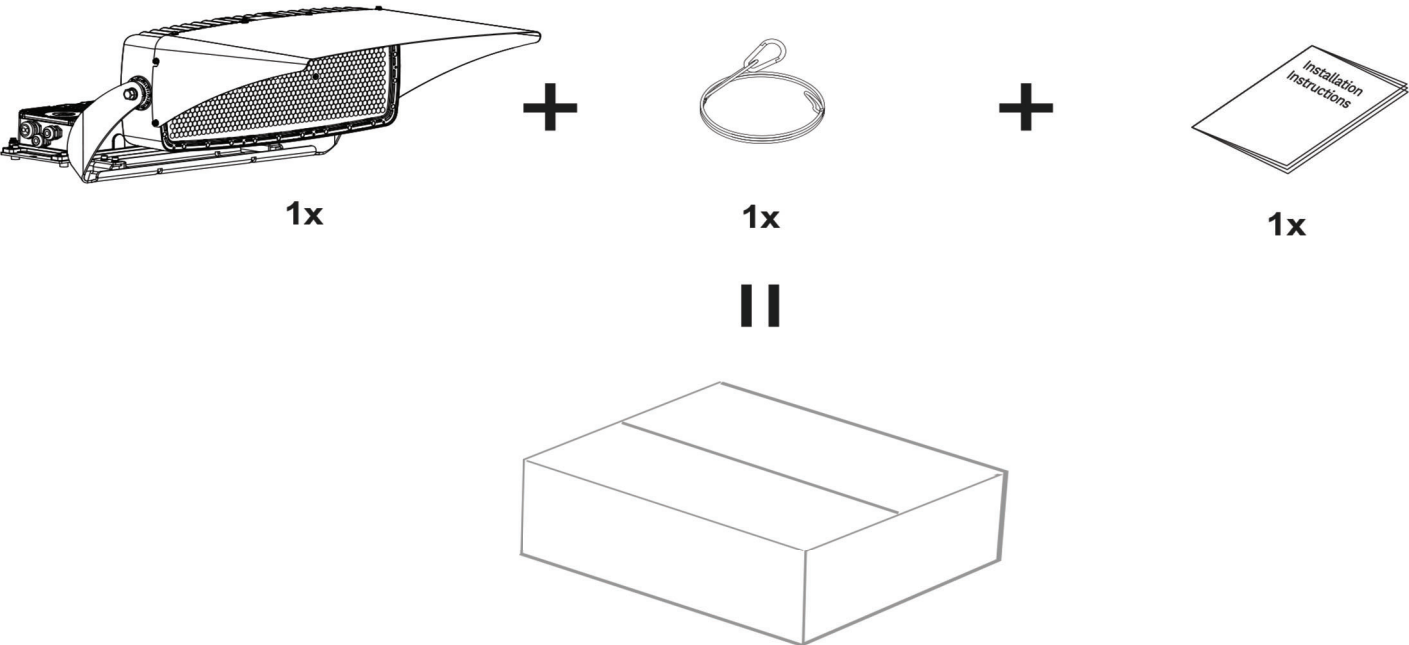
3. Installing the remaining screws  
and lock the Visor.

J- AIMING DEVICE

Laser sight



K- PACKING LIST





## Warning

1. The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEEE electrical regulations or the national requirements.
2. Switch off main power supply before Installation, maintenance and any operation.
3. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
4. This luminaire is Y attachment. if the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
5. Use IP66 grade connection devices with cable clamp to ensure a complete IP66 system.
6. Refer to technical datasheet for additional electrical properties to ensure installation safely.
7. Ensure power supply cables (L-N / L-N-E) are connected correctly before switching on.
8. The insulation between LV and control circuit is basic insulation.
9. This product is not suitable for corrosive environment, such as areas less than 1 km from the coast, port crane, sea-crossing bridge, island.
10. The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 21 m is not expected.
11. Earthing contact to customer end on luminaire must be connected by installer, including whole use process that the earthing contact is always reliably linked to earth ground.
12. The luminaire should avoid storage and usage in such a surroundings or an occasion that is with corrosion or hazardous gases like sulfide, halide, phthalate and so on.
13. The PC material cannot be used in such an ambience that is with ethylamine, tetra-dichloroethylene, which is corrosion or hazardous to PC material and so on.
14. All materials used in luminaire must be compliance to RoHS as below table.
15. The Luminaire should never be used in submerged wet conditions e.g, under water, soil, snow etc.
16. The wiring connection should also never be used in submerged wet conditions e.g. water, soil, snow etc. OR must use IP68 junction box.
17. The warranty is void, in case any of the instructions / guidelines are not followed as per given mounting instruction.
18. This product is not supplied with any junction box / connector.
19. This product contains a light source of energy efficiency class: see table or label.
20. For further clarification, please contact the manufacturer.

## Maintenance

1. Periodic clearing of the luminaires' optical lens covers will ensure maximum optical efficiency.
2. Luminaire optical lens cover shall be cleaned with clean water, non-abrasive soap, cleaner and detergent solution. Acid solution or alkali solution cannot be used as a cleaning solution to wash outside surface of luminaire.

## Caution

1. Luminaire must be used within the applicable product specification of installation instruction and environmental conditions for storage and operation according to application guidelines provided for valid product warranty.
2. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice.

Hazardous material of content in product						
Component name	Hazardous material of content					
	Pb	Hg	Cd	Cr-VI	PBB	PBDE
PCB board	○	○	○	○	○	
Driver with all materials used	X	○	○	○	○	
PC optical diffuser	○	○	○	○	○	
Housing/other components	○	○	○	○	○	
The table is made according to SJ/T11364						
○: denotes hazardous material of content under required content of GB/T26572						
X: denotes hazardous material of content beyond required content of GB/T26572						
X: Applicable to China only						