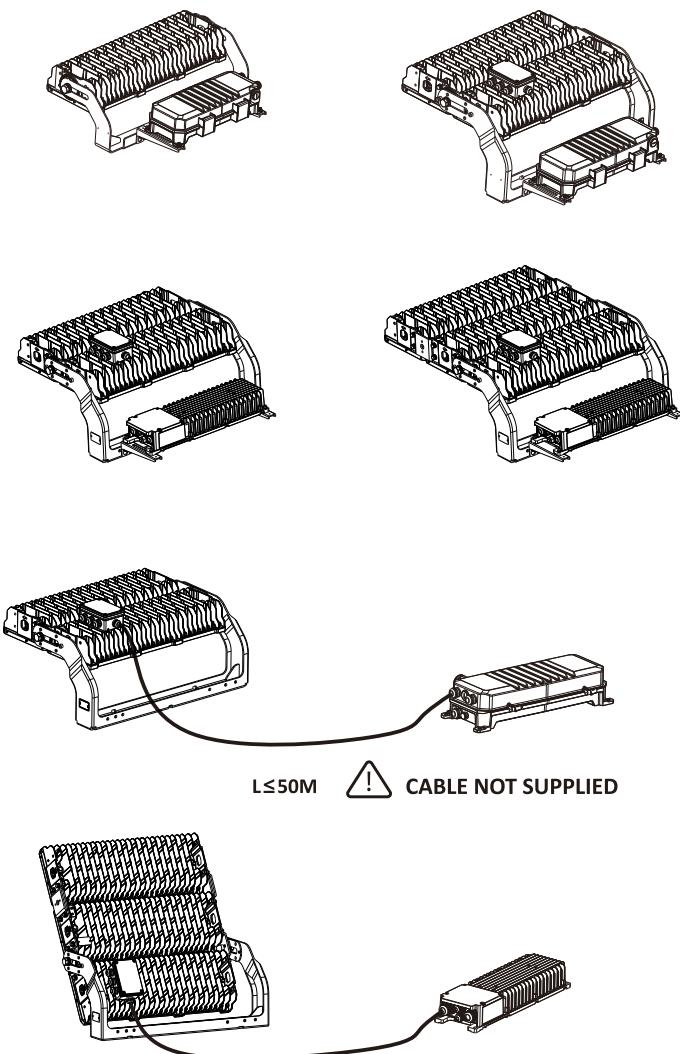


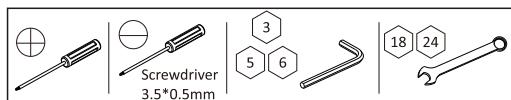
MODULUX LED C5 1.0

LUXON

INSTALLATION MANUAL



Tool set is not included.



READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

SAVE THE MANUAL FOR FUTURE REFERENCE!

WARNING

To avoid electric shock:

Installation and wiring of luminaire must be in accordance with all applicable local codes.

Installation, inspection, and maintenance of luminaires should be performed by a qualified electrician.

DO NOT make or alter any open holes in the luminaire.

DO NOT modify the luminaire.

DO NOT install damaged product.

Make sure electrical power is OFF before and during installation and maintenance.

Make sure the equipment is properly grounded.

Make sure the supply voltage is same as the rated fixture voltage.

To perform maintenance:

Only use luminaire in its intended location.

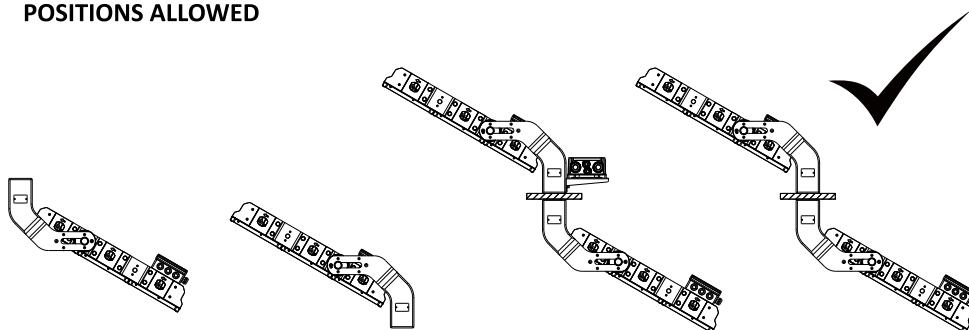
Make sure the luminaire is not covered with material that will prevent convection or conduction cooling.

It's suggested to perform visual, electrical, and mechanical inspections on a regular basis and cleaned with a non-aggressive product.

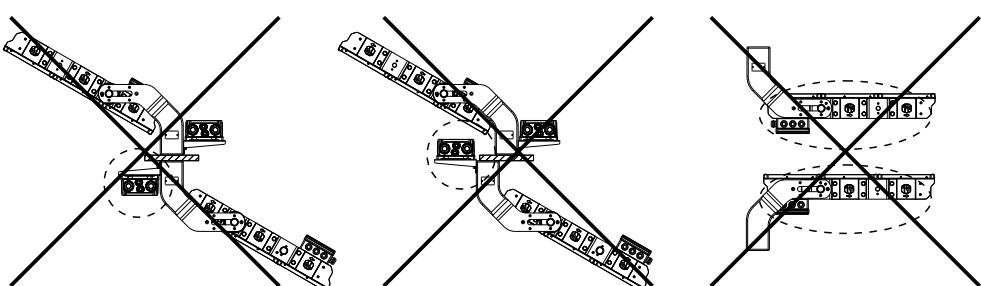
Any deterioration in the cables should be noted and reported to a suitably qualified electrician who will advise an appropriate course of action.

The Surge Protective Device(SPD) will need replacing when it comes to the end of its useful life. This should be checked for operation during the annual maintenance.

POSITIONS ALLOWED

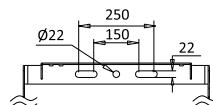
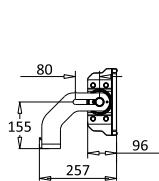
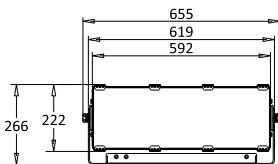


POSITIONS NOT ALLOWED



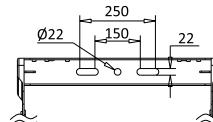
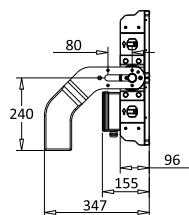
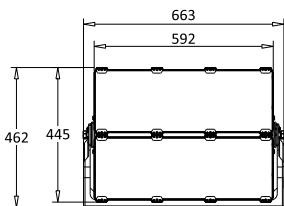
LUMINAIRE (Unit: mm)

600W/750W



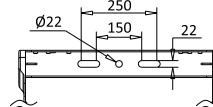
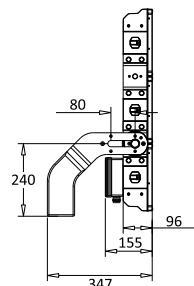
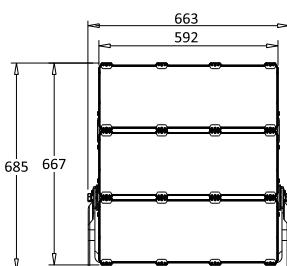
kg
11.5KG

1200W/1500W



kg
23.6KG

1800W



kg
31.9KG

Luminaire Windage Area(SCx)

Power	SCX0°*	SCX15°*	SCX30°*	SCX45°*	SCX60°*	SCX75°*	SCX90°*
600W/750W	0.04m ²	0.07m ²	0.1m ²	0.12m ²	0.14m ²	0.15m ²	0.15m ²
1200W/1500W	0.04m ²	0.11m ²	0.18m ²	0.24m ²	0.28m ²	0.30m ²	0.31m ²
1800W	0.04m ²	0.15m ²	0.26m ²	0.35m ²	0.42m ²	0.46m ²	0.46m ²

* These data refer to the worst case at indicated angle

Luminaire Windage Area(SCx) with visor SP12-L131

							
Power	SCX0°*	SCX15°*	SCX30°*	SCX45°*	SCX60°*	SCX75°*	SCX90°*
600W/750W	0.12m ²	0.12m ²	0.10m ²	0.12m ²	0.12m ²	0.12m ²	0.15m ²
1200W/1500W	0.12m ²	0.15m ²	0.18m ²	0.24m ²	0.24m ²	0.24m ²	0.31m ²
1800W	0.12m ²	0.19m ²	0.26m ²	0.35m ²	0.35m ²	0.38m ²	0.46m ²

* These data refer to the worst case at indicated angle

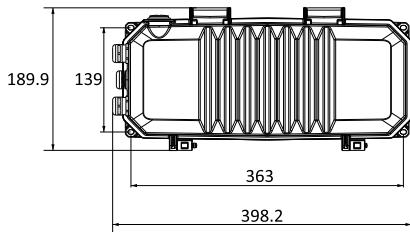
Luminaire Windage Area(SCx) with visor SP12-L78

							
Power	SCX0°*	SCX15°*	SCX30°*	SCX45°*	SCX60°*	SCX75°*	SCX90°*
600W/750W	0.09m ²	0.07m ²	0.10m ²	0.12m ²	0.12m ²	0.12m ²	0.15m ²
1200W/1500W	0.09m ²	0.12m ²	0.18m ²	0.24m ²	0.24m ²	0.24m ²	0.31m ²
1800W	0.09m ²	0.15m ²	0.26m ²	0.35m ²	0.35m ²	0.38m ²	0.46m ²

* These data refer to the worst case at indicated angle

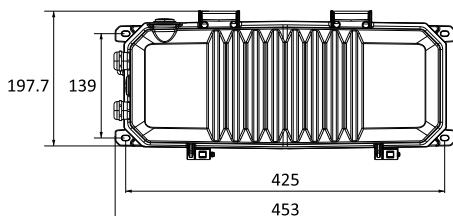
DRIVER BOX (Unit: mm)

600W/750W

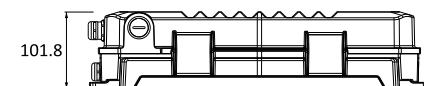


600W: 3.6KG
750W: 4KG

1200W



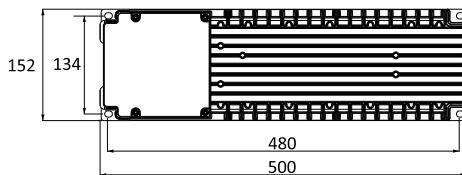
5.0KG



1500W/1800W

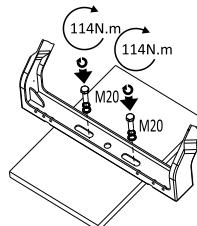
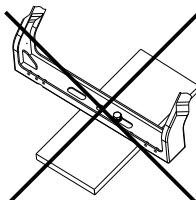
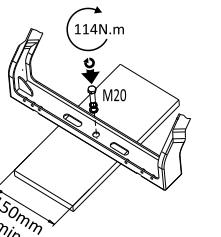
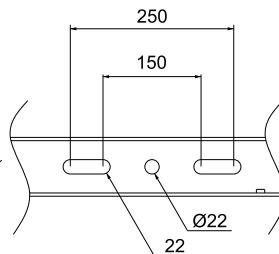
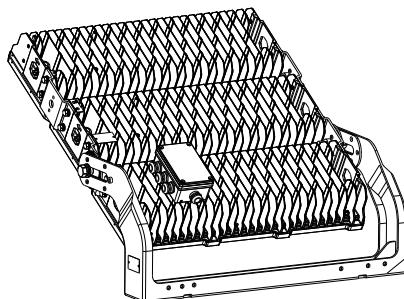


6.37KG



Luminaire Wattage	Input voltage	MCB Type/Number Of Lamps					
		B16	B20	B25	C16	C20	C25
600W	220Vac	2	3	4	3	4	5
	277Vac	3	4	5	4	5	6
	400Vac	3	3	4	3	4	5
	480Vac	3	4	5	4	5	6
750W	220Vac	2	2	3	2	3	4
	277Vac	2	3	4	3	4	5
	400Vac	2	2	3	2	3	4
	480Vac	2	3	4	3	4	5
1200W	220Vac	1	2	2	1	2	3
	277Vac	2	2	3	2	3	3
	400Vac	1	2	2	2	2	3
	480Vac	2	2	3	2	3	3
1500W	220Vac	1	1	1	1	1	2
	277Vac	1	1	2	1	2	2
	400Vac	1	1	1	1	1	2
	480Vac	1	1	2	1	2	2
1800W	220Vac	1	1	1	1	1	2
	277Vac	1	1	2	1	2	2
	400Vac	1	1	1	1	1	2
	480Vac	1	1	2	1	2	2

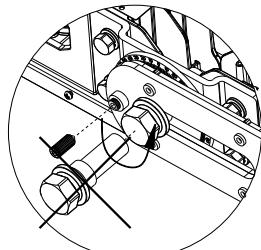
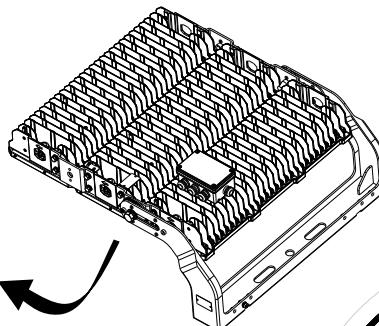
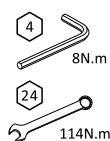
OVERSLUNG INSTALLATION



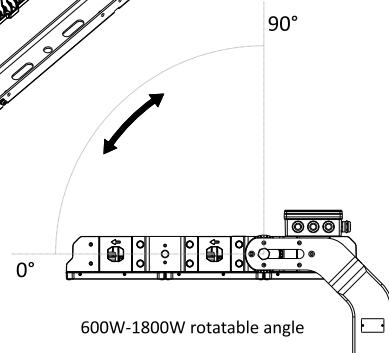
! 1xM20 with extra large washer(not provided)

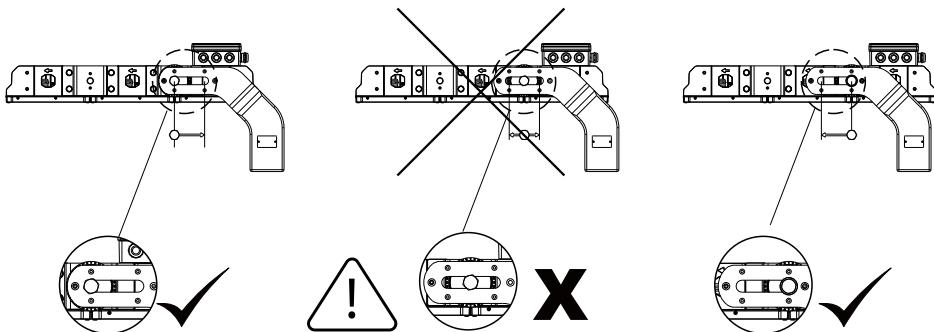
! 2xM20 with extra large washer(not provided)

! In case of using only one fixation point and if the luminaire is higher >3m, the use of a 2nd fixing security system is needed.



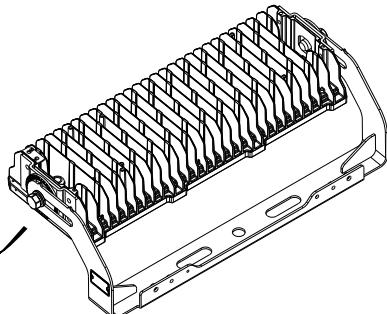
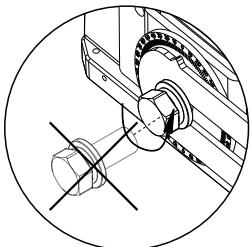
Don't pull out the bolt when you rotate the luminaire





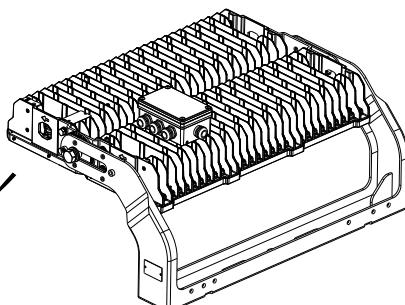
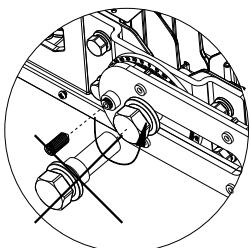
UNDERSLING INSTALLATION

600W/750W

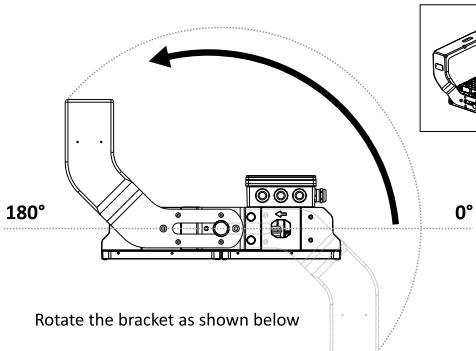


Don't pull out the bolt when you rotate the luminaire

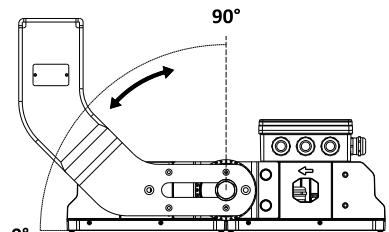
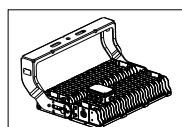
1200W/1500W



Don't pull out the bolt when you rotate the luminaire



Rotate the bracket as shown below



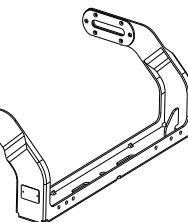
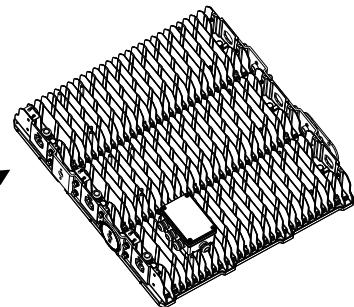
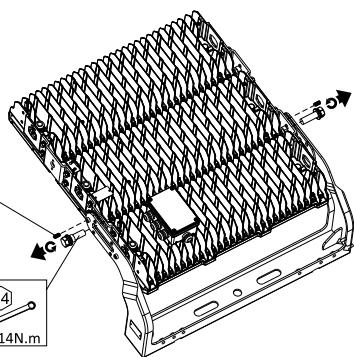
1800W



ON

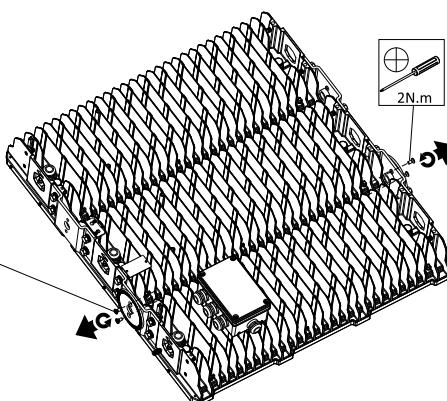
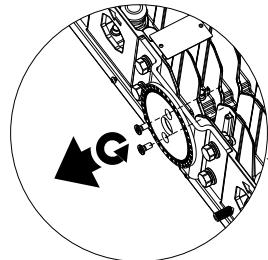


1148



2-M8

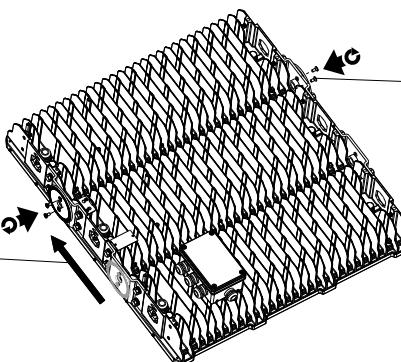
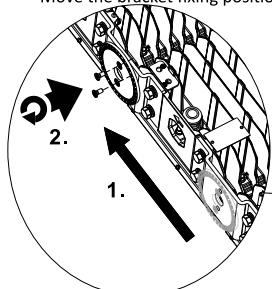
2-M16



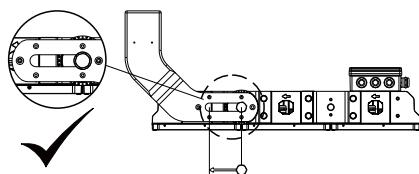
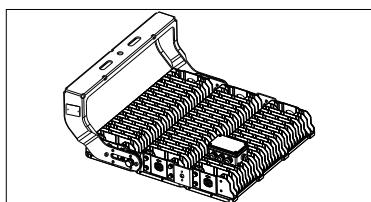
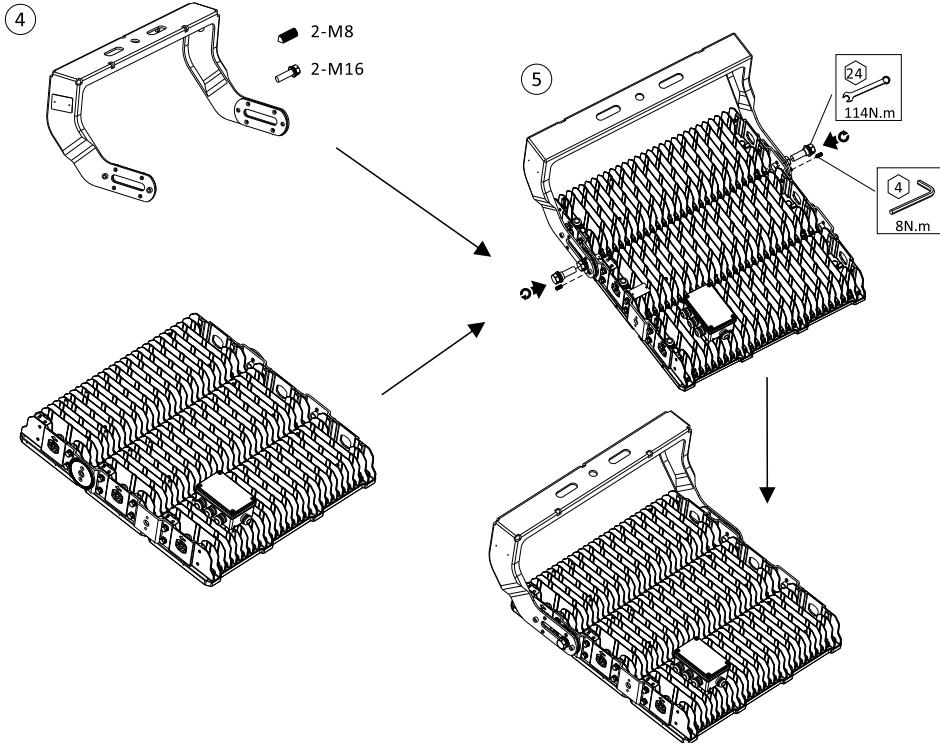
2N m



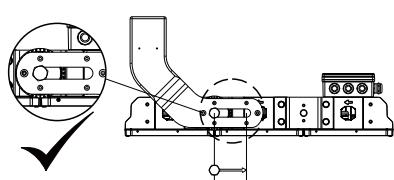
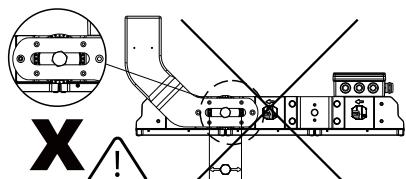
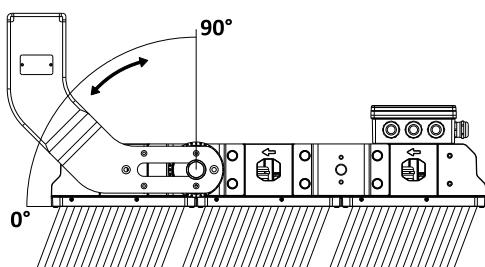
Move the bracket fixing position



2N 8



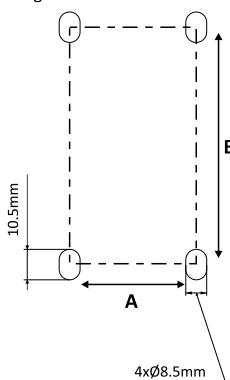
600W-1800W rotatable angle



REMOTE DRIVER BOXES INSTALLATION

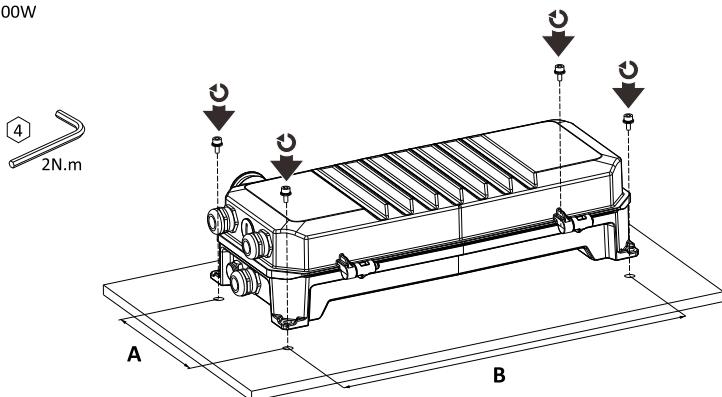
A. Installation of driver boxes on surface

Drilling recommendation

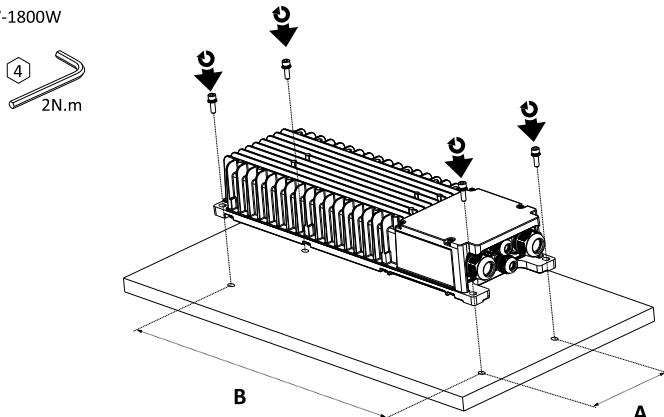


Power	600/750W	1200W	1500W	1800W
Distance A	139mm			134mm
Distance B	363mm	425mm	375mm	480mm
Screws (not provided)				4xM5

600-1200W



1500W-1800W



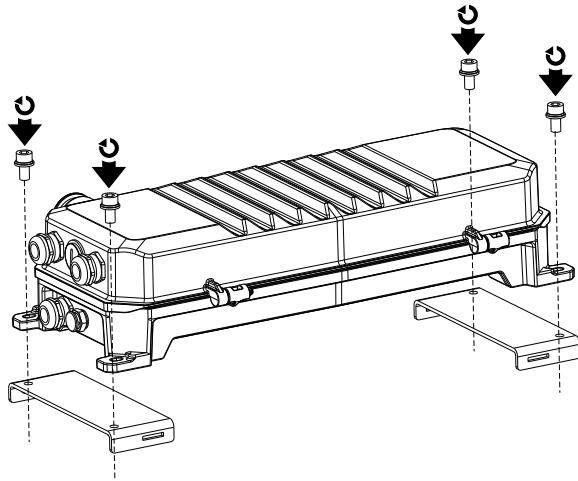
B. Installation of driver boxes on pole (Optional)

600-1200W

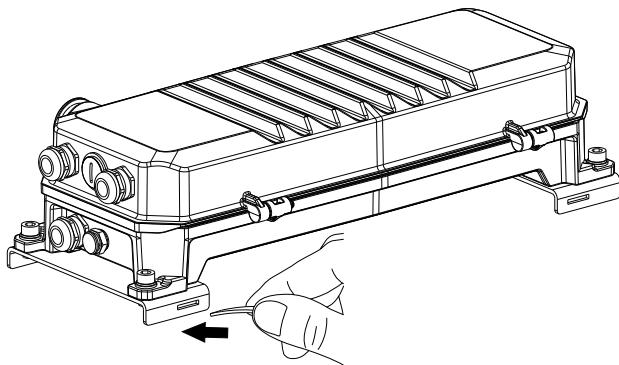
①

M5
4PCS
2 N.m

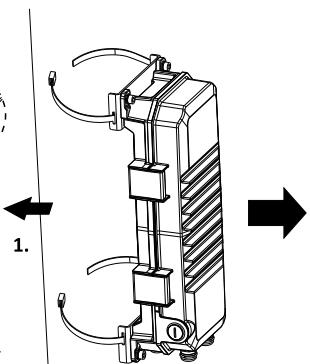
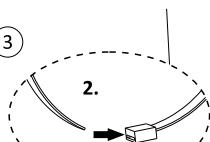
2PCS



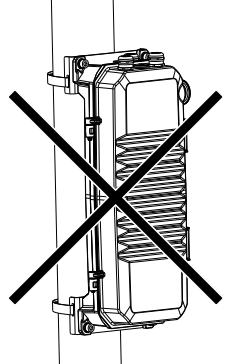
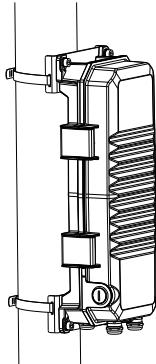
②



③

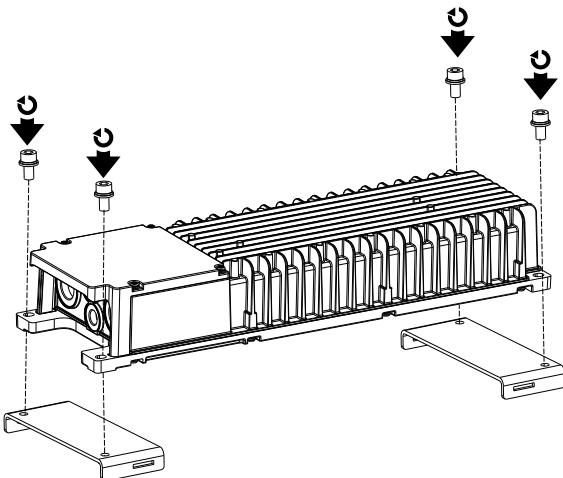
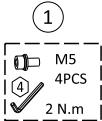


Size:
Ø130~300mm

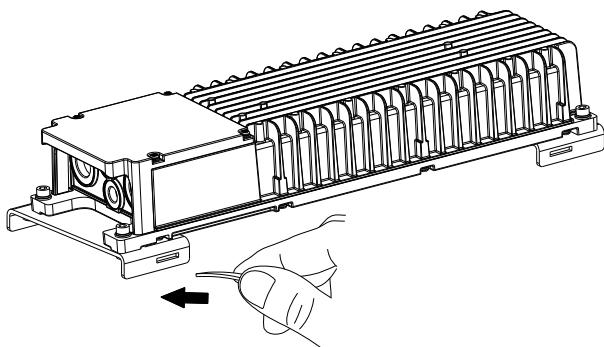


Cable glands oriented toward the ground.

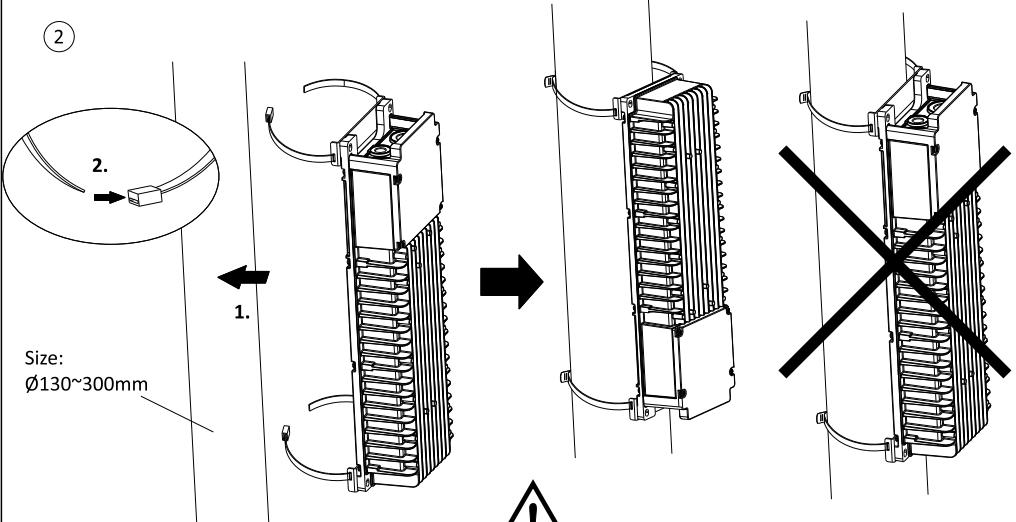
1500W-1800W



②



②



Size:
Ø130~300mm

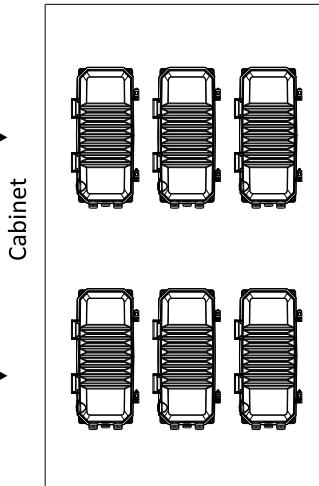


Cable glands oriented toward the ground.

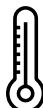
C. Installation of driver boxes in cabinet

600W-1200W

Each driver box in the cabinet has to be in vertical position.



It is highly recommended to select a painted cabinet enclosure with high reflectance ratio to protect from solar radiant energy.

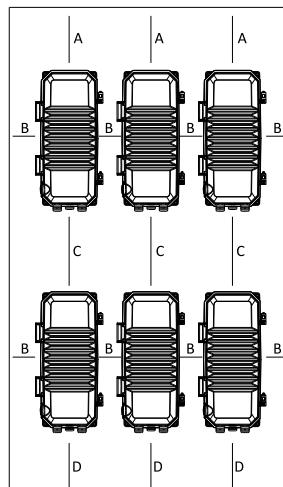


Cables

An active cooling can be added in the cabinet to guarantee a maximum temperature of 45°C all along the year.

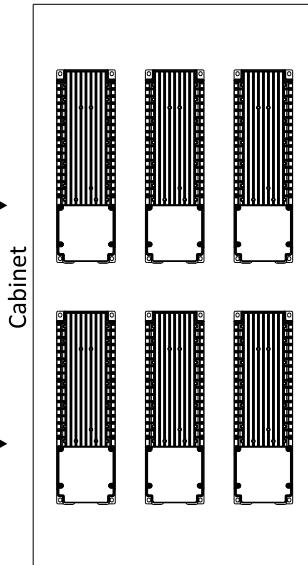
The distances between driver boxes or wall have to be higher than:

ITEM	DISTANCE
A	Min 80 mm
B	Min 80 mm
C	Min 120 mm
D	Min 150 mm

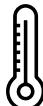


If you cannot follow the instructions, a thermal study must be done in order to respect T_c of the drivers below $T_{c\ max}$, T_c of the driver must be checked.

Each driver box in the cabinet has to be in vertical position.



It is highly recommended to select a painted cabinet enclosure with high reflectance ratio to protect from solar radiant energy.

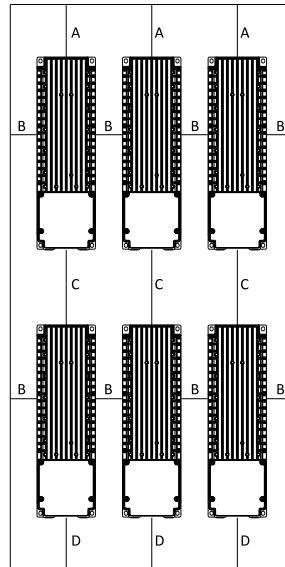


An active cooling can be added in the cabinet to guarantee a maximum temperature of 45°C all along the year.

Cables

The distances between driver boxes or wall have to be higher than:

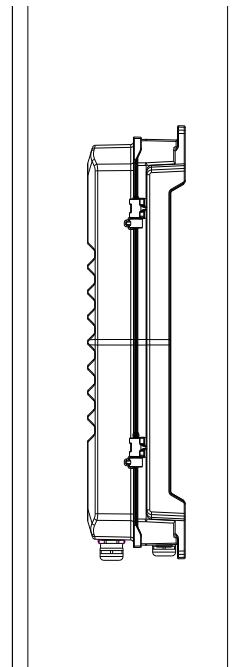
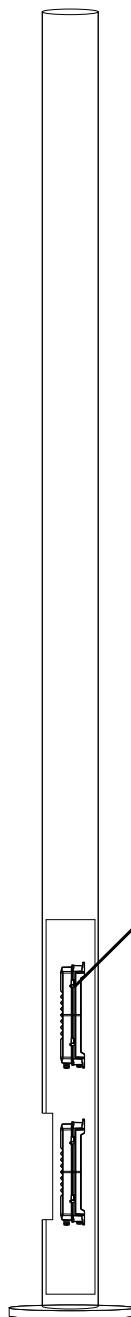
ITEM	DISTANCE
A	Min 80 mm
B	Min 80 mm
C	Min 120 mm
D	Min 150 mm



If you cannot follow the instructions, a thermal study must be done in order to respect T_c of the drivers below T_c max, T_c of the driver must be checked.

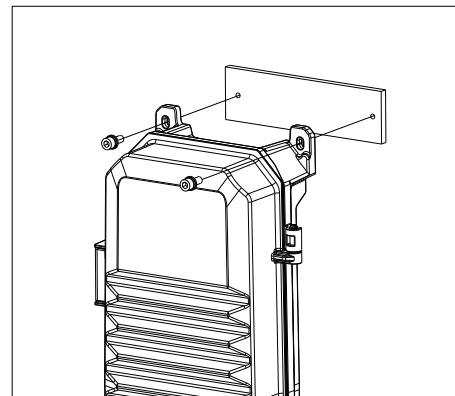
D.Installation of driver boxes in the mast(optional)

600W-1800W

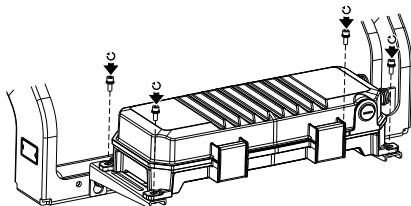
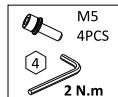
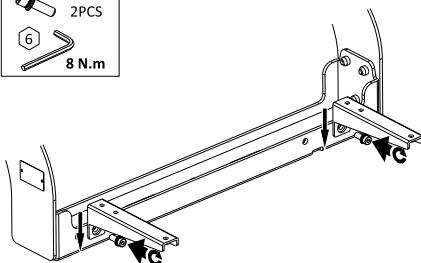
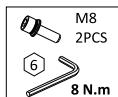


minimum width of the door: 250mm
minimum height of the door: 600mm
minimum inner diameter of the pole: 240mm

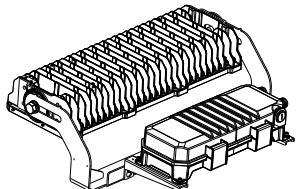
Depending of the driver fixation in the mast, please select the most suitable hook(no provided).



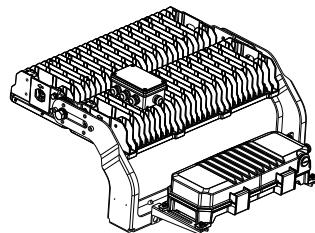
INSTALLATION OF DRIVER BOXES ON THE LUMINAIRE



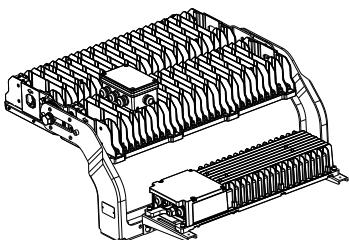
600W-750W



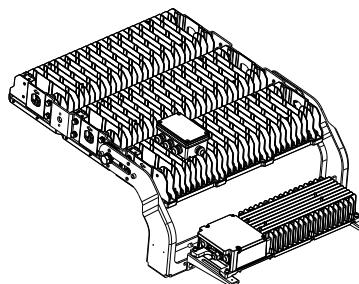
1200W



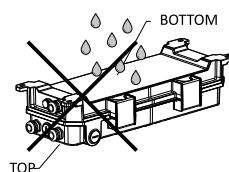
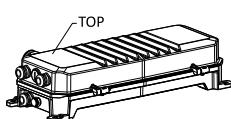
1500W



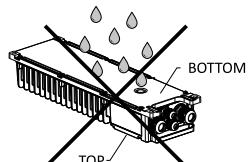
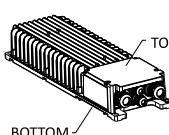
1800W



The driver box cannot be upside down.



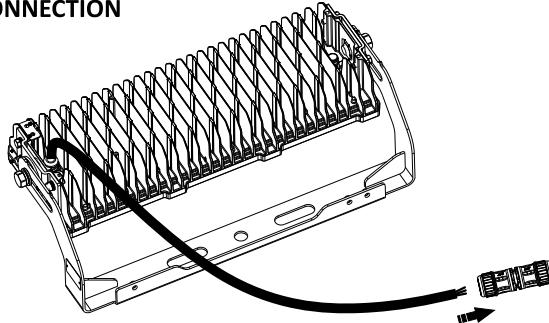
The driver box cannot be upside down.



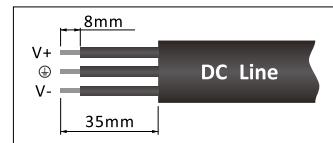
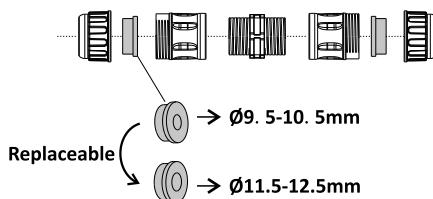
ELECTRICAL CONNECTION

600W-750W

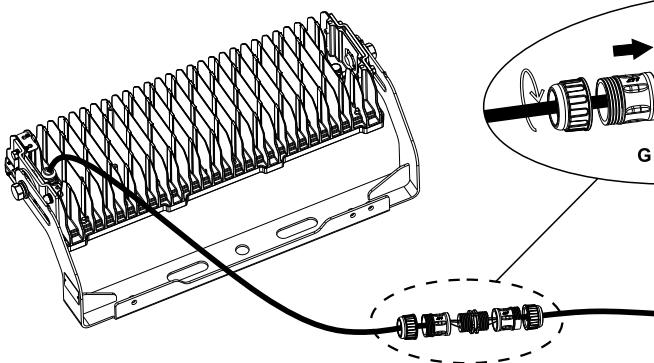
①



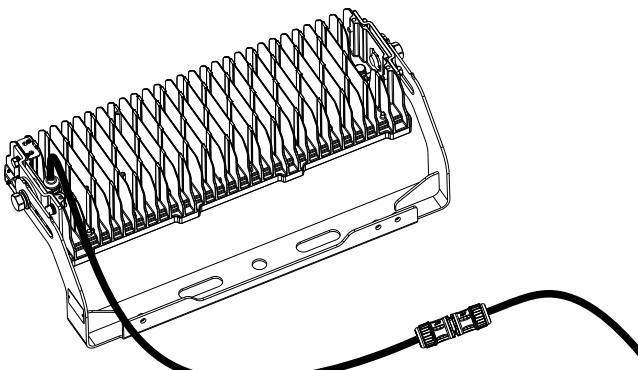
②



Ensure the terminal is tightened completely



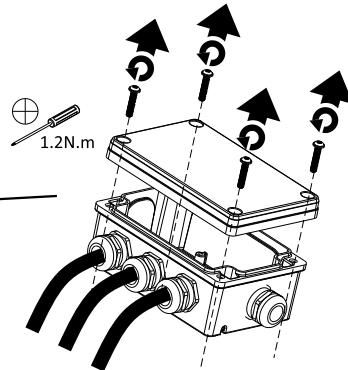
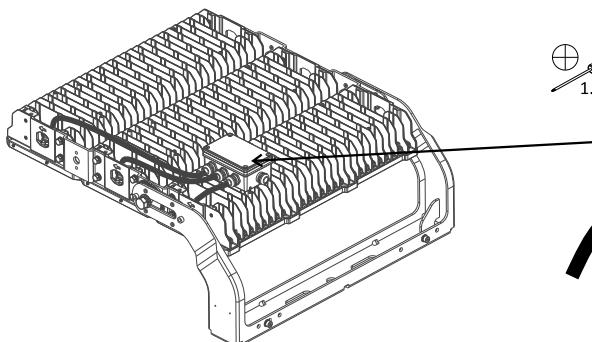
③



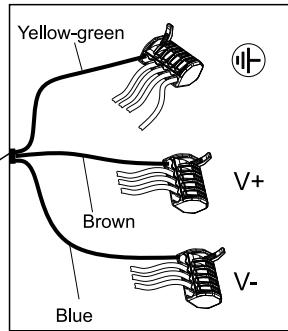
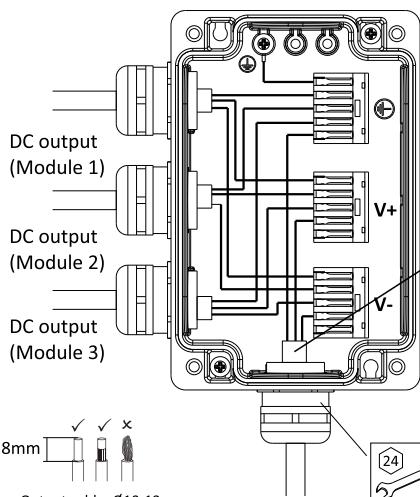
Wiring connection box

* Please ensure the PE wire is well connected for grounding purpose.

1



2

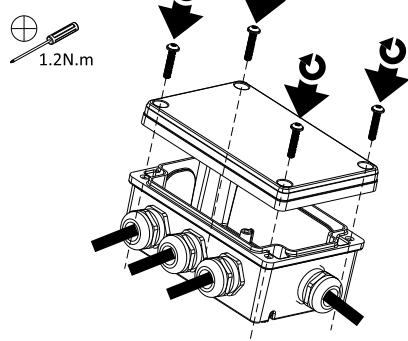


8mm²
Output cable: Ø10-13mm

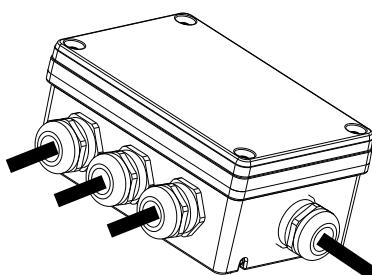
24

4N.m

3

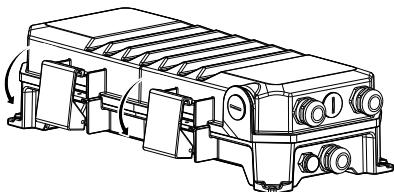


4

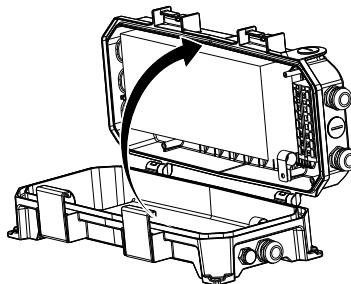


Wiring driver box

①

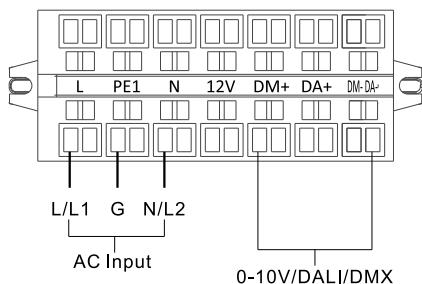
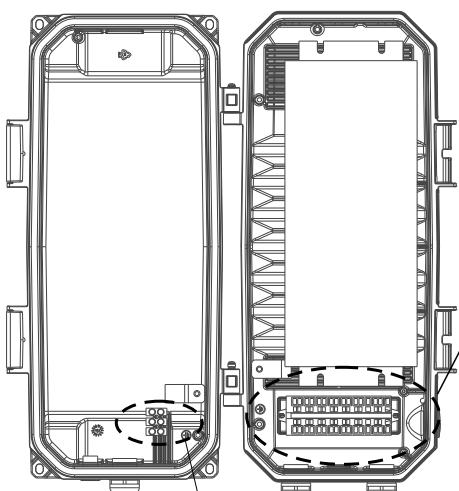


②



③

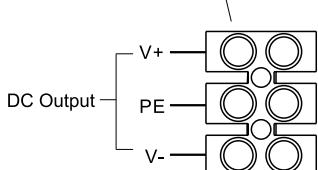
600W-1200W

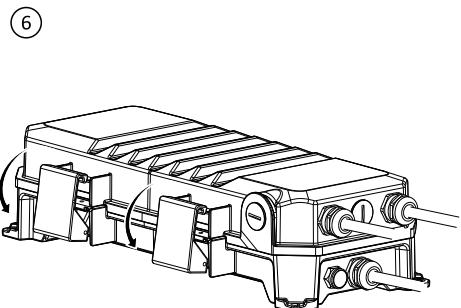
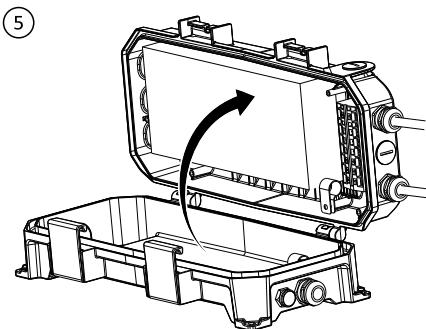


DC Line diameter:
 $\varnothing 10\text{-}13\text{mm}$ (7.5N.m)

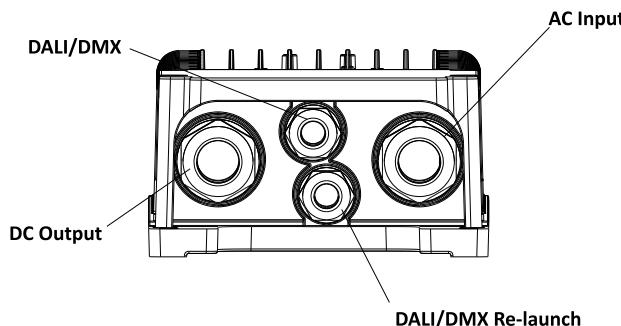
DIM/DALI Line diameter(M16): $\varnothing 5\text{-}8\text{mm}$
(2.5N.m)

AC Line diameter(M20): $\varnothing 10\text{-}13\text{mm}$ (7.5N.m)

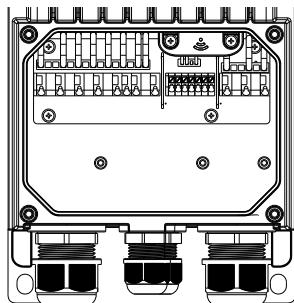
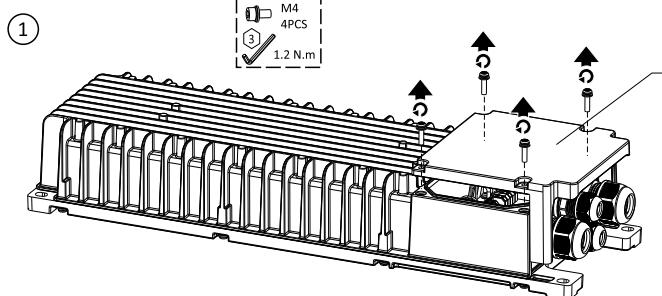




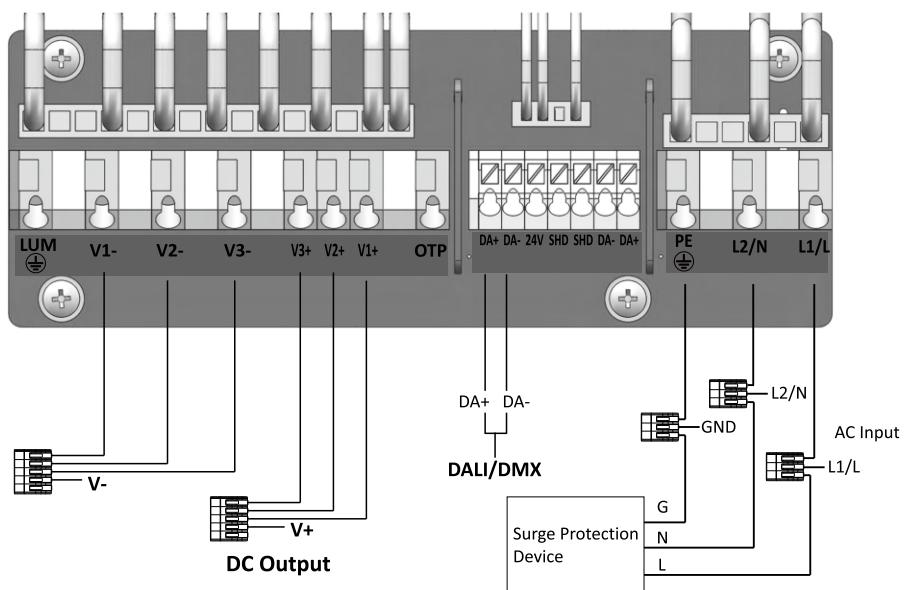
1500W-1800W



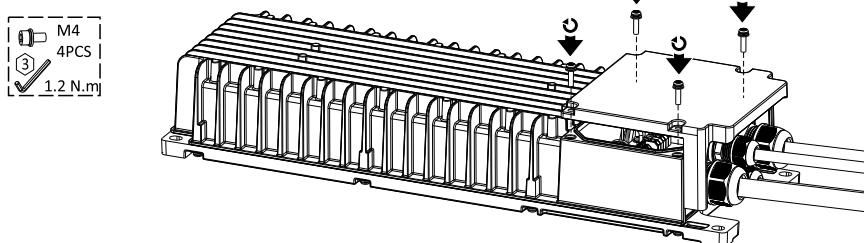
Connection	Cable Gland	Torque (N.m)	Cable Diameter (mm)	Cable AWG	Cable Section (mm ²)	Strip Length (mm)
AC Input	M25	5.5	7-12	16-14	1.5-2.5	9-10
DC Output	M25	5.5	7-12	16-14	1.5-2.5	
DALI/DMX	M16	2.5	6.5-10	18-16	0.75-1.5	
DALI/DMX Re-launch	M16	2.5	6.5-10	18-16	0.75-1.5	



② 1500W-1800W

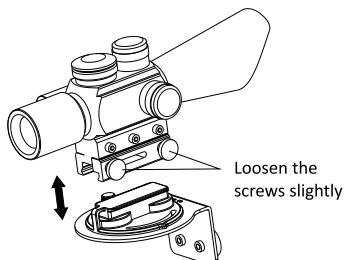


③

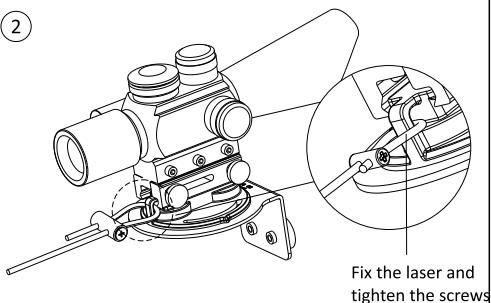


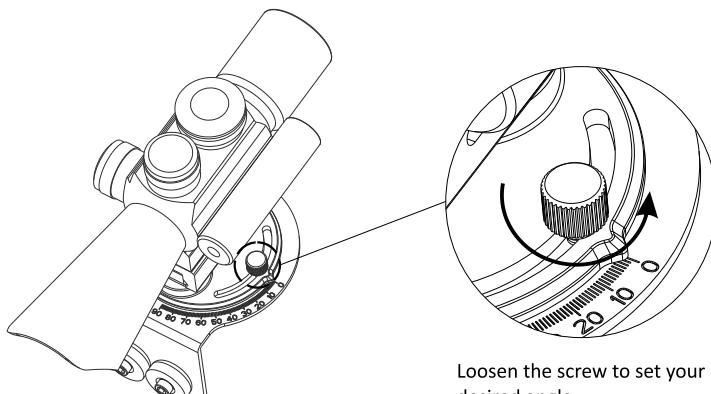
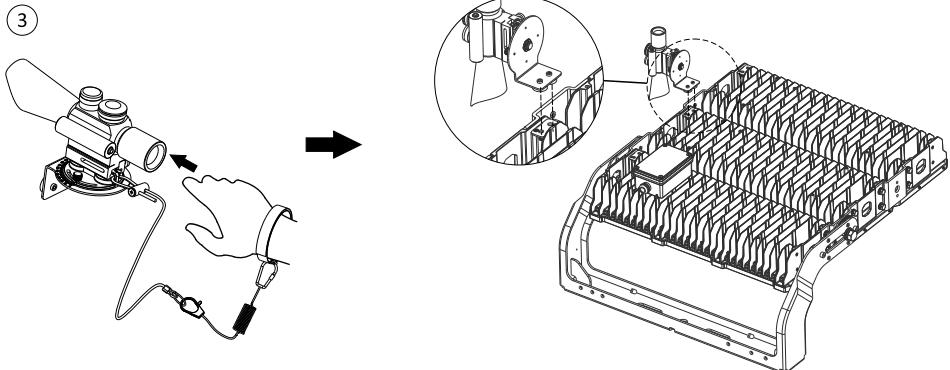
AIMING DEVICE MOUNT

①

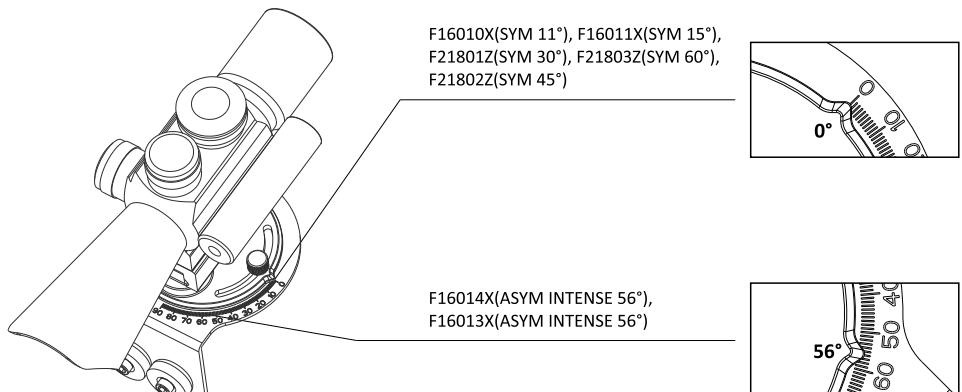


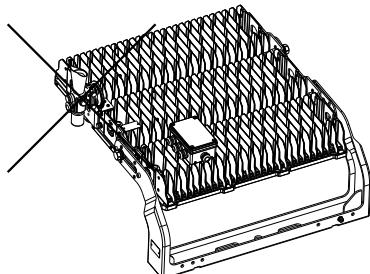
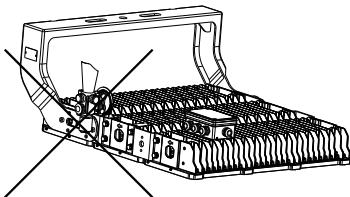
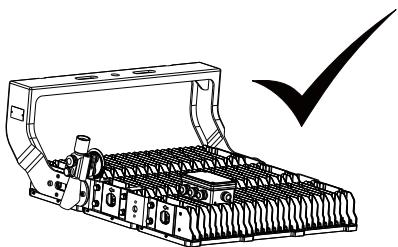
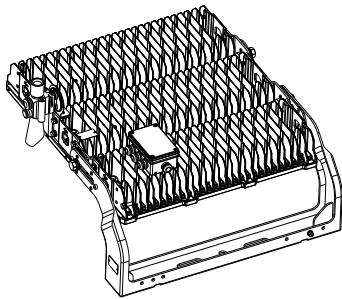
②





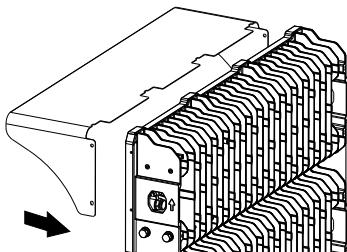
Loosen the screw to set your
desired angle.
(The default angle is 0°.)



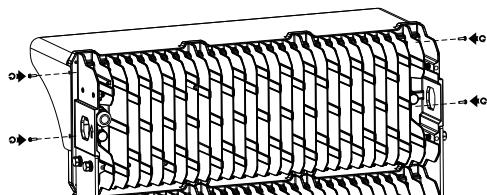


VISOR MOUNT

①

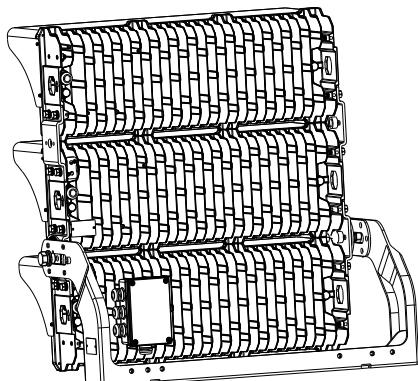


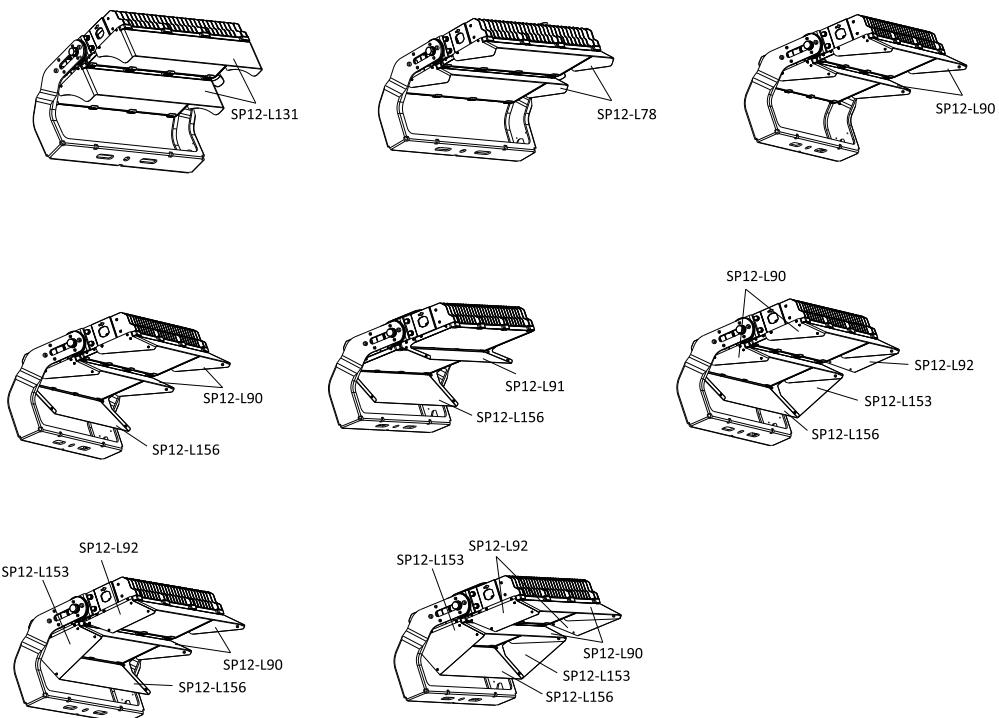
②



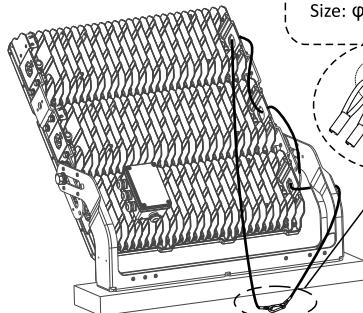
M4
4PCS
1.2 N.m

③





SAFETY ROPE MOUNT



Rigging keychain
Size: $\varnothing 8\text{mm} \times 80\text{mm}$



* When installing the safety rope, please ensure the safety rope pass through the holes of the luminaire.

