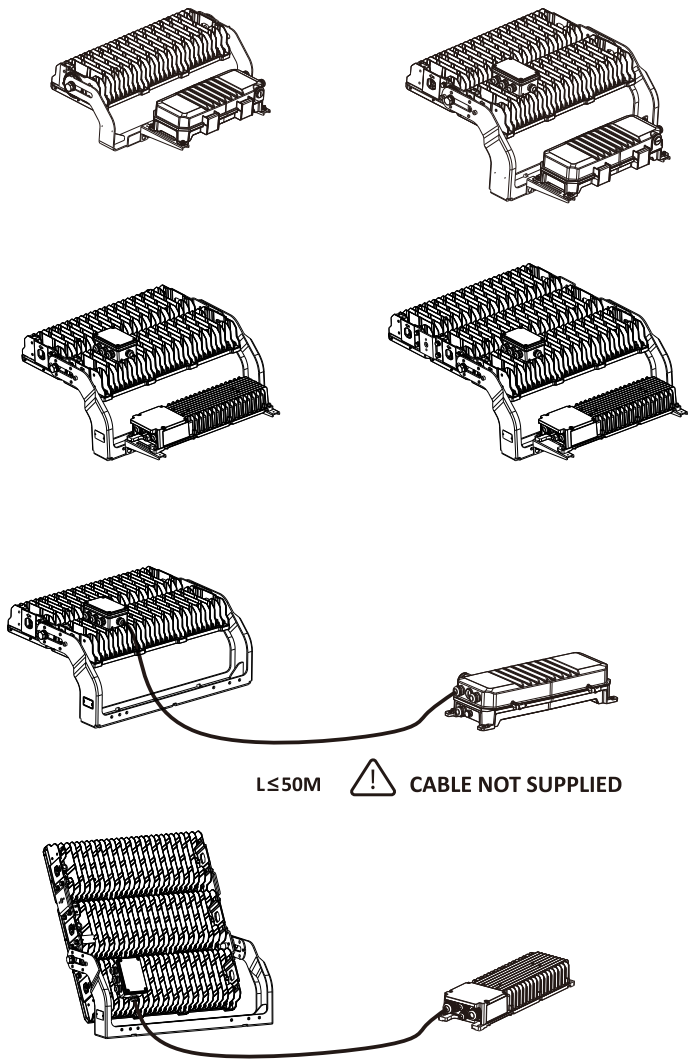


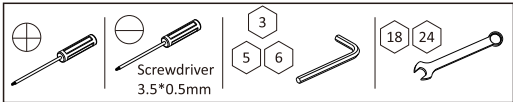
MODULUX LED C5 1.0

LUXON

INSTALLATION MANUAL



Tool set is not included.



IP66



IK08

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.

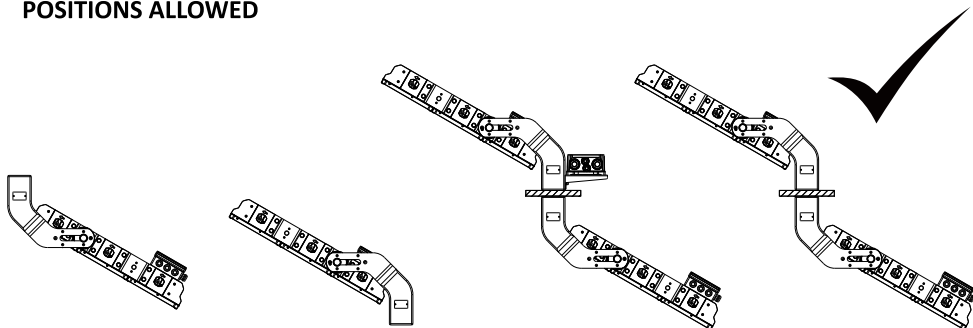
Make sure the luminaire is not covered with material that will prevent convection or conduction cooling.

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

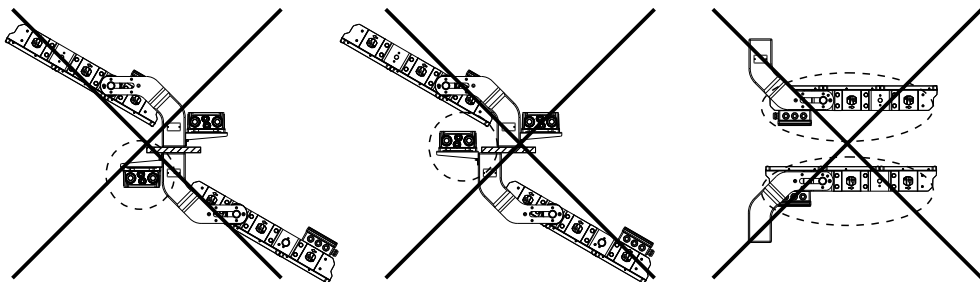
Any deterioration in the cables should be noted and reported to a suitably qualified electrician who will advise an appropriate course of action.

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

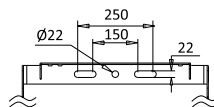
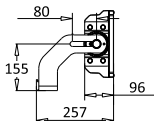
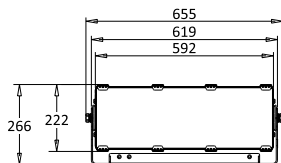


POSITIONS NOT ALLOWED



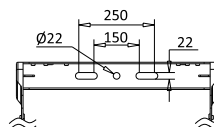
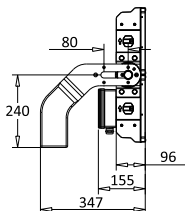
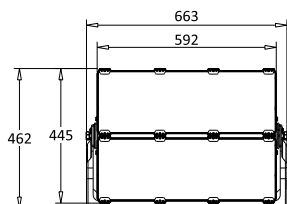
LUMINAIRE (Unit: mm)

600W/750W



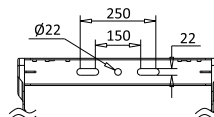
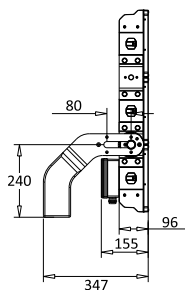
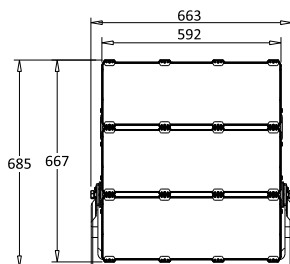
kg
11.5KG

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

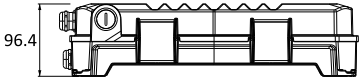
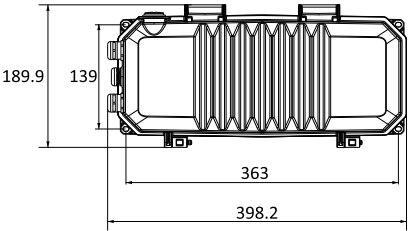
Luminaire Windage Area(SCx) with visor SP12-L78

							
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

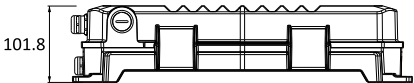
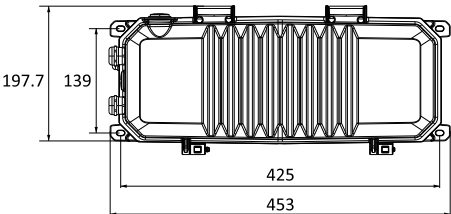
DRIVER BOX (Unit: mm)

600W/750W



600W: 3.6KG
750W: 4KG

1200W

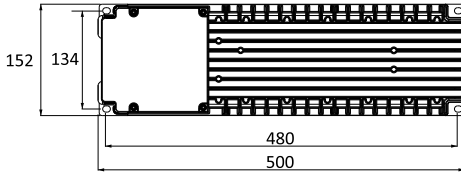


5.0KG

1500W/1800W

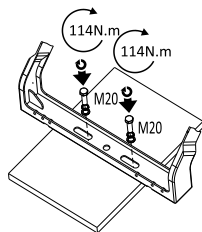
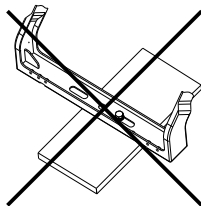
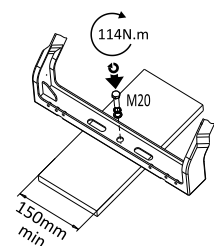
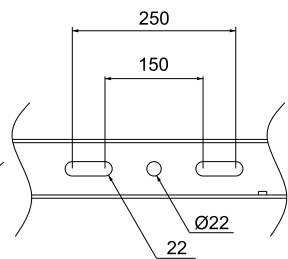
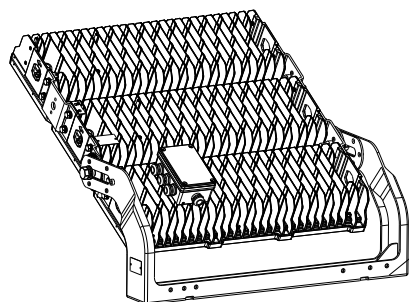


6.37KG



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



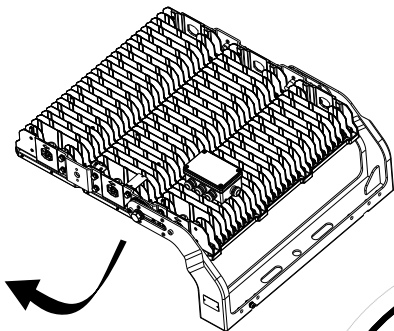
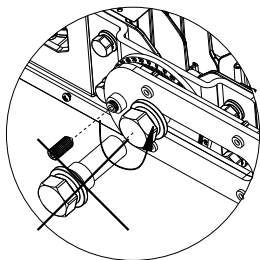
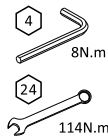
1xM20 with extra large washer(not provided)



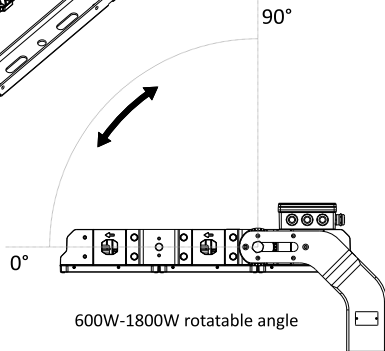
2xM20 with extra large washer(not provided)

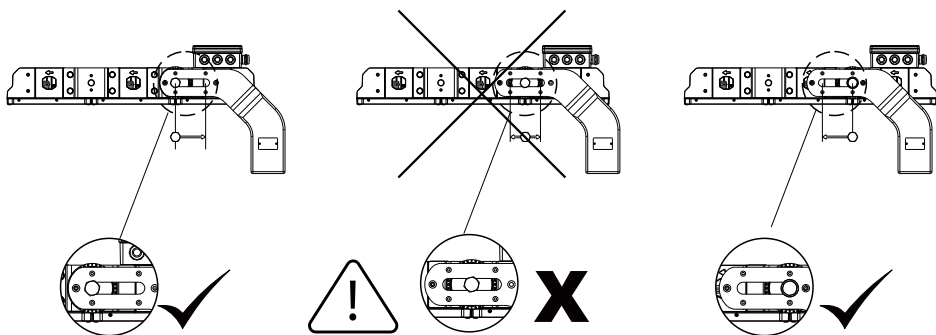


In case of using only one fixation point and if the luminaire is higher >3m, the use of a 2nd fixing security system is needed.



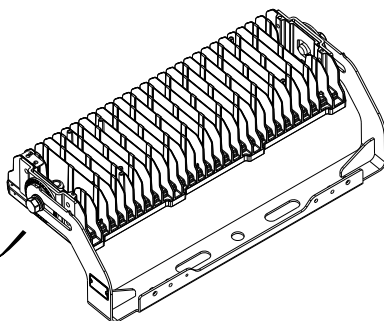
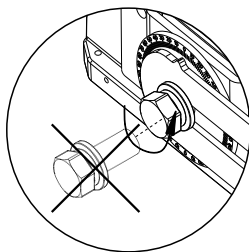
Don't pull out the bolt when you rotate the luminaire





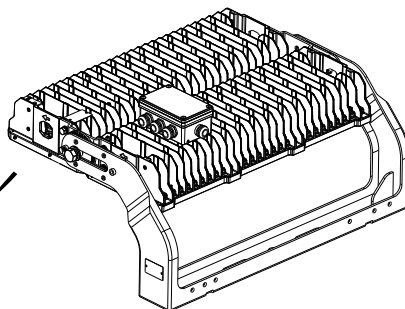
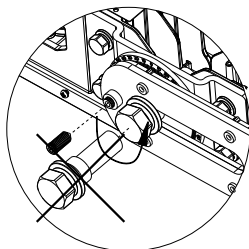
UNDERSLUNG INSTALLATION

600W/750W

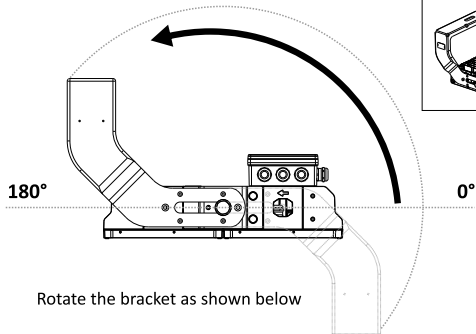
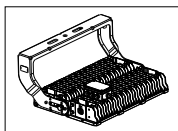


Don't pull out the bolt when you rotate the luminaire

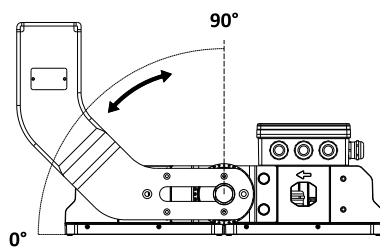
1200W/1500W



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

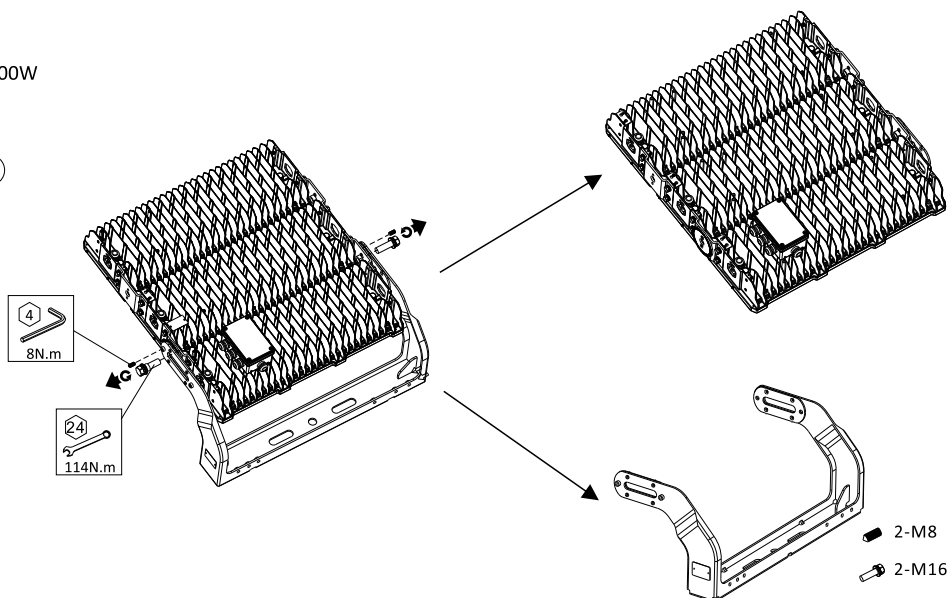


Rotate the bracket as shown below

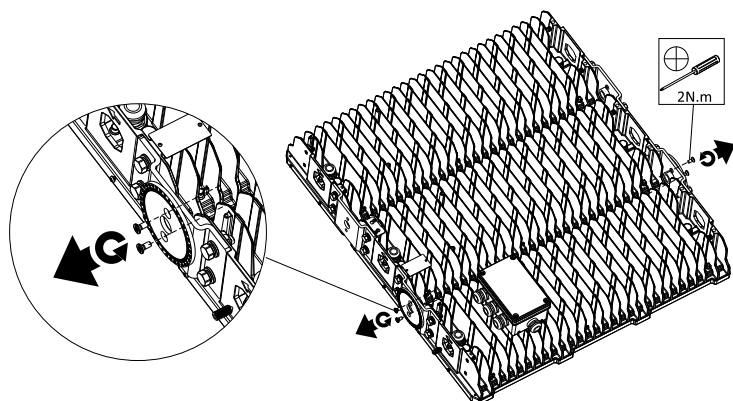


1800W

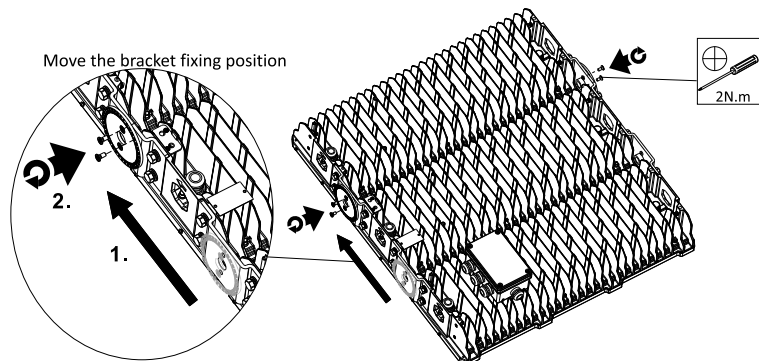
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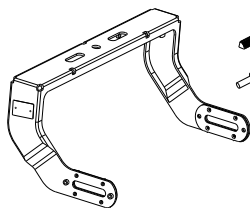
②



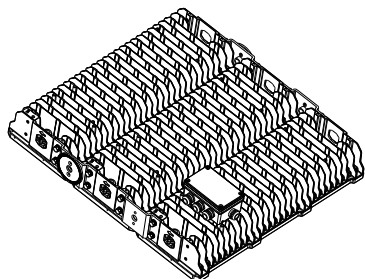
③



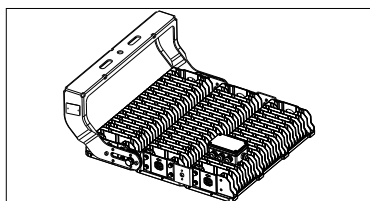
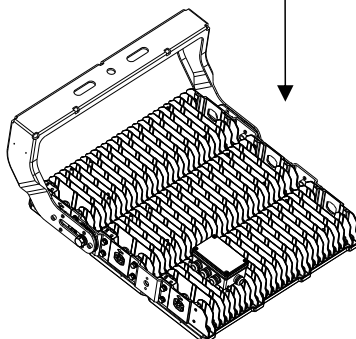
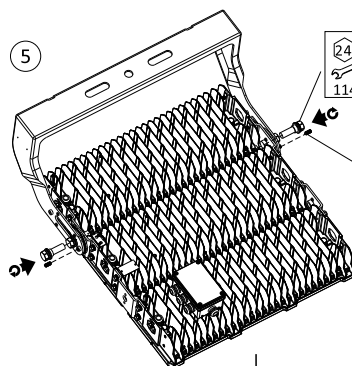
4



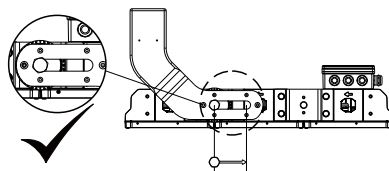
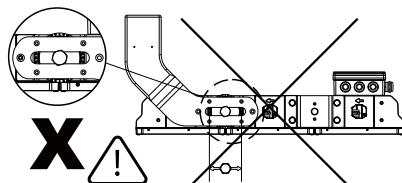
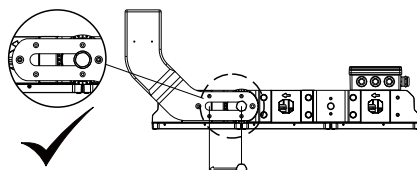
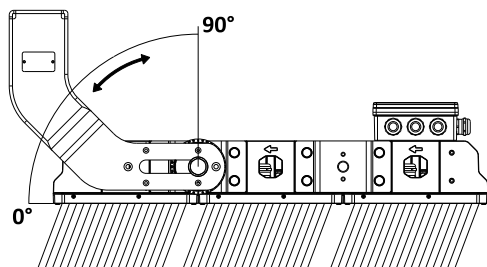
2-M8
2-M16



5



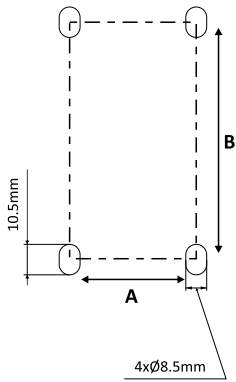
600W-1800W rotatable angle



REMOTE DRIVER BOXES INSTALLATION

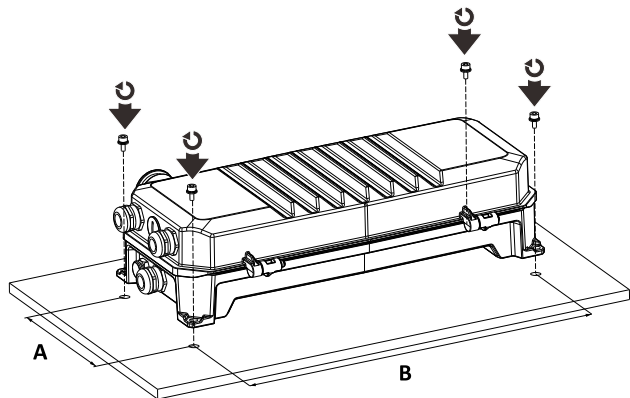
A.Installation of driver boxes on surface

Drilling recommendation

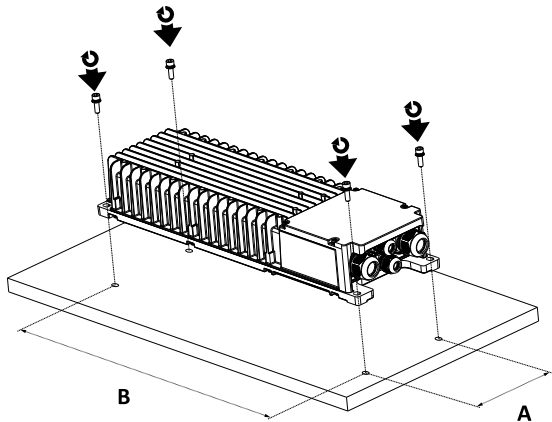


Power	600/750W	1200W	1500W	1800W
Distance A	139mm		134mm	
Distance B	363mm	425mm	375mm	480mm
Screws (not provided)	4xM5			

600-1200W



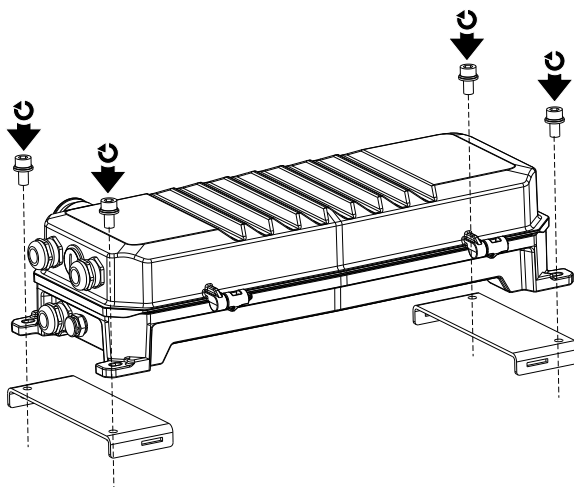
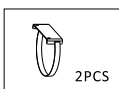
1500W-1800W



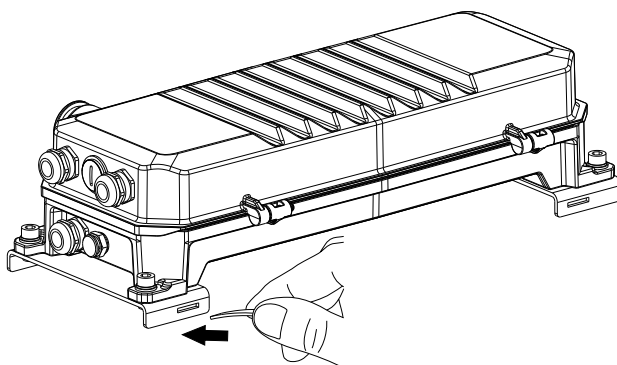
B. Installation of driver boxes on pole (Optional)

600-1200W

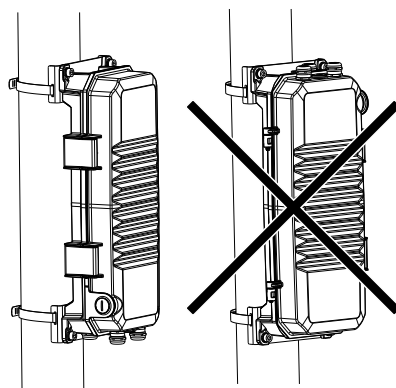
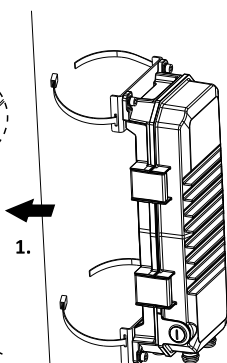
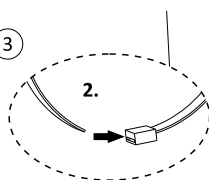
①



②



③



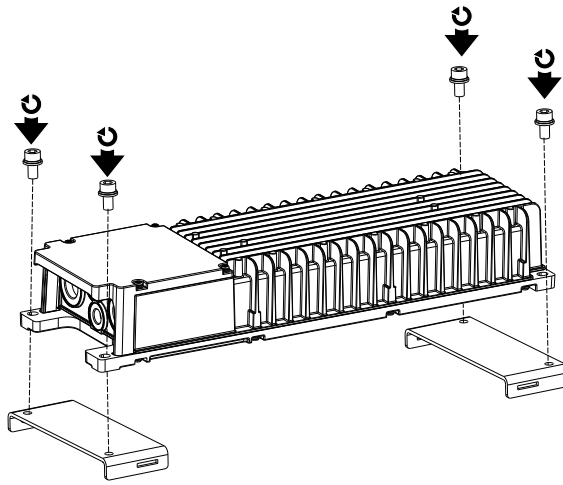
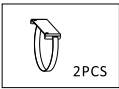
Size:
Ø130~300mm



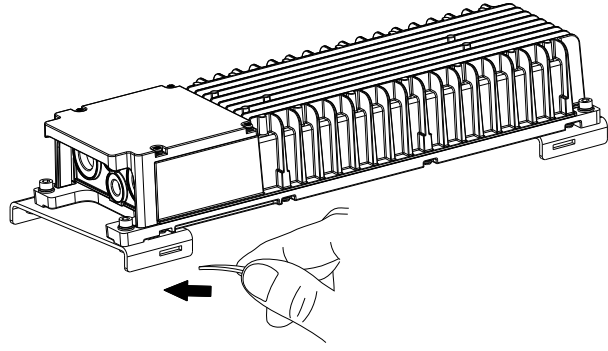
Cable glands oriented toward the ground.

1500W-1800W

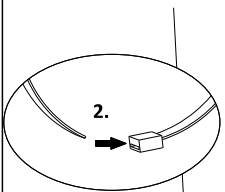
①



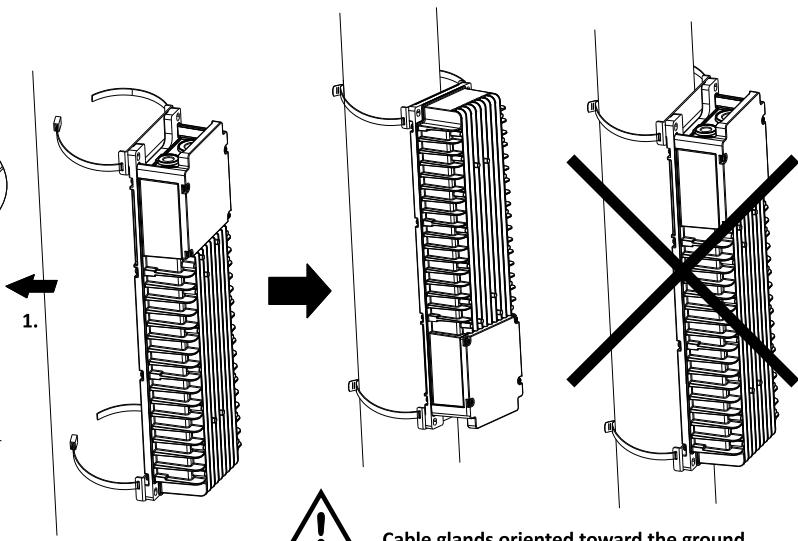
②



②



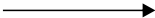
Size:
Ø130~300mm



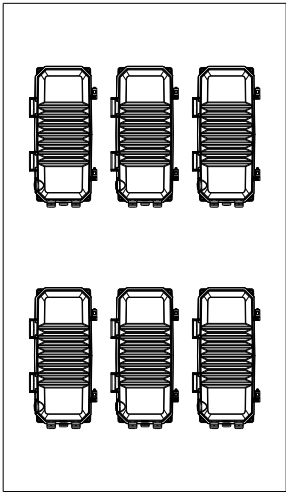
Cable glands oriented toward the ground.

C.Installation of driver boxes in cabinet
600W-1200W

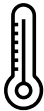
Each driver box in the cabinet has to be in vertical position.



Cabinet



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



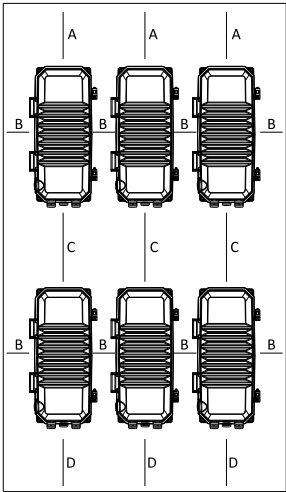
An active cooling can be added in the cabinet to guarantee a maximum temperature of 45°C all along the year.

Cables

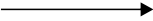
The distances between driver boxes or wall have to be higher than:

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

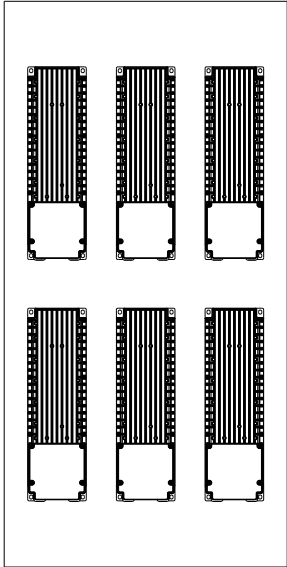
If you cannot follow the instructions, a thermal study must be done in order to respect Tc of the drivers below Tc max, Tc of the driver must be checked.



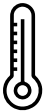
Each driver box in the cabinet has to be in vertical position.



Cabinet



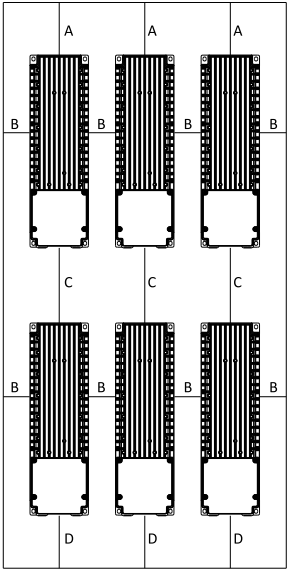
It is highly recommended to select a painted cabinet enclosure with high reflectance ratio to protect from solar radiant energy.



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

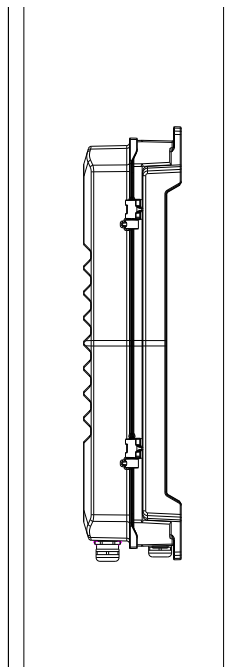
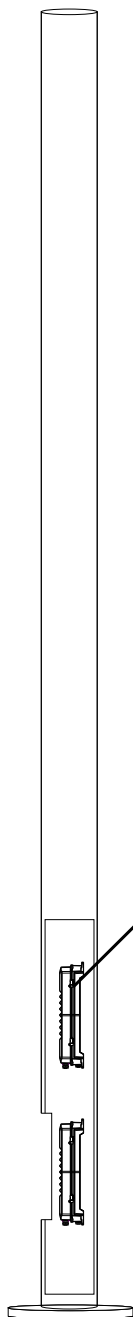
The distances between driver boxes or wall have to be higher than:

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



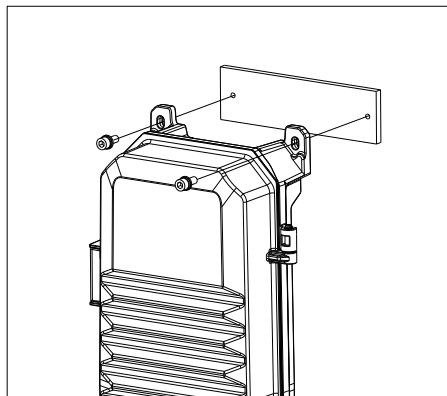
If you cannot follow the instructions, a thermal study must be done in order to respect Tc of the drivers below Tc max, Tc of the driver must be checked.

D.Installation of driver boxes in the mast(optional)
600W-1800W

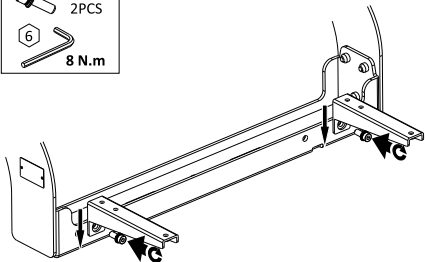
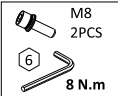


minimum width of the door: 250mm
minimum height of the door: 600mm
minimum inner diameter of the pole: 240mm

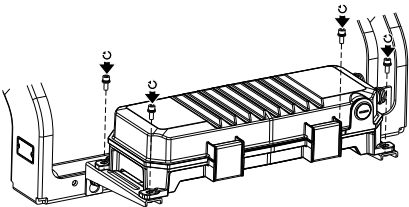
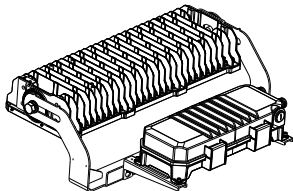
Depending of the driver fixation in the mast, please
select the most suitable hook(no provided).



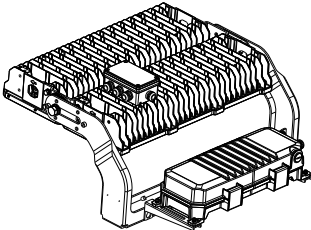
INSTALLATION OF DRIVER BOXES ON THE LUMINAIRE



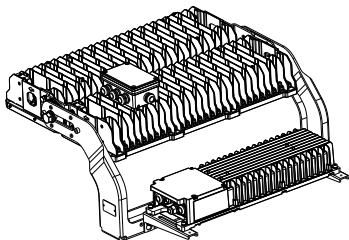
600W-750W



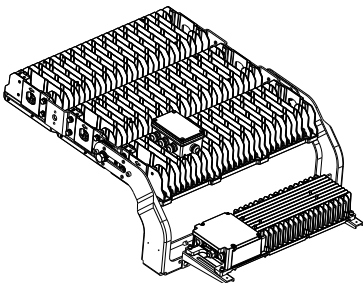
1200W



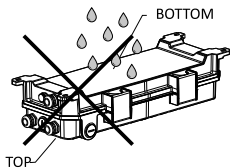
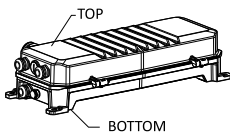
1500W



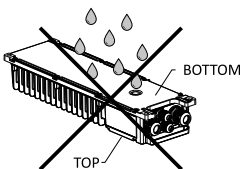
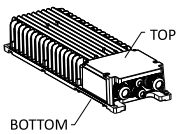
1800W



The driver box cannot be upside down.



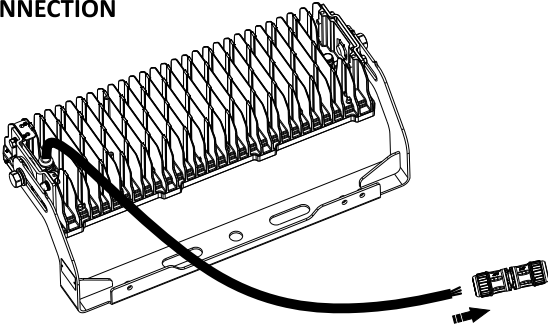
The driver box cannot be upside down.



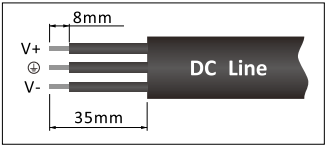
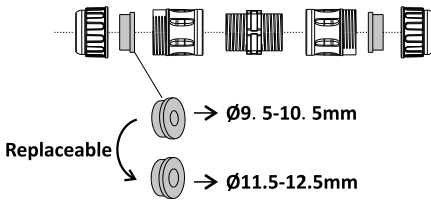
ELECTRICAL CONNECTION

600W-750W

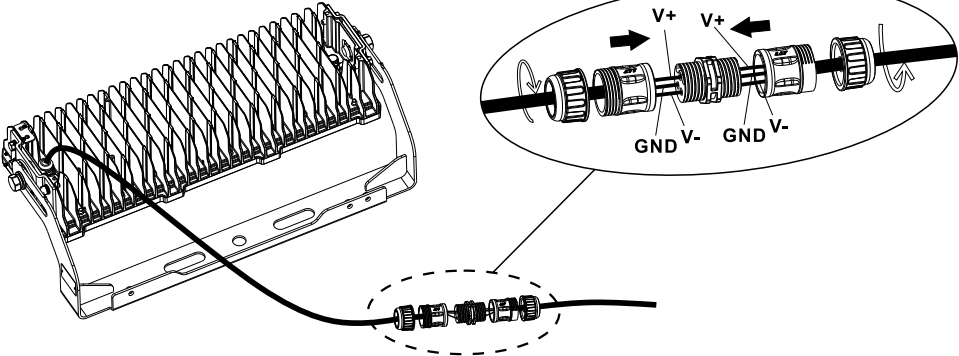
1



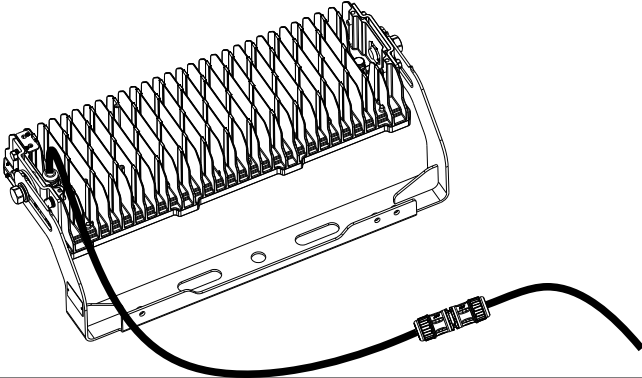
2



Ensure the terminal is tightened completely



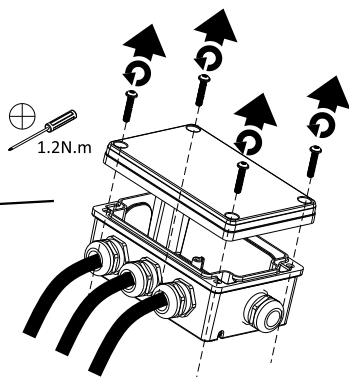
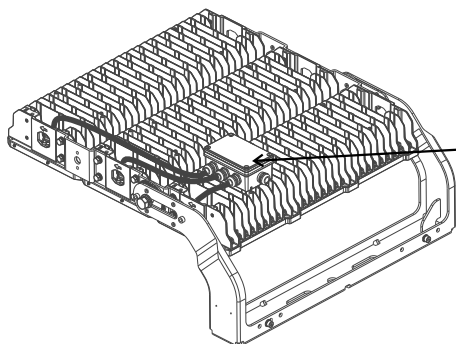
3



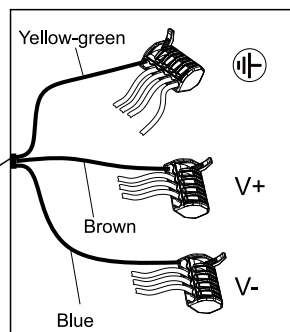
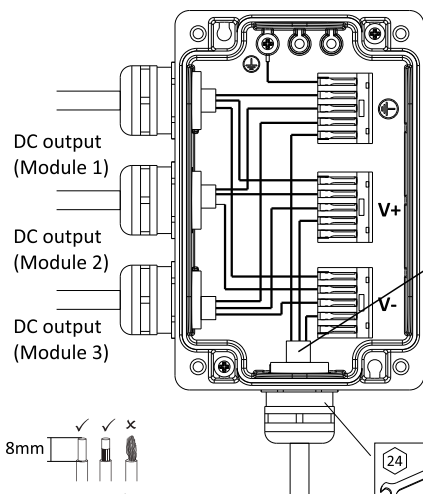
Wiring connection box

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

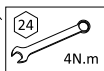
①



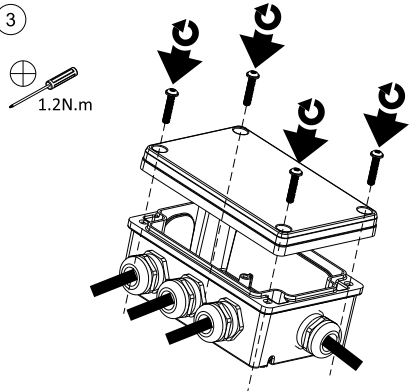
②



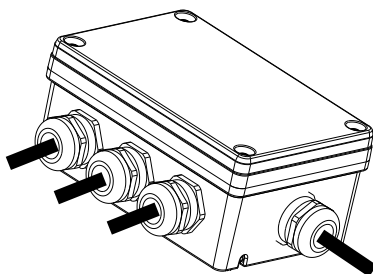
8mm ✓ ✓ ✗
Output cable: Ø10-13mm



③

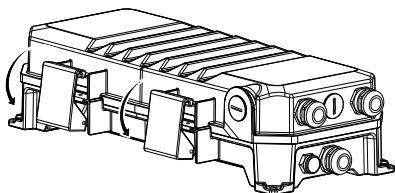


④

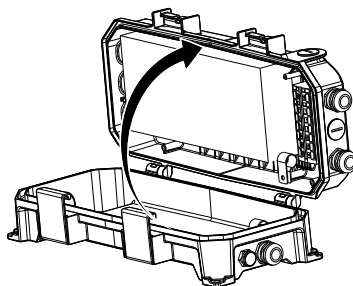


Wiring driver box

①

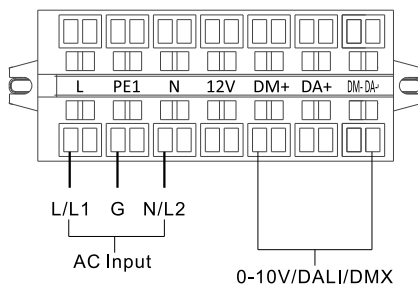
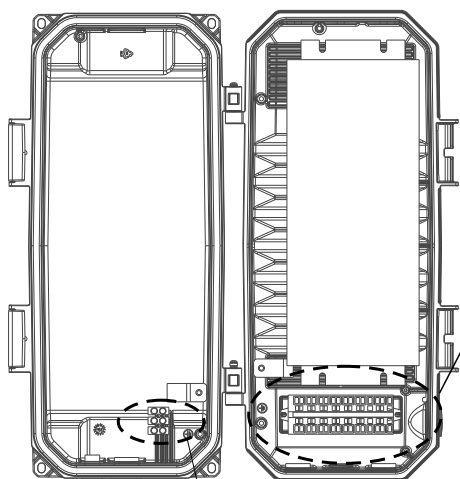


②



③

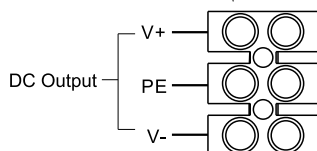
600W-1200W



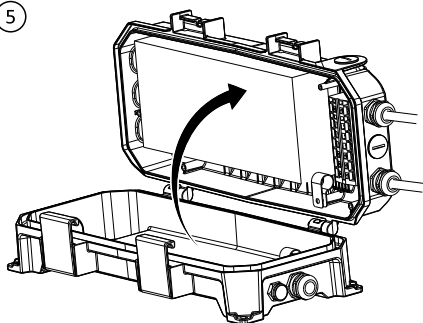
DC Line diameter:
Ø10-13mm(7.5N.m)

DIM/DALI Line diameter(M16): Ø5~8mm
(2.5N.m)

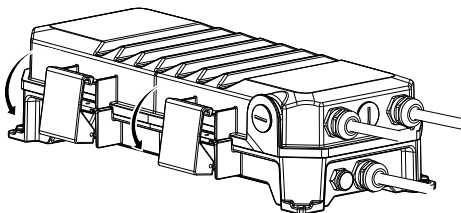
AC Line diameter(M20): Ø10-13mm(7.5N.m)



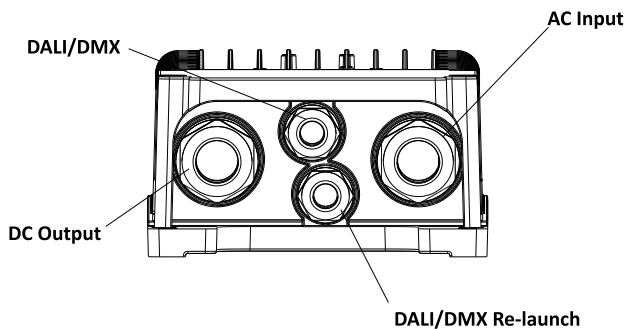
5



6

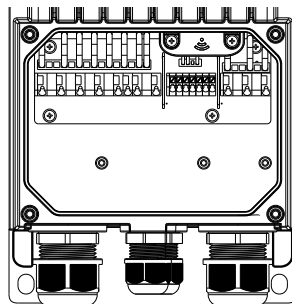
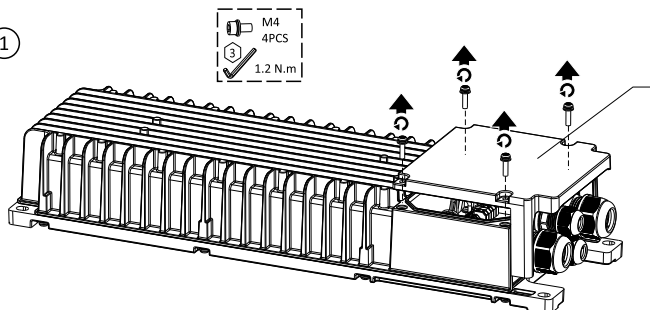


1500W-1800W

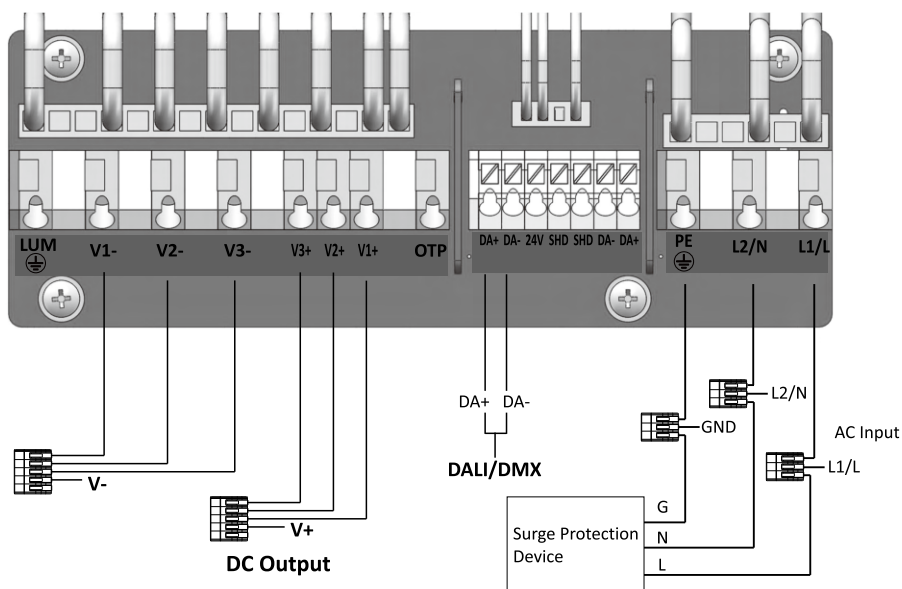


Connection	Cable Gland	Torque (N.m)	Cable Diameter (mm)	Cable AWG	Cable Section (mm ²)	Strip Length (mm)
AC Input	M25	5.5	7-12	16-14	1.5-2.5	9-10
DC Output	M25	5.5	7-12	16-14	1.5-2.5	
DAL/DMX	M16	2.5	6.5-10	18-16	0.75-1.5	
DALI/DMX Re-launch	M16	2.5	6.5-10	18-16	0.75-1.5	

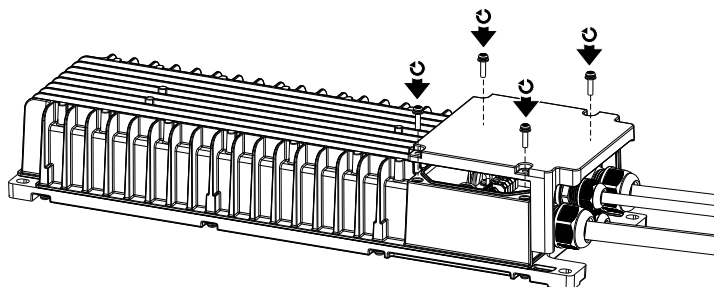
1



② 1500W-1800W

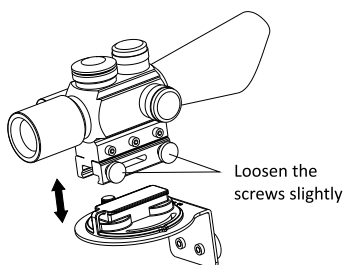


③

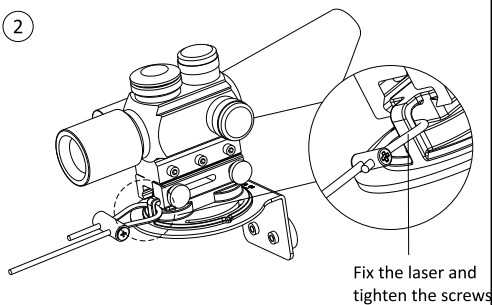


AIMING DEVICE MOUNT

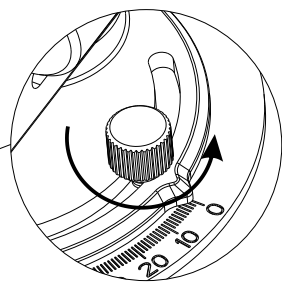
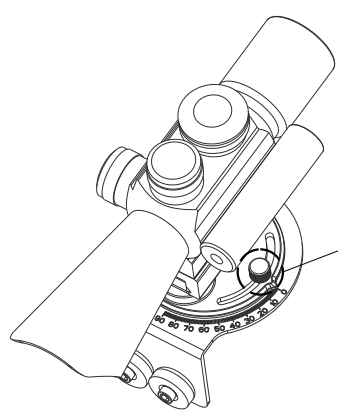
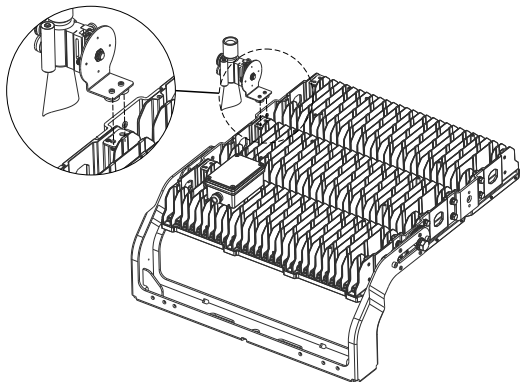
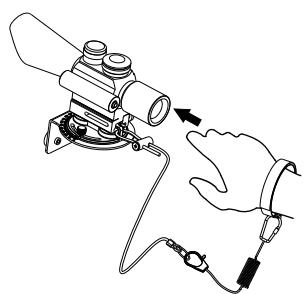
①



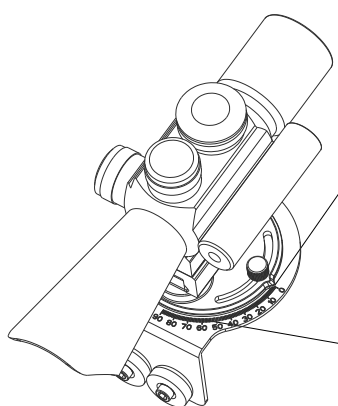
②



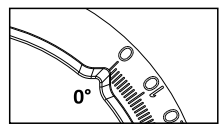
3



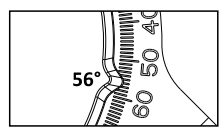
Loosen the screw to set your desired angle.
(The default angle is 0°.)

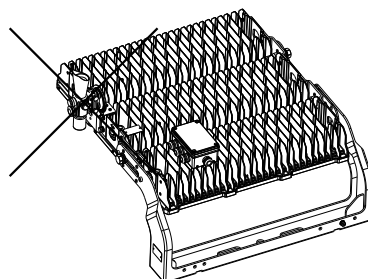
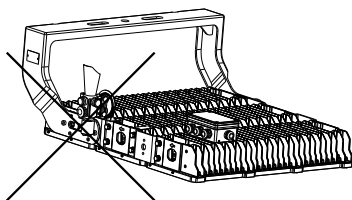
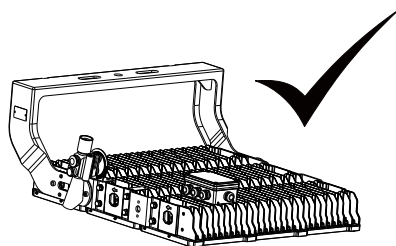
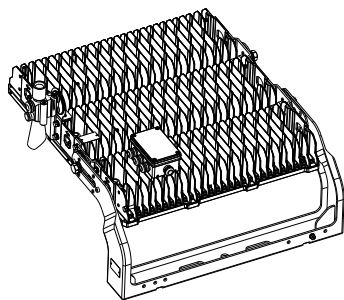


F16010X(SYM 11°), F16011X(SYM 15°),
F21801Z(SYM 30°), F21803Z(SYM 60°),
F21802Z(SYM 45°)



F16014X(ASYM INTENSE 56°),
F16013X(ASYM INTENSE 56°)

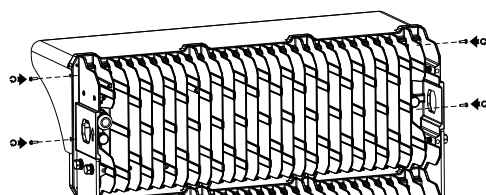
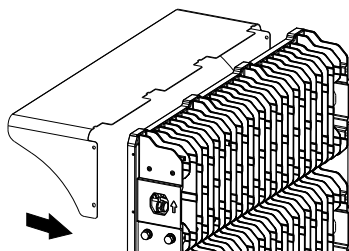
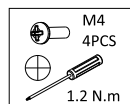




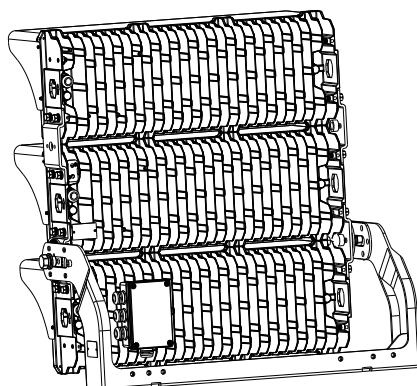
VISOR MOUNT

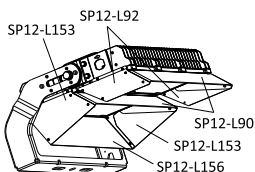
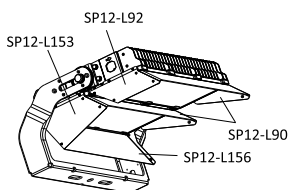
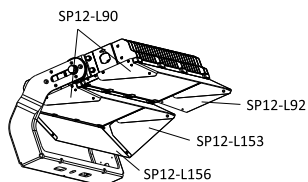
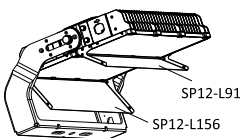
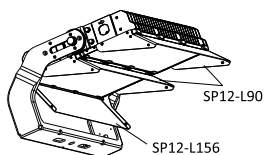
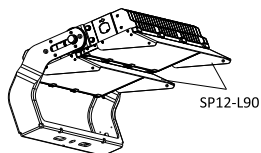
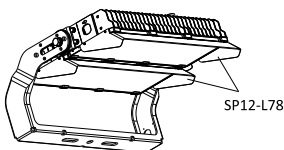
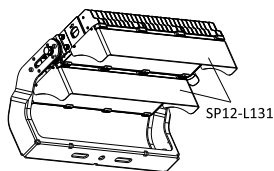
①

②

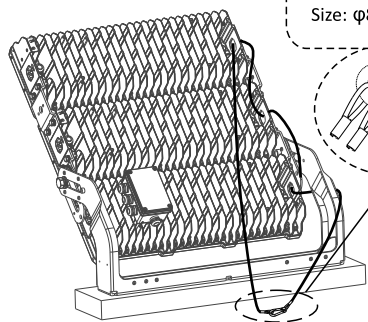


③

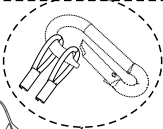




SAFETY ROPE MOUNT



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



Safety steel wire rope
Size: $\varnothing 3\text{mm} \times 3\text{m}$

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

