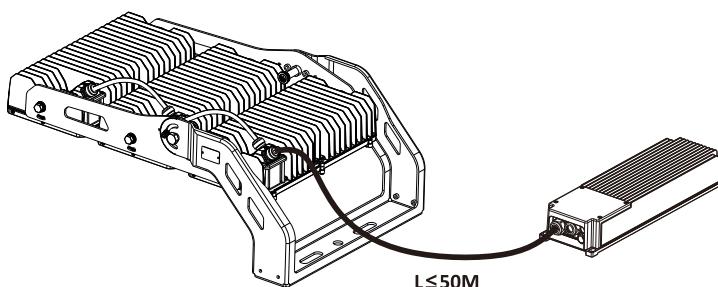
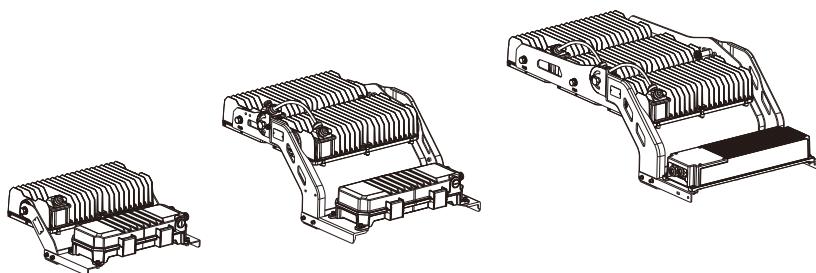


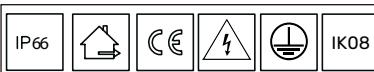
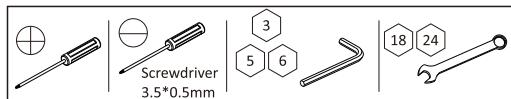
INSTALLATION MANUAL



 **Cable is not included**

If the power supply box must be mounted at a distance exceeding 50 meters from the luminaire, please contact the sales department for a solution.

Tool set is not included.



READ AND FOLLOW ALL SAFETY INSTRUCTIONS. KEEP THIS MANUAL FOR FUTURE REFERENCE!

!WARNING

To avoid electric shock:

Installation and wiring of the luminaire must be performed in accordance with applicable local regulations. Installation, inspection, and maintenance of lighting fixtures should be performed by a qualified electrician.

DO NOT make holes or modify existing holes in the luminaire housing.

DO NOT modify the luminaire.

DO NOT install a damaged product.

Ensure that the electrical power is turned off before and during installation and maintenance.

Ensure that the device is properly grounded.

Ensure that the supply voltage complies with the rated voltage of the luminaire.

During maintenance:

Use the luminaire only in the location for which it is intended.

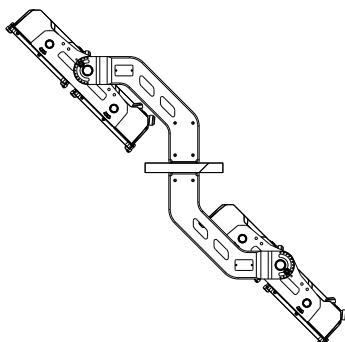
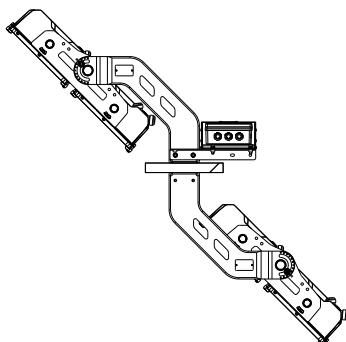
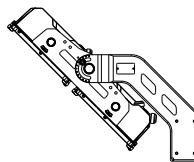
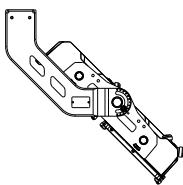
Ensure that the luminaire is not covered by any material that restricts convection cooling or heat conduction.

It is recommended to perform regular visual, electrical, and mechanical inspections and to clean the product with non-aggressive agents.

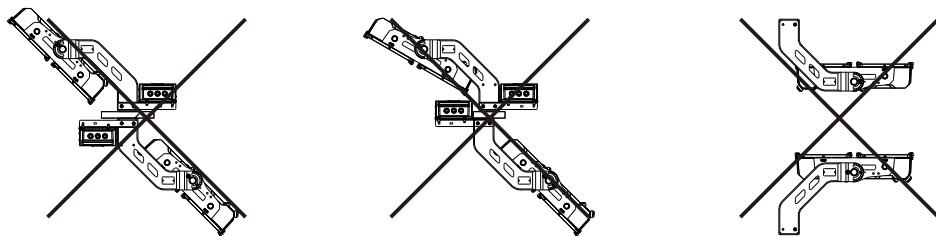
Any damage to the cables should be noted and reported to a qualified electrician who will determine further actions.

The Surge Protection Device (SPD) will require replacement after its service life expires. This should be checked during annual maintenance inspections.

ALLOWED POSITIONS

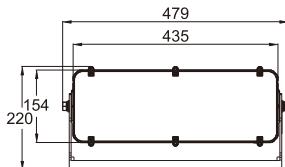


PROHIBITED POSITIONS



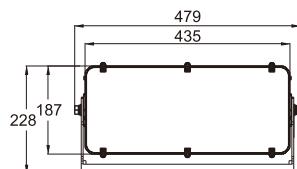
DIMENSIONS (mm)

400W



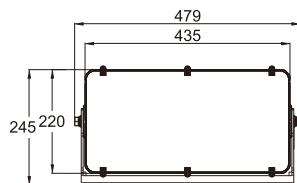
kg
6.3KG

480W



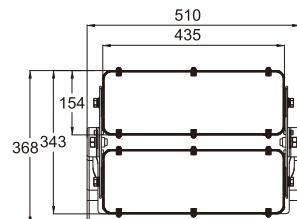
kg
7.0KG

600W

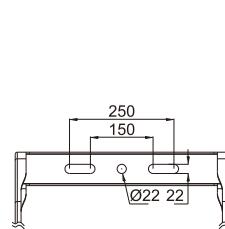
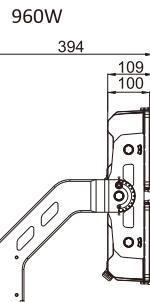
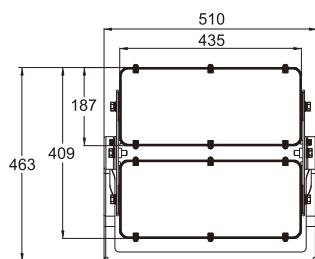


kg
7.8KG

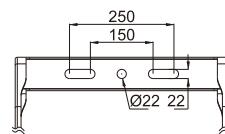
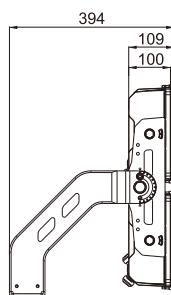
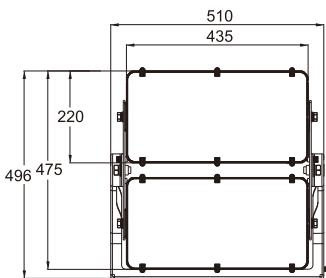
800W



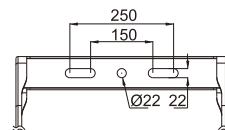
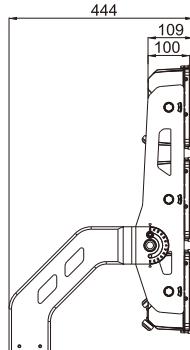
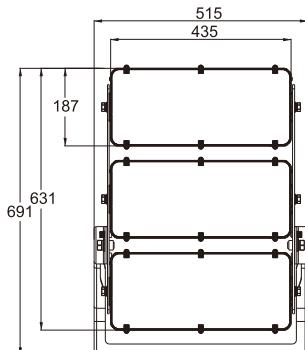
kg
13.7KG



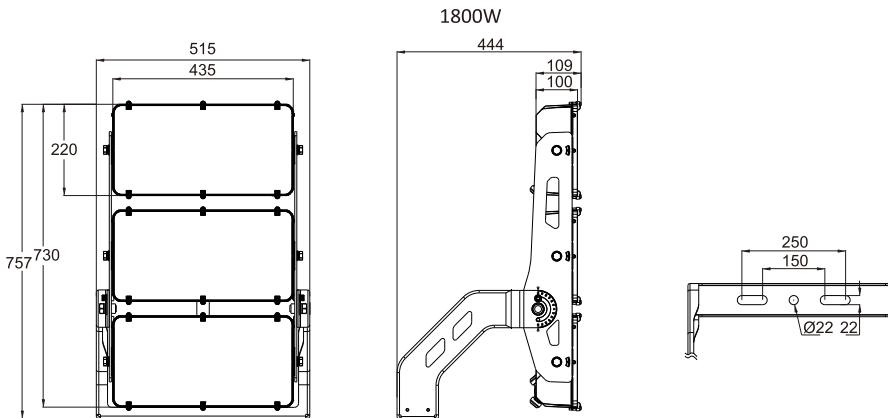
kg
16.4KG



kg
18.8KG



kg
24.8KG



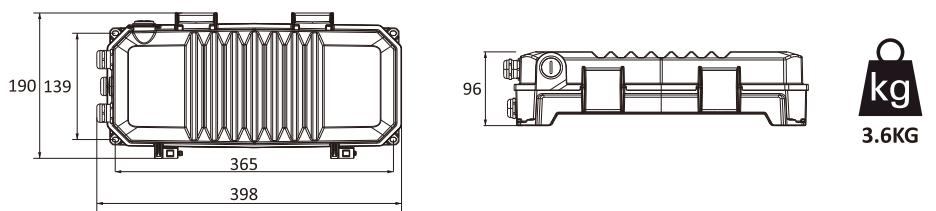
Luminaire Windage Area (SCX)

	SCX0°*	SCX15°*	SCX30°*	SCX45°*	SCX60°*	SCX75°*	SCX90°*
400W	0.02m ²	0.04m ²	0.05m ²	0.07m ²	0.08m ²	0.08m ²	0.09m ²
480W	0.02m ²	0.05m ²	0.07m ²	0.08m ²	0.09m ²	0.10m ²	0.11m ²
600W	0.02m ²	0.05m ²	0.07m ²	0.09m ²	0.11m ²	0.12m ²	0.12m ²
800W	0.03m ²	0.07m ²	0.11m ²	0.15m ²	0.17m ²	0.19m ²	0.19m ²
960W	0.03m ²	0.09m ²	0.13m ²	0.18m ²	0.20m ²	0.21m ²	0.22m ²
1200W	0.03m ²	0.09m ²	0.15m ²	0.20m ²	0.24m ²	0.25m ²	0.26m ²
1500W	0.03m ²	0.12m ²	0.19m ²	0.27m ²	0.30m ²	0.33m ²	0.34m ²
1800W	0.03m ²	0.13m ²	0.22m ²	0.31m ²	0.35m ²	0.38m ²	0.40m ²

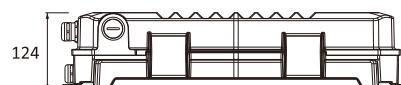
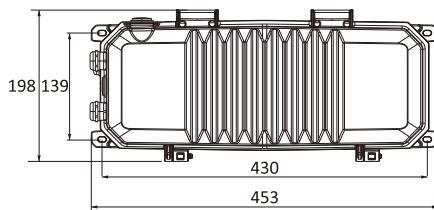
* Data applies to the worst case at the indicated angle.

Power Supply Box (mm)

Box-1-Modulux (400-800W)

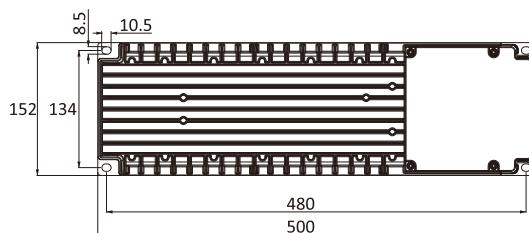


Box-2-Modulux (960-1200W)



kg
4.9KG

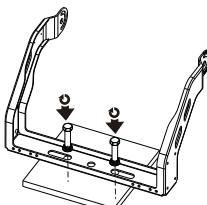
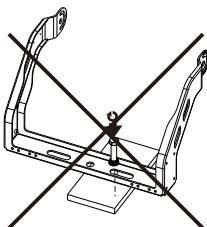
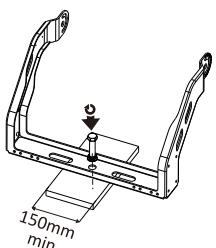
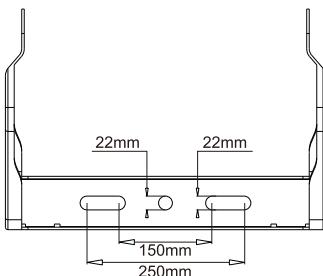
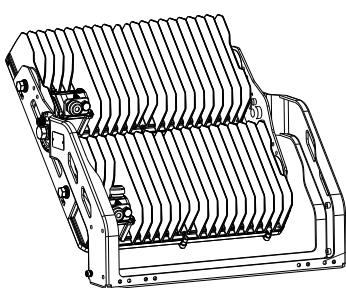
Box-3-Modulux (1500-1800W)



kg
6.37KG

Power Supply Model	Input Voltage	MCB Type / Number of Luminaires							
		B10	B16	B20	B25	C10	C16	C20	C25
Box-1-Modulux	220V	1	2	3	4	2	3	4	5
	277V	2	3	4	5	2	4	5	6
	400V	1	3	3	4	2	3	4	5
	480V	2	3	3	5	2	4	5	6
Box-2-Modulux	220V	1	1	2	2	1	1	2	3
	277V	1	2	2	3	1	2	3	3
	400V	1	1	2	2	1	2	2	3
	480V	1	2	2	3	1	2	3	3
Box-3-Modulux	220V	0	1	1	1	0	1	1	2
	277V	0	1	1	2	1	1	2	2
	400V	0	1	1	1	0	1	1	2
	480V	0	1	1	2	1	1	2	2

Top Mounting (at the top of the bracket)



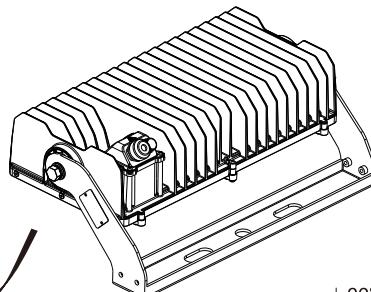
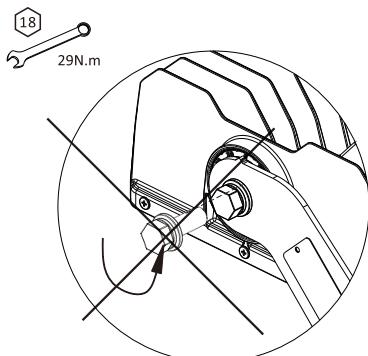
⚠ 1xM20 with extra large washer (not included)

⚠ 2xM20 with extra large washer (not included).

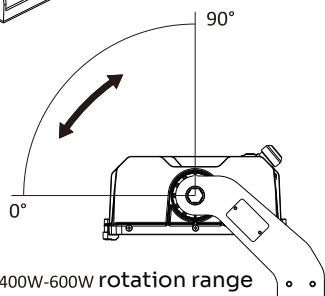


If using only one fixing point and if the luminaire is at a height of more than 3m, a second safety tether is required.

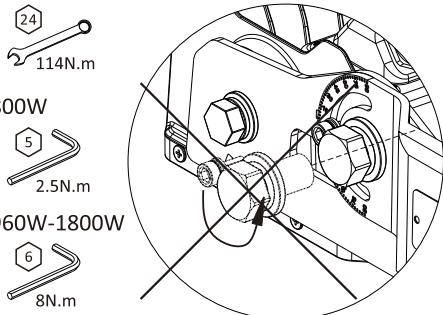
400W-600W



* Do not pull out the screw while rotating the

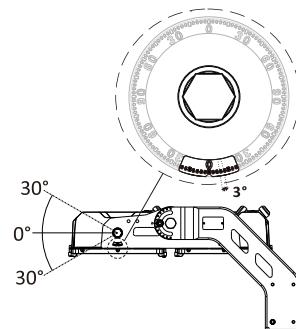
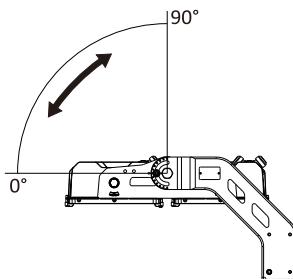


800-1800W



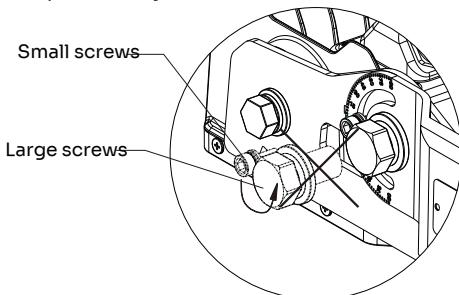
* Do not pull out the screw while rotating the luminaire.

800W-1800W rotation range

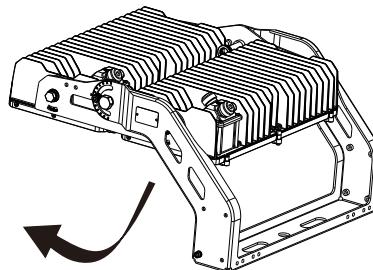


Bottom Mounting (on bottom of the bracket)

Loosen small and large screws on both sides, but pull out only the small screws.



* DO NOT REMOVE LARGE SCREWS

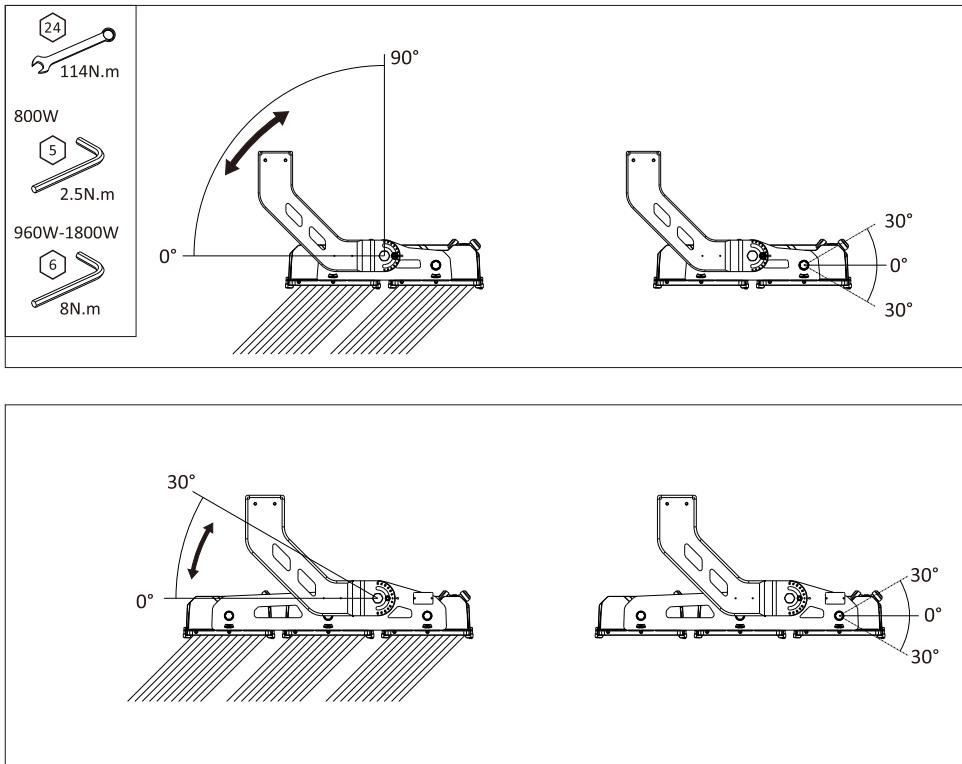


400W-600W
29N.m/
114N.m

800W
2.5N.m

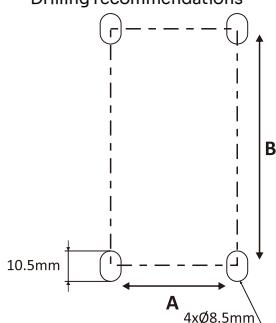
960W-1800W
8N.m

Rotate the bracket as shown above



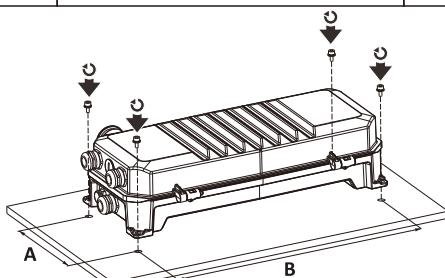
MOUNTING EXTERNAL POWER SUPPLY BOXES

A. Mounting power supply boxes on a surface
 Drilling recommendations



Power Supply Model	Box-1-Modulux	Box-2-Modulux	Box-3-Modulux
Distance A	139mm		134mm
Distance B	365mm	430mm	480mm
Screws (not included)	4xM5		4xM6

(4) 2N.m (5) 2.5N.m



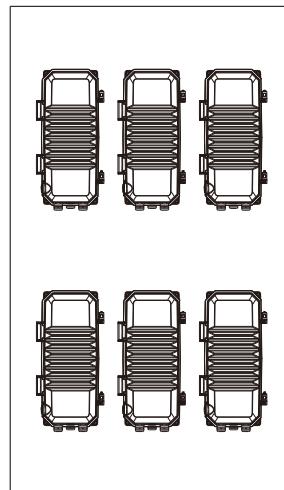
B. Mounting power supply boxes in a cabinet

Each power supply box in the cabinet must be positioned vertically.

Electrical enclosure

It is recommended to choose a painted cabinet enclosure with high reflectance to protect against solar radiation energy.

→



Cables

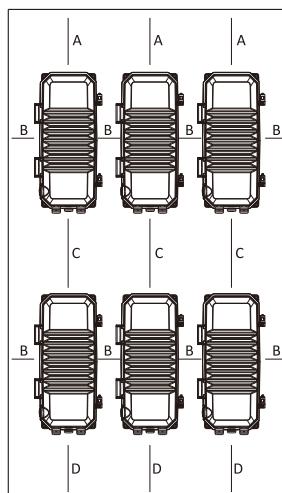


Active cooling can be added to the cabinet to ensure a maximum temperature of 45°C throughout the year.

Minimum distances between power supply boxes or from walls:

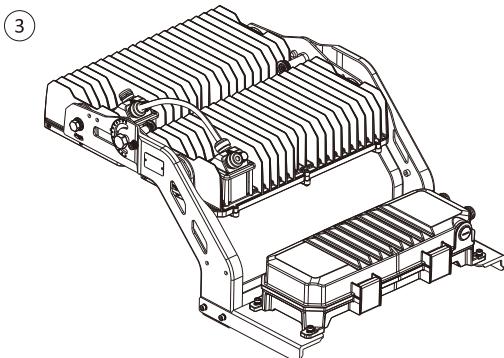
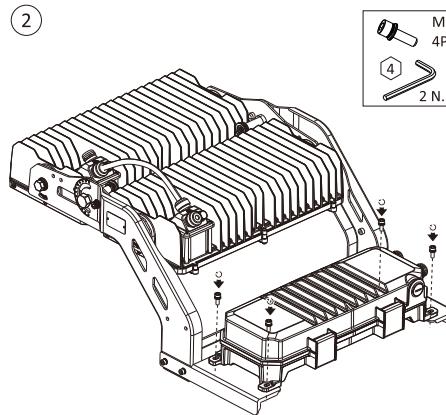
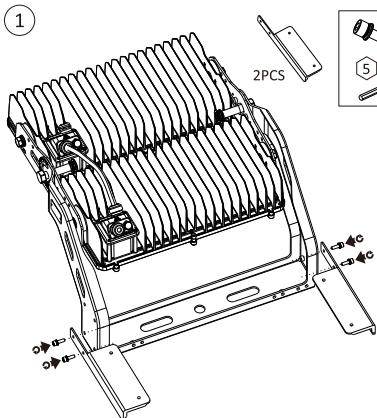
Position	Distance
A	Min 80 mm
B	Min 80 mm
C	Min 120 mm
D	Min 150 mm

If you cannot meet the above requirements, a thermal analysis is necessary to ensure that the driver Tc temperature does not exceed the Tc max value.

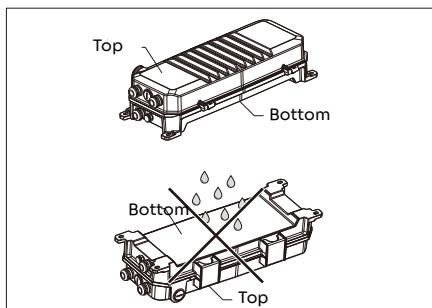


MOUNTING POWER SUPPLY BOXES ON THE LUMINAIRE 400-1200W:

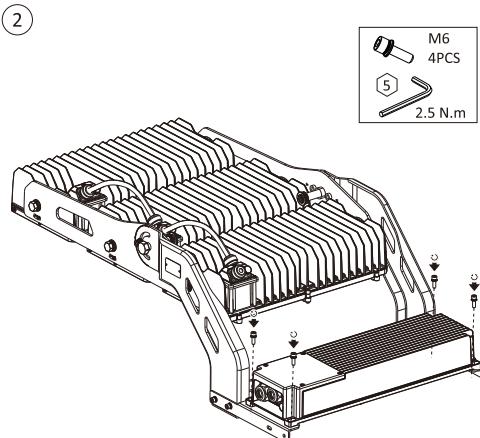
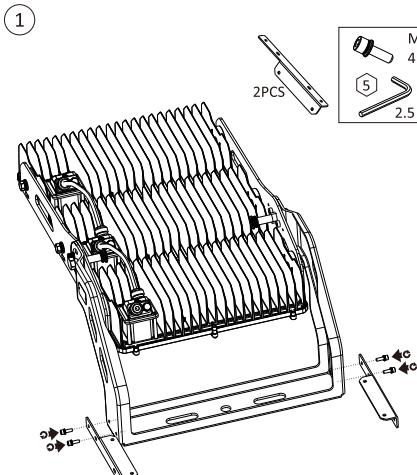
400-1200W



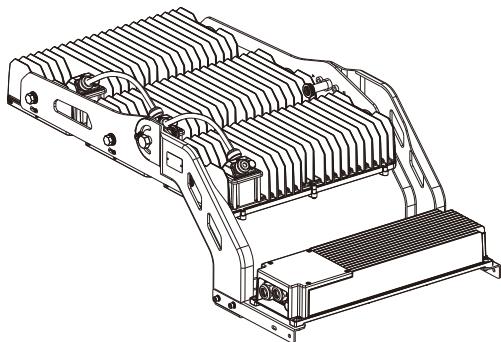
The power supply box cannot be mounted upside down.



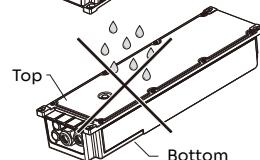
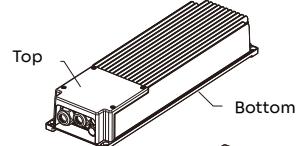
1500-1800W



③



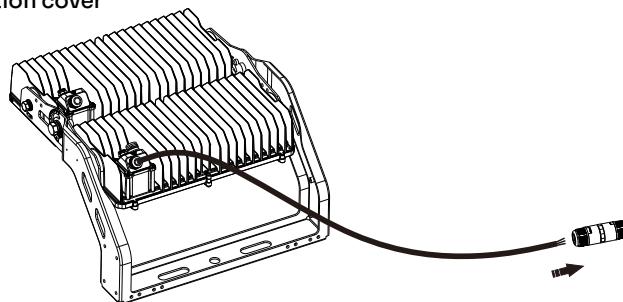
The power supply box cannot be mounted upside down.



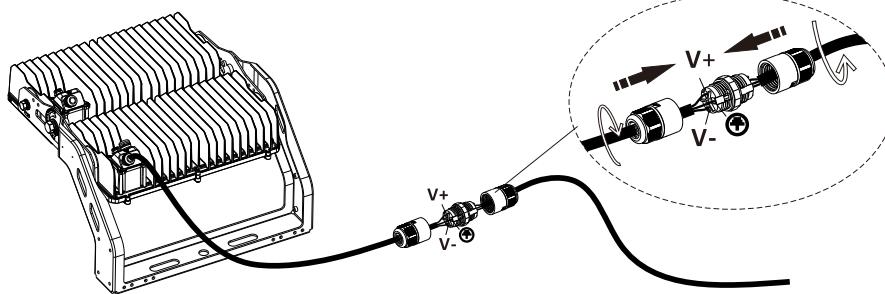
ELECTRICAL CONNECTIONS

Connection cover

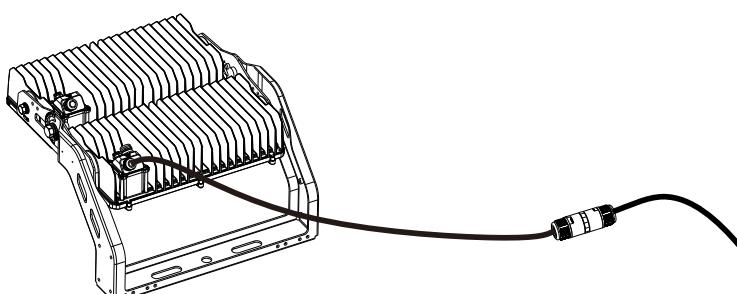
①



②

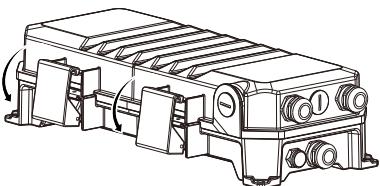


③

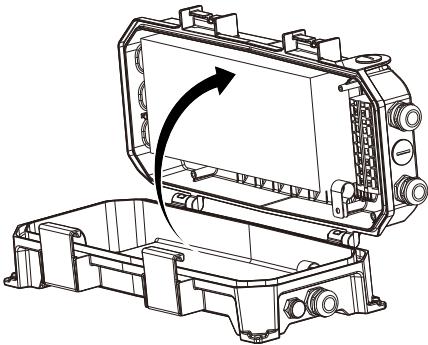


Power Supply Box Wiring Box-1-Modulux & Box-2-Modulux

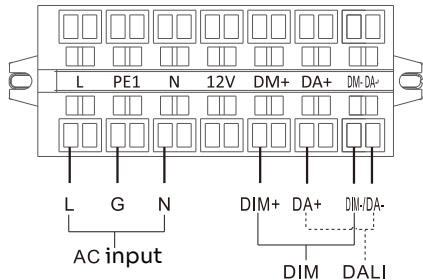
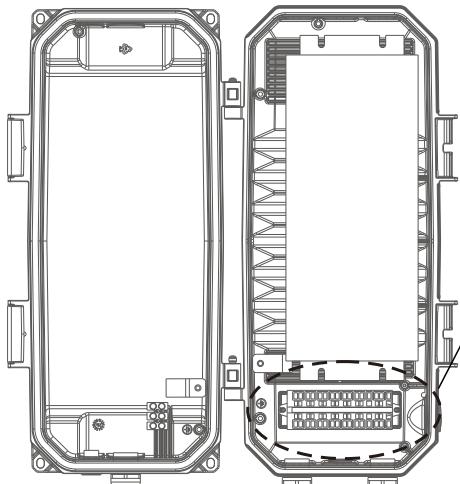
①



②



③

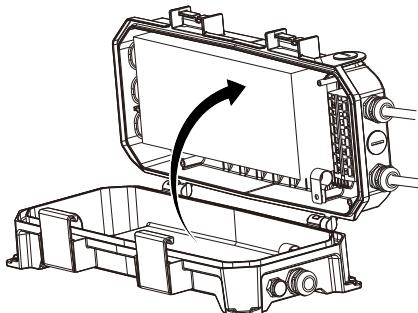


DC Wire diameter
Ø10-13mm

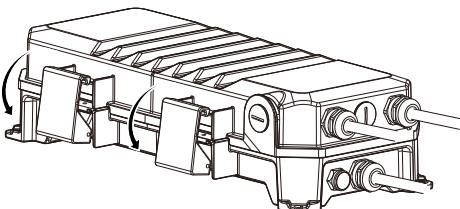
AC Wire diameter Ø10-13mm

DIM/DALI Wire diameter Ø5~8mm

④



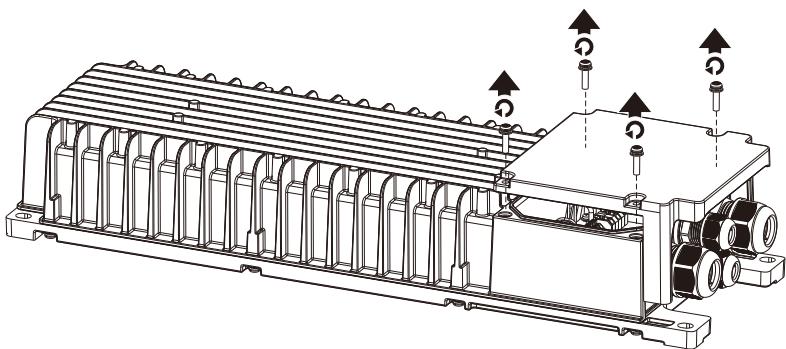
⑤



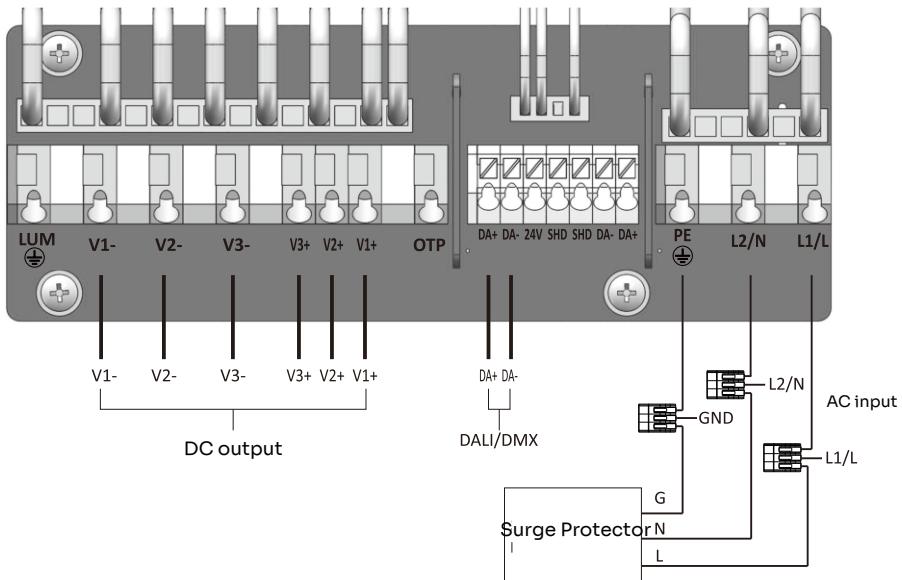
Box-3-Modulux

1

 M4
 4PCS
 1.2 N.m

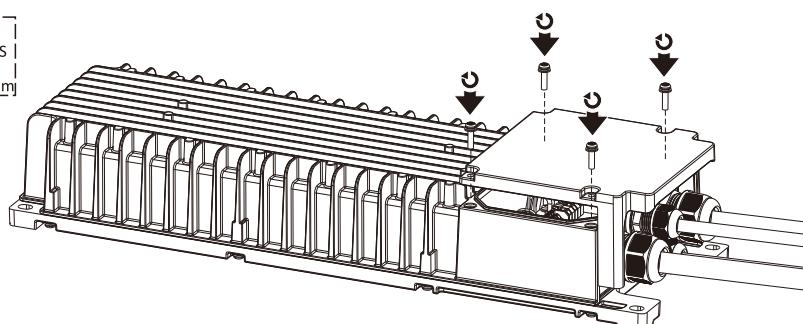


2



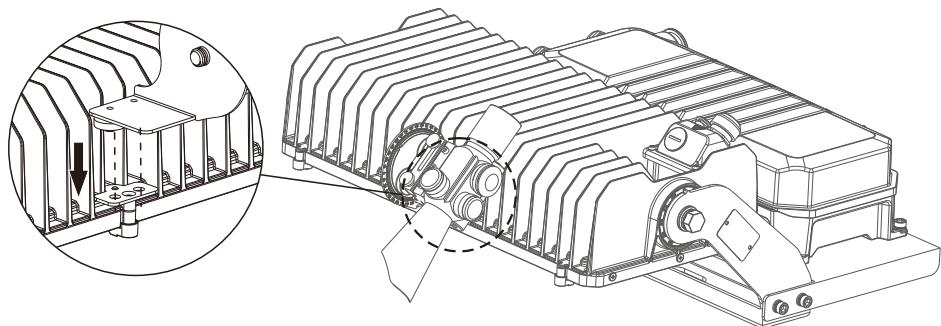
3

 M4
 4PCS
 1.2 N.m



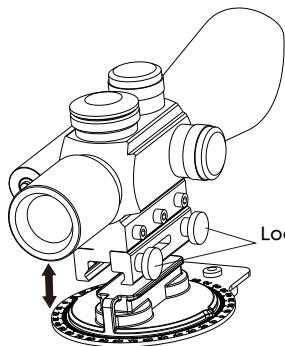
AIMING DEVICE MOUNTING

400W-600W

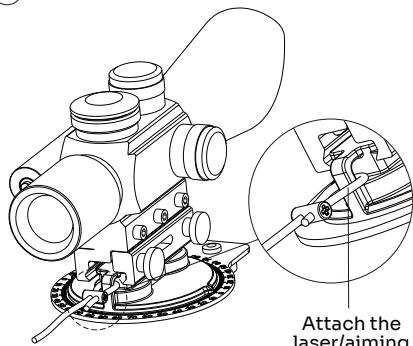


800W-1800W

①

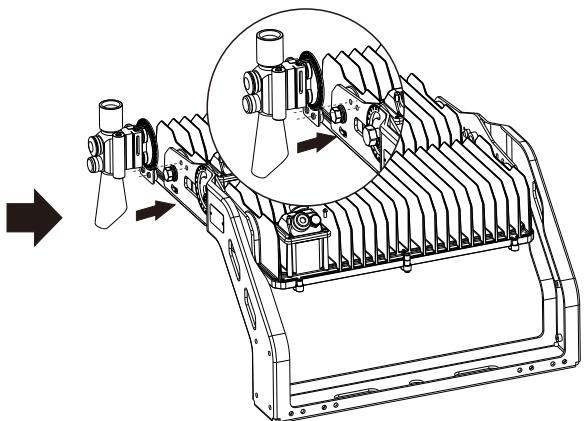
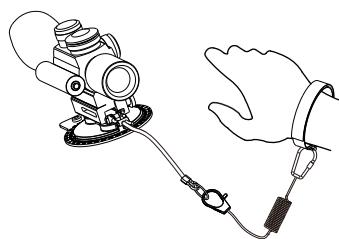


②

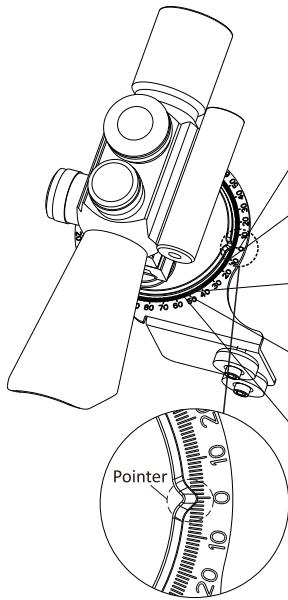


Attach the
laser/aiming
device and
tighten screws.

③



400W-600W



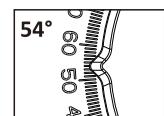
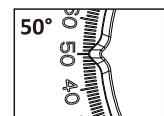
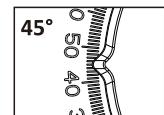
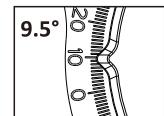
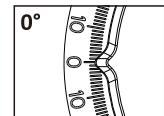
F04011X(SYM 11°), F04015X(SYM 14.4°)
F04045X(SYM 42°), F04003Z(SYM 30°)
F04004Z(SYM 45°), F04006Z(SYM 60°)

F04002X(ASYM INTENSE 9.5°)

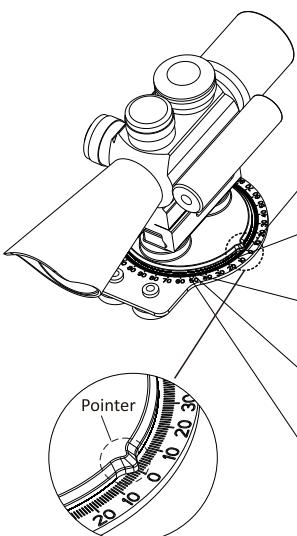
F04001Z(ASYM INTENSE 45°)

F04001X(ASYM INTENSE 50°)

F04013 (ASYM INTENSE 54°)
F04014 (ASYM INTENSE 54°)



800W-1800W



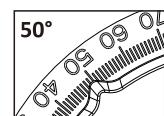
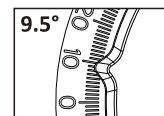
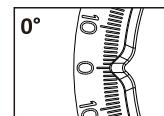
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F04045X(SYM 42°), F04003Z(SYM 30°)
F04004Z(SYM 45°), F04006Z(SYM 60°)

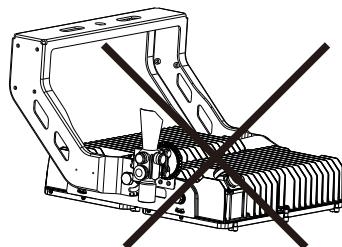
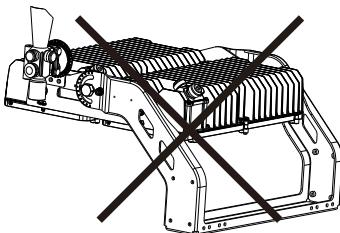
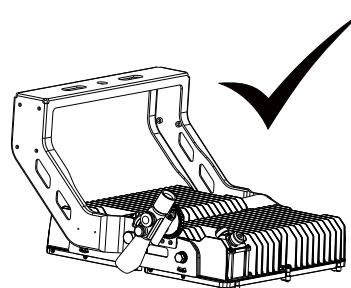
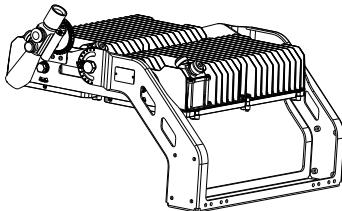
F04002X(ASYM INTENSE 9.5°)

F04001Z(ASYM INTENSE 45°)

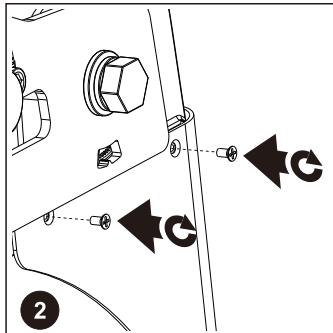
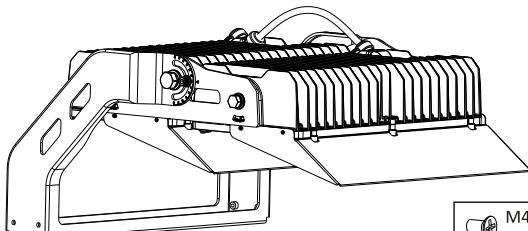
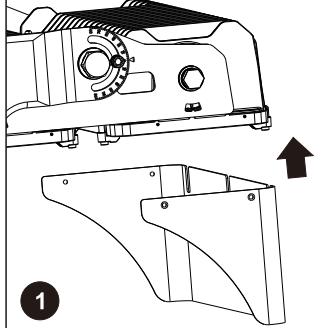
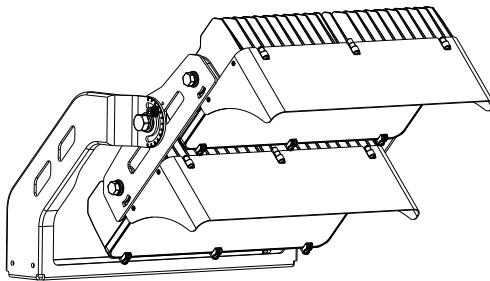
F04001X(ASYM INTENSE 50°)

F04013 (ASYM INTENSE 54°)
F04014 (ASYM INTENSE 54°)





Cover Mounting



MOUNTING THE SAFETY ROPE

