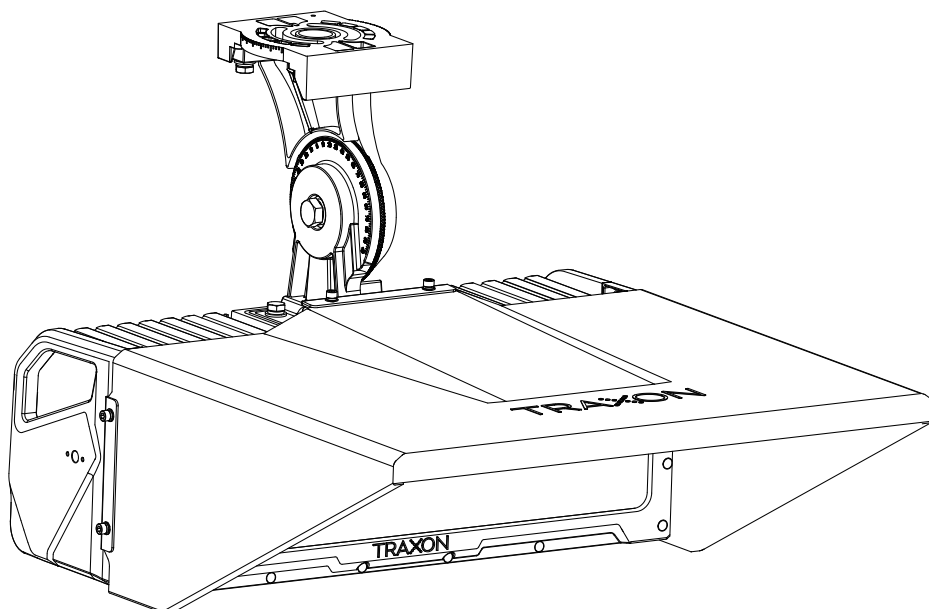
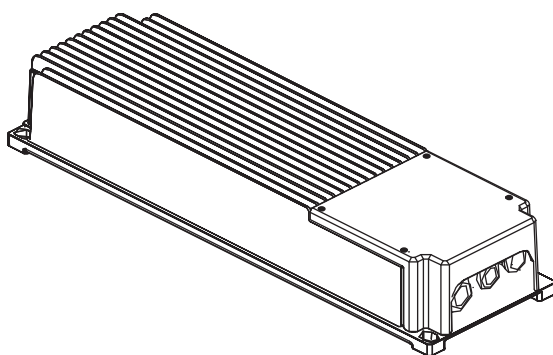


TRAXON
GENERAL LIGHTING

PURSOS® SHP FINESSE

Installation Guide



- Please read these instructions carefully before assembling and installing this luminaire.
- Please keep this installation guide for future reference.

Content

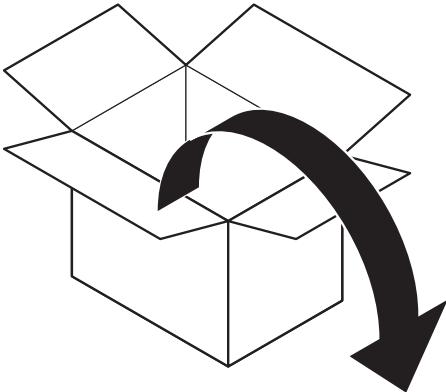
1.	Safety And Operation	3
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1. Safety And Operation

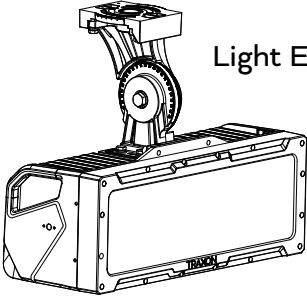
1. Ensure that installation and maintenance are carried out by a qualified electrician, with the luminaire wired in compliance with the latest IEE electrical regulations or local equivalents.
2. These products are suitable for both indoor and outdoor applications.
3. Always ensure the power supply is switched off before beginning installation or maintenance. Do not switch it back on until these tasks are completed.
4. The power supply system must be equipped with an SPD (Surge Protection Device) in accordance with electrical safety regulations.
5. Connect the L terminal to the phase line and the N terminal to the neutral line. Avoid any incorrect connections to PE grounding cables.
6. Ensure that the products are properly grounded.
7. If the external flexible cable or cord of this luminaire is damaged, it must only be replaced by the manufacturer, their service agent, or a similarly qualified professional to prevent hazards.
8. The light source within this luminaire should only be replaced by the manufacturer, their service agent, or a similarly qualified professional.
9. For luminaires with dimming functionality, basic insulation is maintained between control conductors and LV supply.
10.  High intensity output - position the luminaire to avoid prolonged exposure from the light output at distances closer than 30M.
11. Do not touch the luminaires while they are illuminated.
12. Use screws, nuts, and bolts with the highest corrosion resistance grade (e.g., SUS316) for fixing, complying with C5 class according to ISO 9223.
13. Avoid damaging the coating of the luminaire housing, as this will reduce the product's corrosion resistance.

2. Packaging Content

FIG.1: Packing Contents



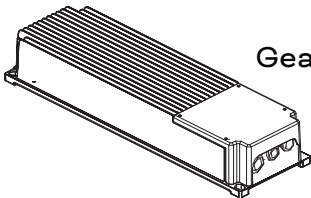
1 x



Light Engine

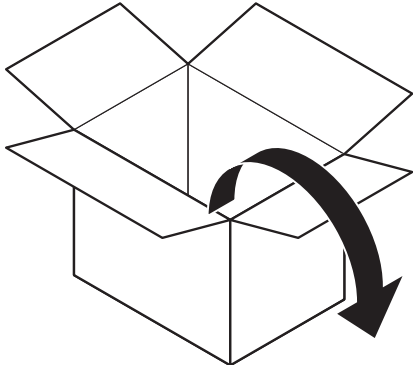
⚠ To prevent damage to the optical lens, please do not place the luminaire lens face down on any surface.

1 x

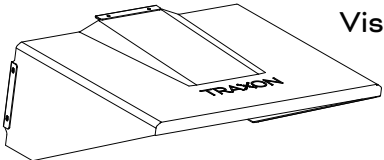


Gear Box

⚠ The gearbox may be different to the one depicted, dependent on the type and power of the luminaire ordered.



4 x



Visor

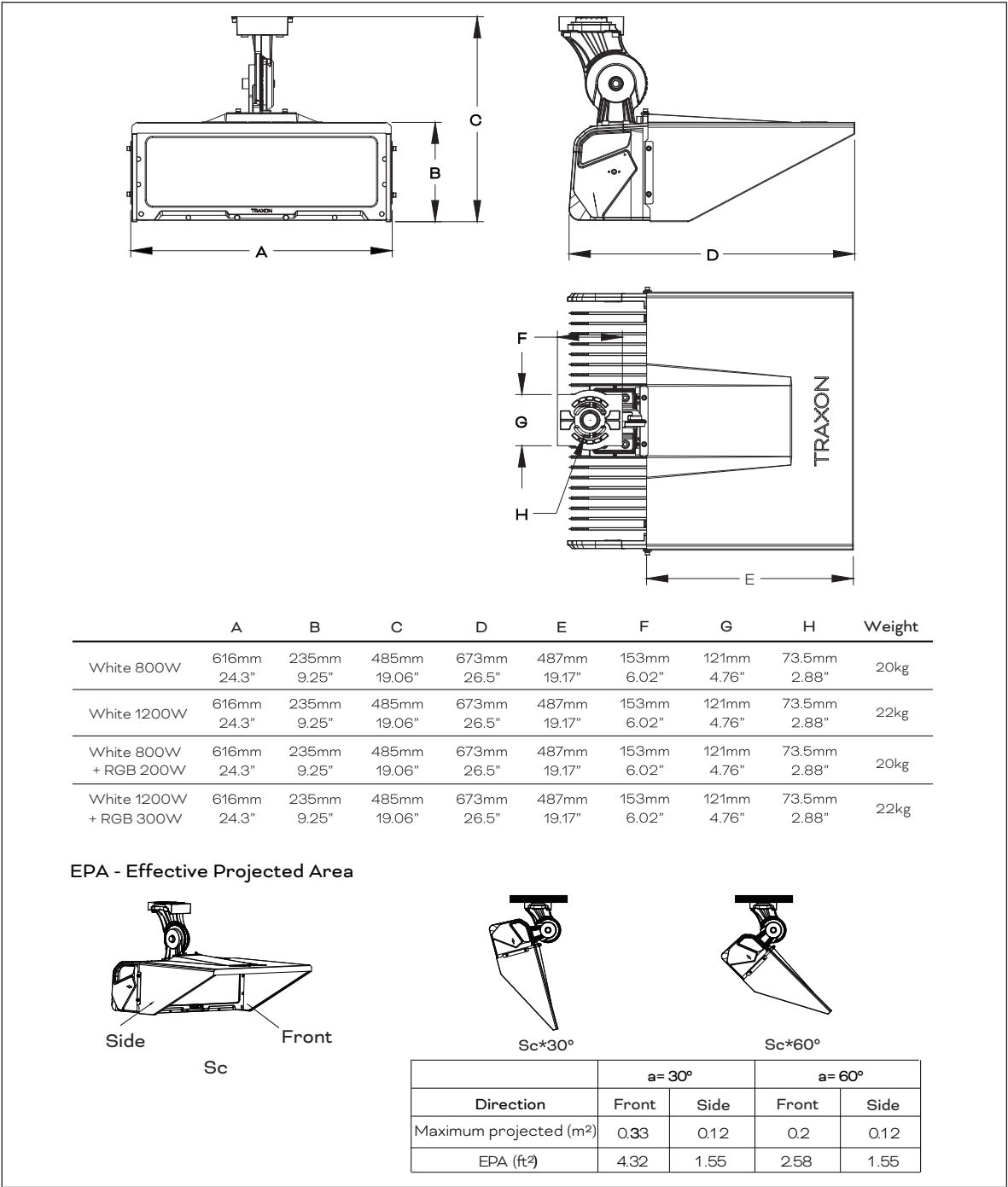
6*M6



3. Dimensions

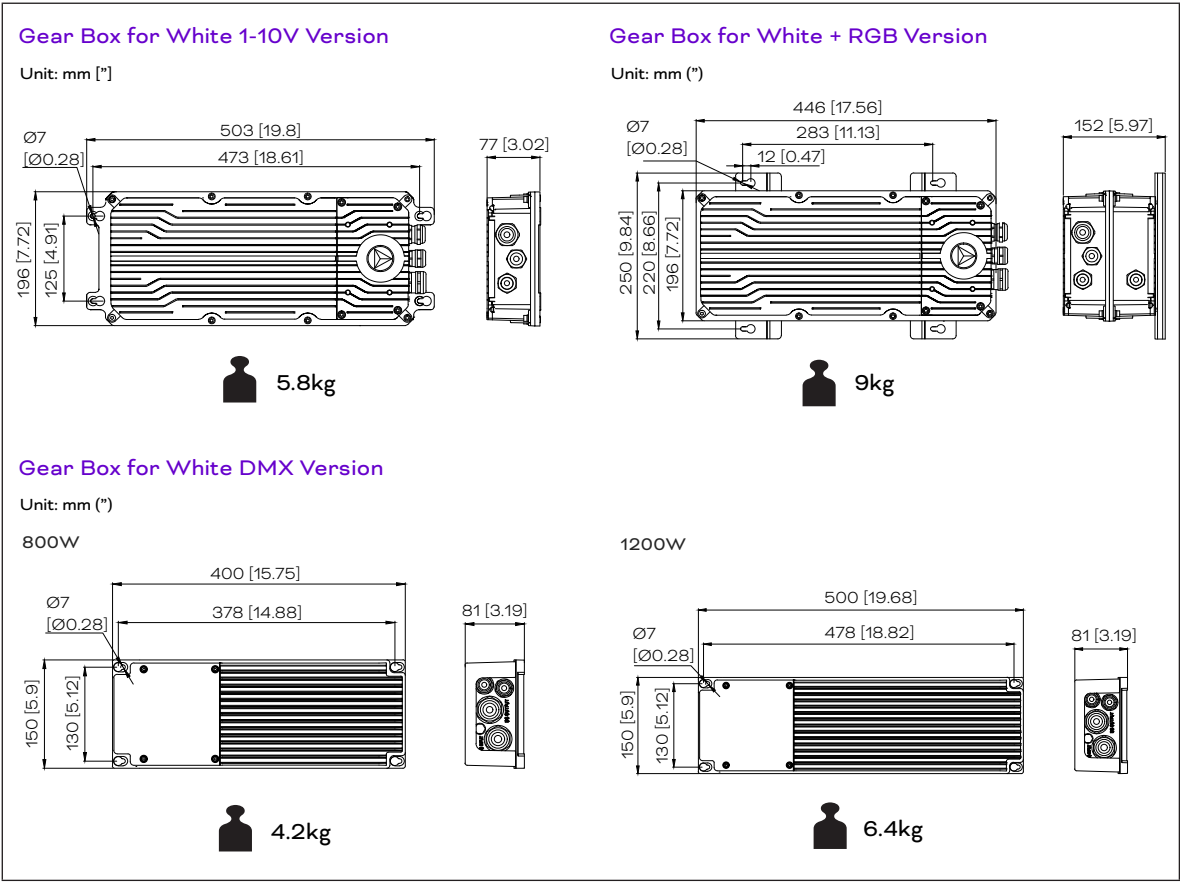
3.1 Light Engine

FIG.2: Light Engine Dimension



3.2 Gear Box

FIG.3: Gear Box Dimension



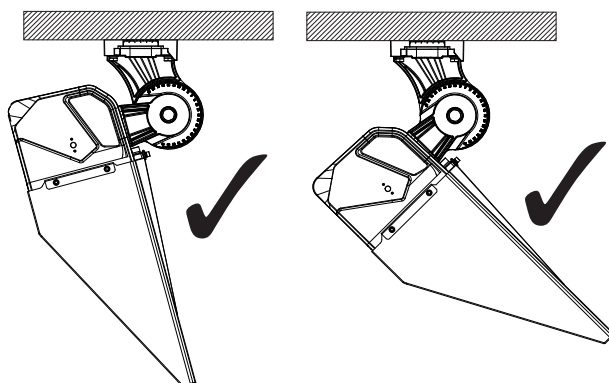
4. Installation

4.1 Suspended Installation

FIG.4: Suspended Installation



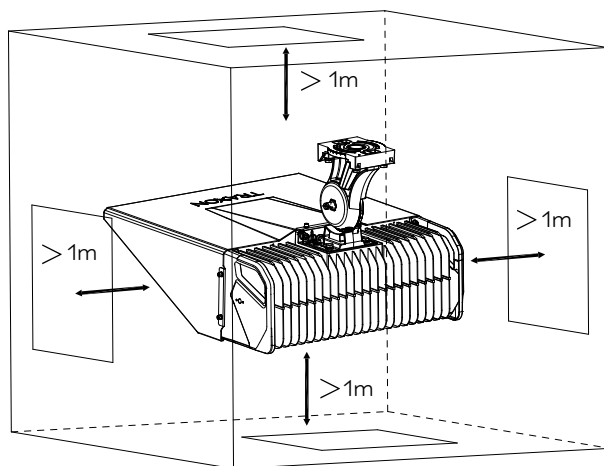
The luminaire should be mounted to a suitable steel mounting surface.



No mounting height limit.



At least 1 meter distance shall be kept from surrounding walls, floor and ceiling.



4.2 Fixture Installation

FIG.5: Mounting the Visor

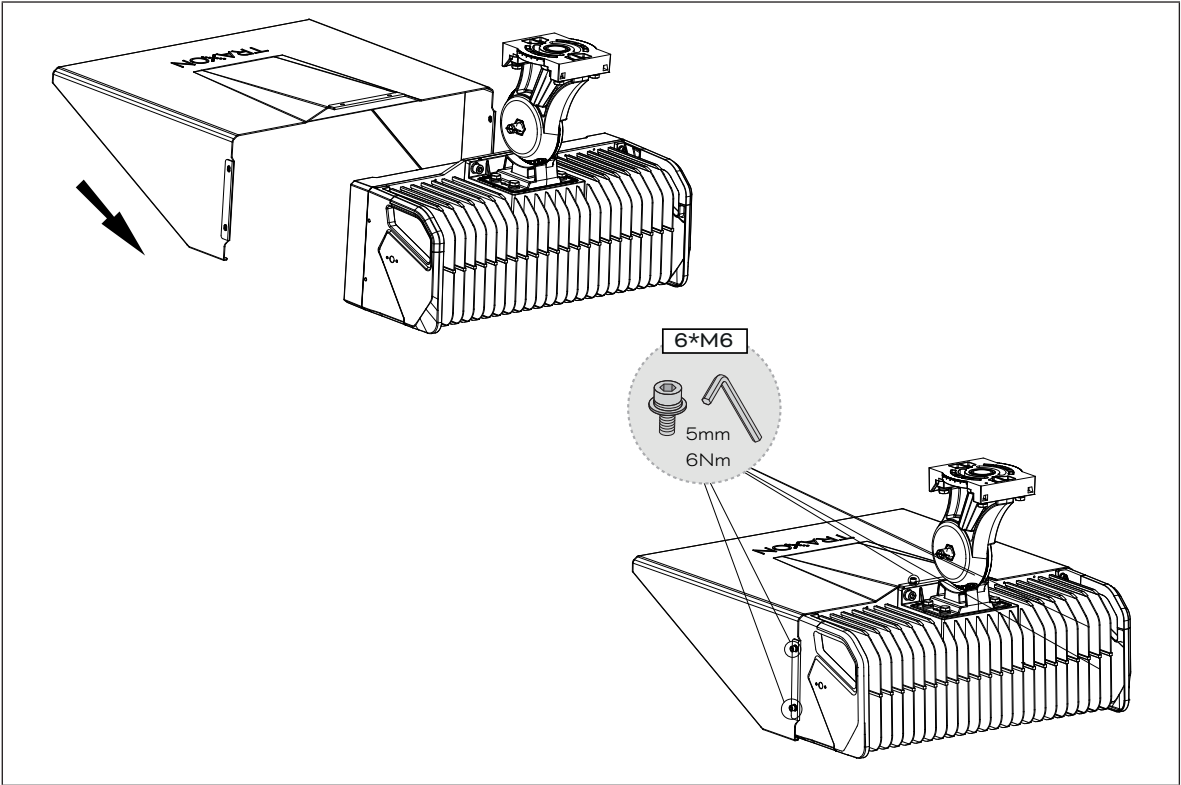


FIG.6: Installing the Mounting Plate

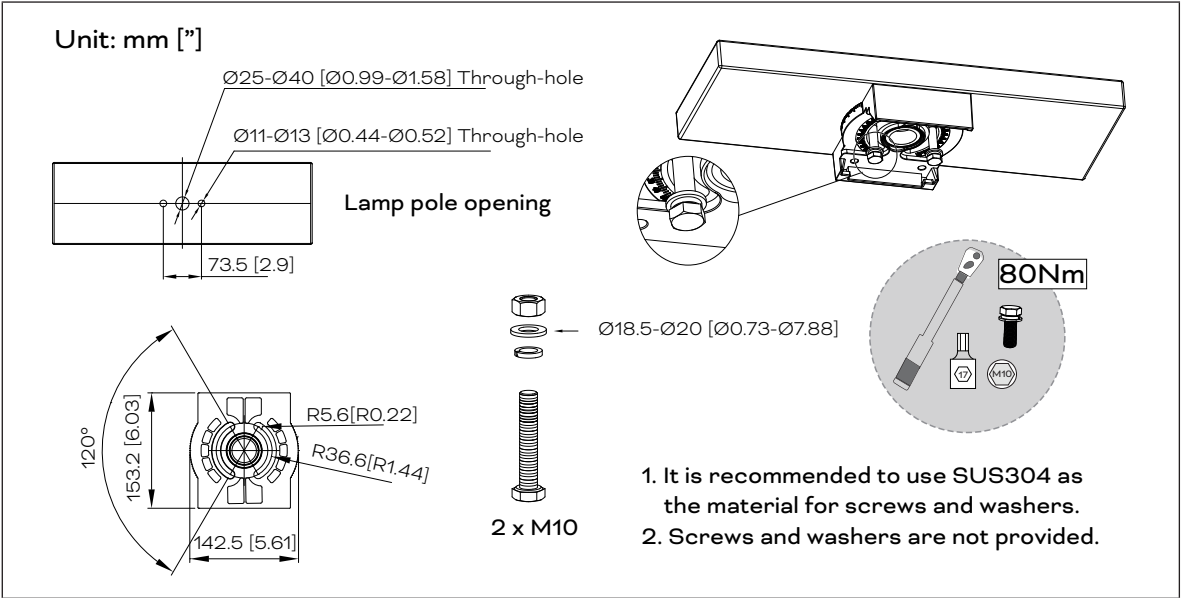


FIG.7: Mounting the Light Engine

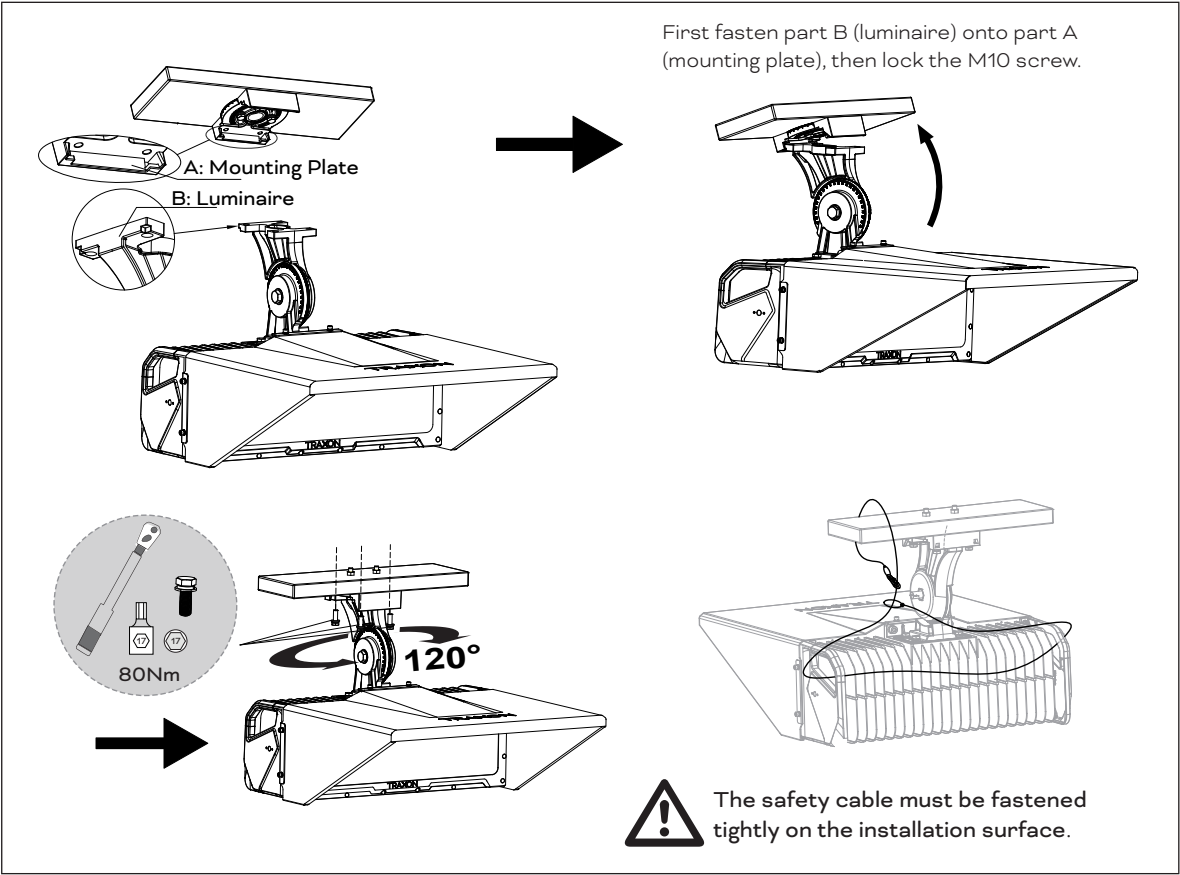


FIG.8: Mounting the Gear Box

4*M6
5mm
6Nm

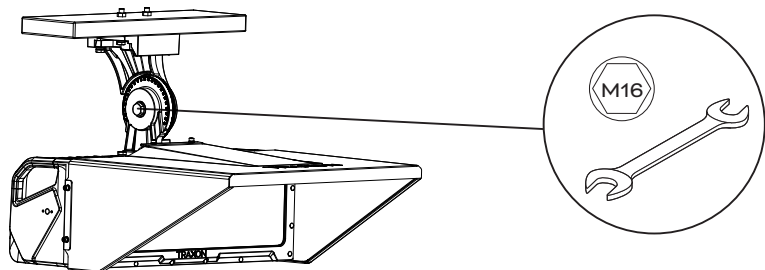
Type of Gear Box	Installation Hole Length	Installation Hole Width	Installation Hole Diameter
Gear Box for White 1-10V	473mm 18.61"	125mm 4.91"	Ø7mm Ø0.28"
Gear Box for White + RGB	283mm 11.13"	220mm 8.66"	Ø7mm Ø0.28"
Gear Box for 800W White	378mm 14.88"	130mm 5.12"	Ø7mm Ø0.28"
Gear Box for 1200W White	478mm 18.82"	130mm 5.12"	Ø7mm Ø0.28"

Fix the gear box in a suitable place according to the site requirements.

4.3 Fixture Adjustments

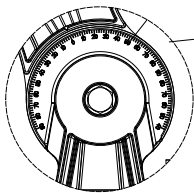
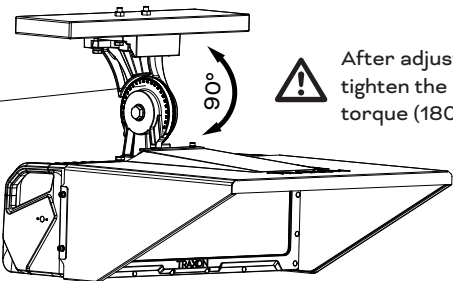
FIG.9: Vertical & Horizontal Adjustments

1 Vertical adjustments (Tilt Angle)



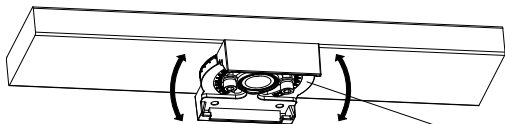
 Loosen the bolt until the mounting teeth disengage.

Each tooth is 2 degrees apart

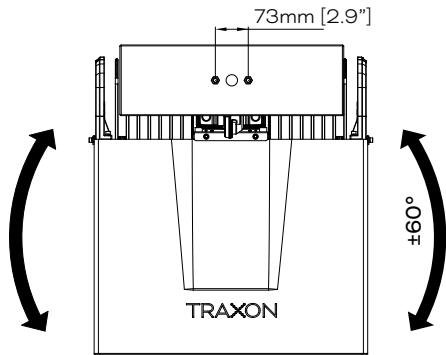
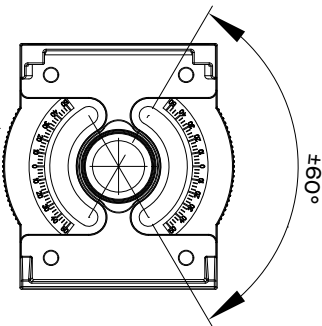


 After adjusting, make sure to tighten the bolt to the specified torque (180Nm).

2 Horizontal Adjustments



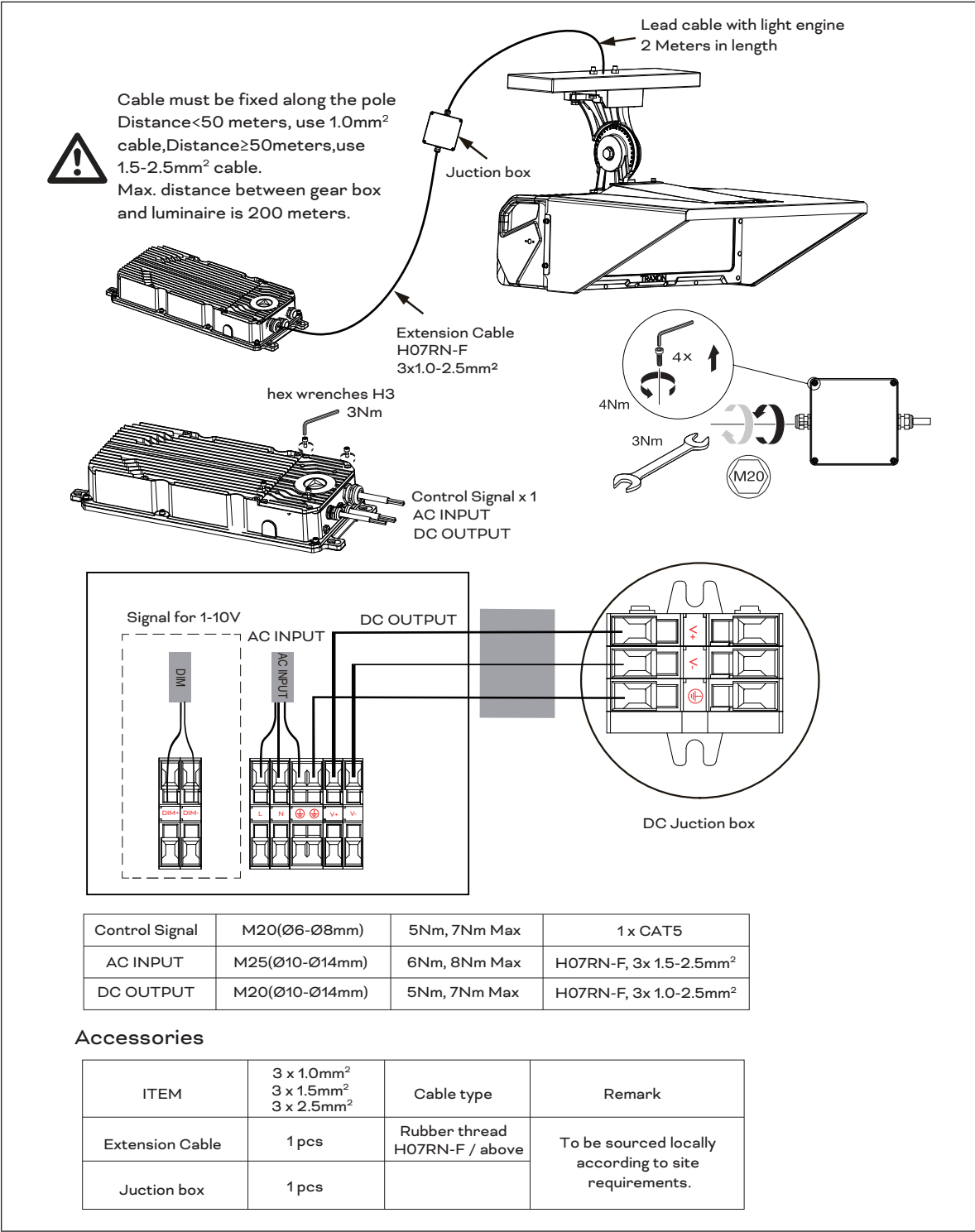
Loosen the bolt until the light engine can be rotated.



 After adjusting, make sure to tighten the bolt to the specified torque (80Nm).

4.4 Electrical Connection

FIG.10: White 1-10V Version Electrical Connection



Warning: Cable must be fixed along the pole
Distance < 50 meters, use 1.0mm² cable, Distance ≥ 50 meters, use 1.5-2.5mm² cable.
Max. distance between gear box and luminaire is 200 meters.

Lead cable with light engine
2 Meters in length

Junction box

Extension Cable
H07RN-F
4x1.0-2.5mm²

hex wrenches H3
3Nm

Control Signal x 2
AC INPUT
DC OUTPUT

DC Junction box

Signal for DMX-RDM

DC OUTPUT

AC INPUT

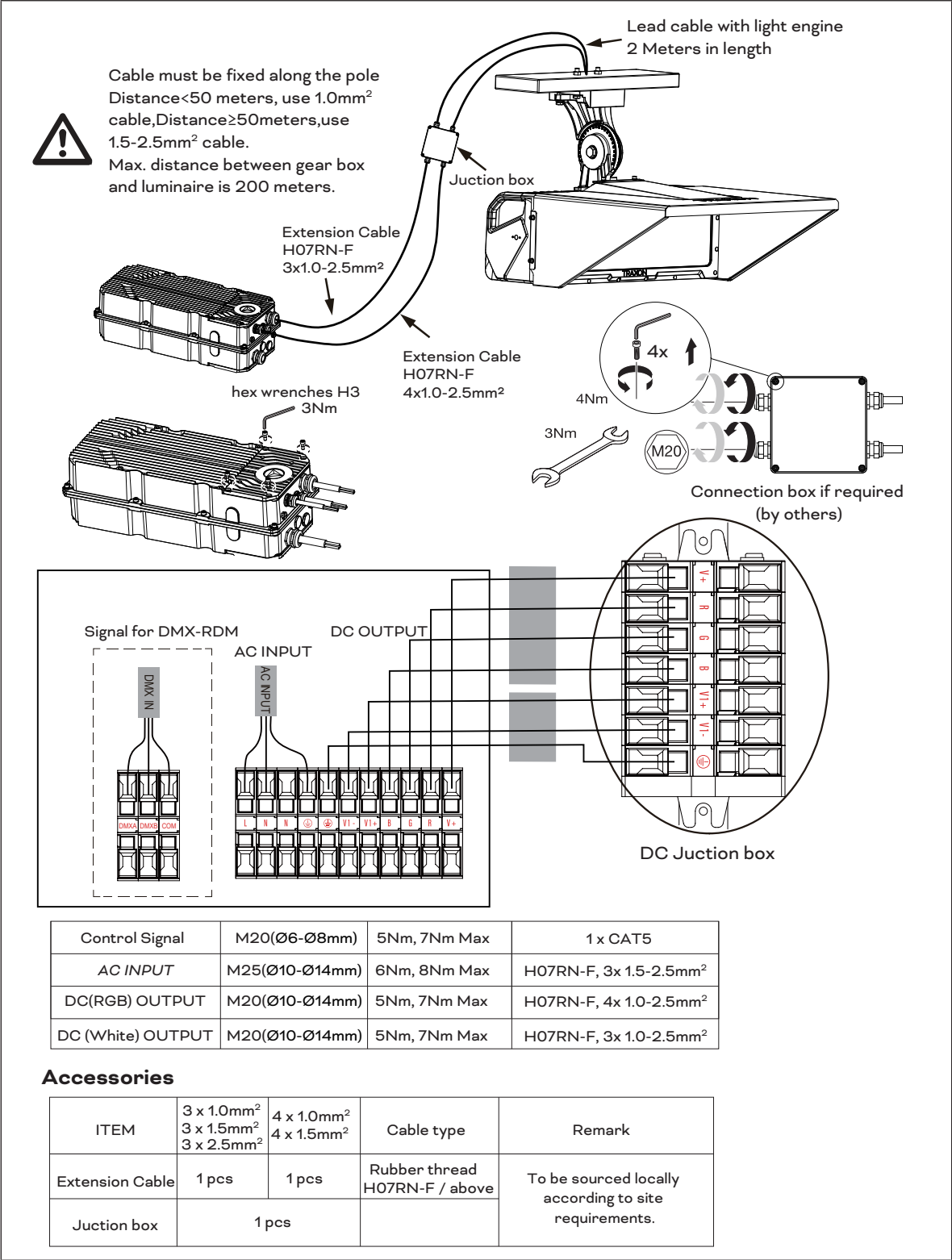
DC Junction box

Control Signal	M16(Ø4-Ø8mm)	3Nm, 4.5Nm Max	2 x CAT5
AC INPUT	M25(Ø10-Ø14mm)	6Nm, 8Nm Max	H07RN-F, 3x 1.5-2.5mm ²
DC OUTPUT	M25(Ø10-Ø14mm)	6Nm, 8Nm Max	H07RN-F, 4x 1.0-2.5mm ²

Accessories

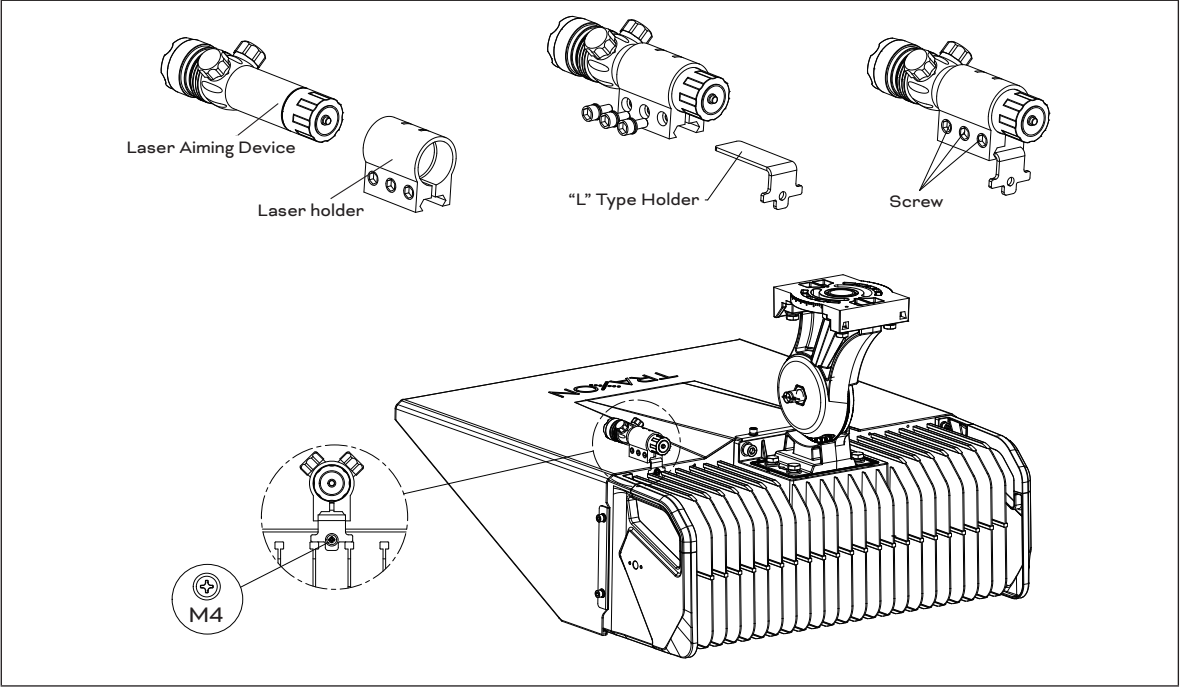
ITEM	4 x 1.0mm ² 4 x 1.5mm ² 4 x 2.5mm ²	Cable type	Remark
Extension Cable	1 pcs	Rubber thread H07RN-F / above	To be sourced locally according to site requirements.
Junction box	1 pcs		

FIG.12: White + RGB DMX Version Electrical Connection



4.5 Laser Aiming Device Installation

FIG.13: Mounting the Laser Aiming Device



5. System Wiring

FIG.14: White 1-10V Version Wiring System

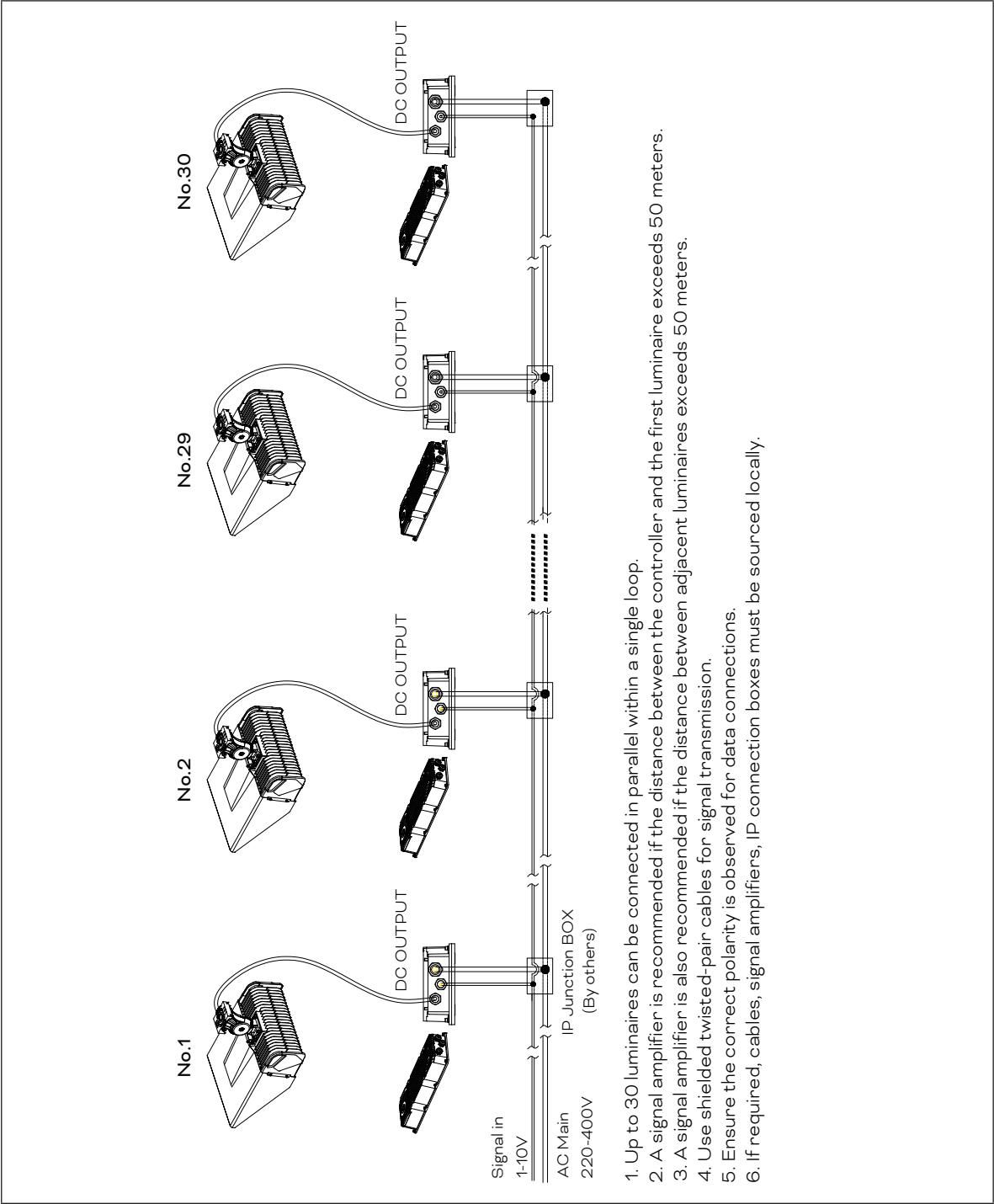


FIG.15: White DMX / RDM Version Wiring System

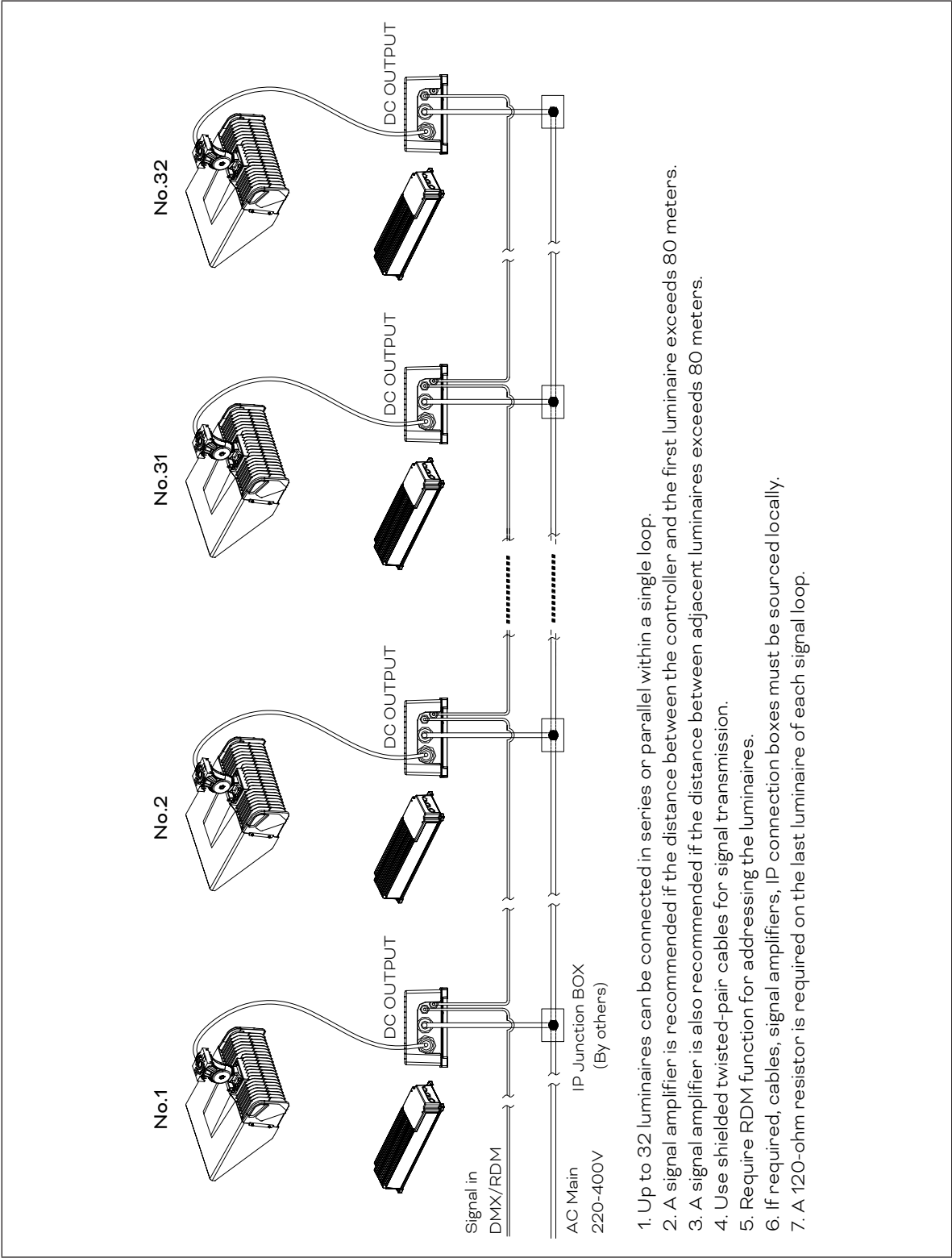
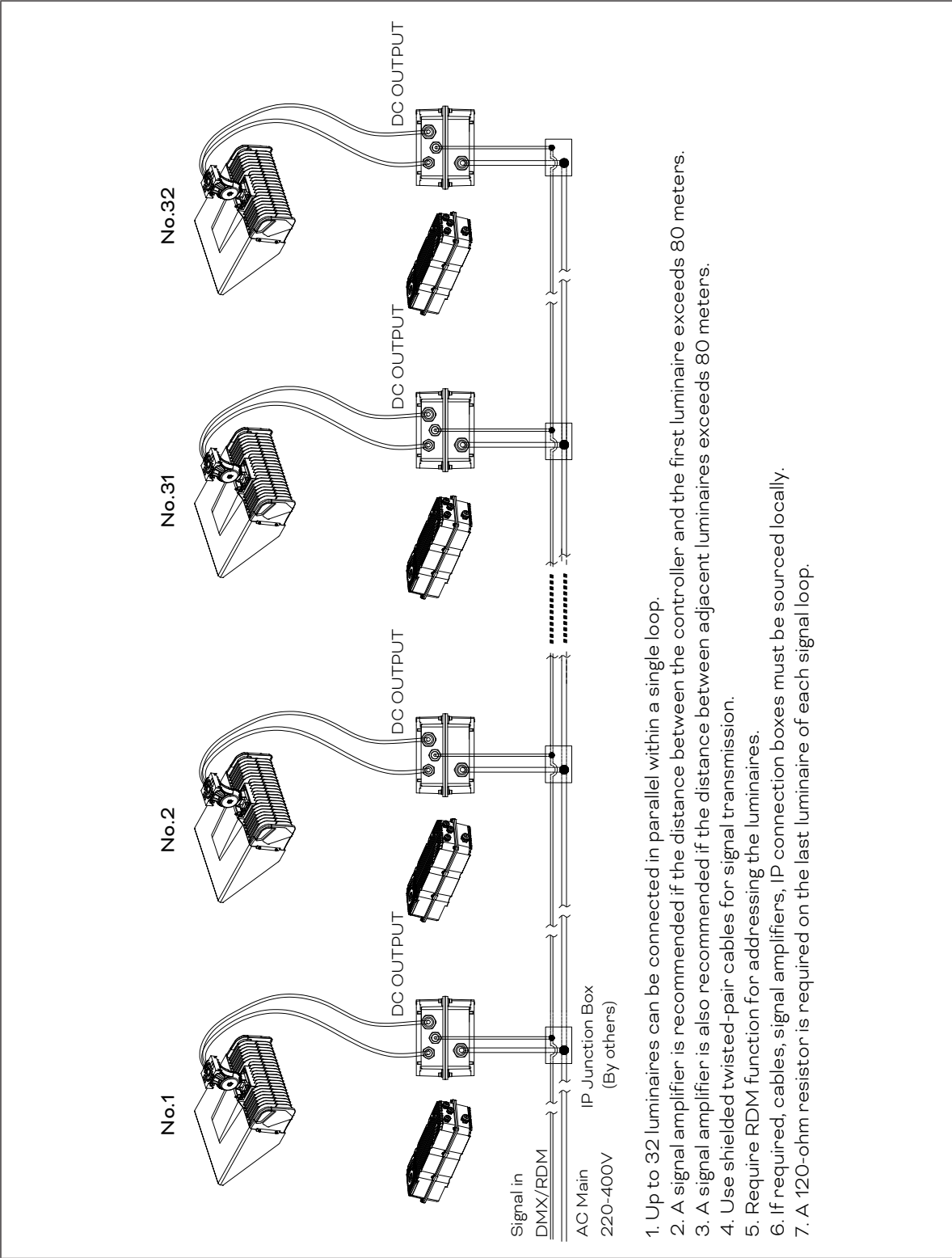


FIG.16: White + RGB DMX /RDM Version Wiring System



Max. No. Luminaires Connection / In Rush Current

Circuit Breaker	Mains Voltage	White 1-10V		White DMX / RDM		White + RGB DMX / RDM	
		800W	1200W	800W	1200W	800W	1200W
16A Type A	200-240V	1	1	2	1	2	1
16A Type B	200-240V	2	2	3	2	2	1
16A Type C	200-240V	2	2	3	2	2	1
32A Type A	200-240V	1	1	2	1	4	2
32A Type B	200-240V	4	4	6	4	5	3
32A Type C	200-240V	4	4	6	4	5	3
16A Type A	380-400V	2	2	2	2	4	2
16A Type B	380-400V	3	3	3	3	6	3
16A Type C	380-400V	3	3	5	3	3	3
32A Type A	380-400V	2	2	3	2	10	6
32A Type B	380-400V	6	6	7	6	15	9
32A Type C	380-400V	7	7	10	7	15	12
In Rush Current @220V		25A	25A	24.4A	32A	13.3A	13.3A

Addressing

The luminaires are shipped with a default DMX address of 001. For installations where independent control of luminaires is required, the DMX address will need to be modified using a controller that supports Remote Device Management (RDM).

- Connect an RDM capable control device to the DMX line ahead of the first luminaire.
- Enable RDM discovery per the instructions of the controller manufacturer.
- The controller will discover available Traxon luminaires. These luminaires can be identified by the prefix 16DC in each unit's UID.
- Using the RDM identify function, locate a single unit in the installation. The associated luminaire will flash.
- Note the physical location of the flashing unit and then disable the identify function.
- Determine the desired address for the identified luminaire and enter it in the address field of the RDM controller.
- Continue the above process until all units have been addressed.
- Record the UID data and associated addresses at the end of this document.
- Test each luminaire to verify correct addressing prior to completing installation.

DMX Channel Functions

RGBW Unit

DMX Channel	Function
1	Red Intensity
2	Green Intensity
3	Blue Intensity
4	White Intensity

White Unit

DMX Channel	Function
1	White Intensity

Supported RDM Parameters

Parameter ID	Description	Default Value	Note
0x00F0	DMX Start Address	1	
0x1000	Identify Device	0	Changing value to 1 will cause fixture to flash
0x0081	Manufacturer Label	Traxon Technologies	Read Only Parameter
0x0082	Device Label	Traxon xx	
0x0200	Sensor Definition	N/A	Read Only Parameter
0x0201	Sensor Value	N/A	Read Only Parameter

Supported RDM Sensors

Sensor Number	Sensor Description	Unit of Measure	Safe Operating Range
#0	Driver Temperature	Celsius	
#1	Drive Voltage	DC Volts	
#2	Driver Current	mA	
#3	On-Line Time	ks	

6. Care and Maintenance

Traxon products are of superior design and quality and should be treated with care. The recommendations below will help fulfill any warranty obligations and gain good use and longevity from the products.

- Do not attempt or use the product(s) until you read and understand the installation instructions. Failure to adhere to these instructions could result in serious injury or property damage.
- Do not use product(s) if cables are damaged.
- Do not connect cables and connectors when wet or in wet area. Moisture on bare connectors can cause electric shock and damage to product(s).
- Do not use product(s) in extreme heat environment. Ensure there is sufficient airflow and use cool air circulation if required.
- Do not drop, knock, or shake product(s). Rough handling can damage the electronics and void the warranty.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean products. Wipe with a damp cloth on housings and a dry cloth on electronics to remove dirt or dust.
- Do not attempt to service or repair the product(s) unless done by an authorized service personnel. Contact your local Traxon office or distributor for details.
- If the product is not working as specified, please contact your nearest authorized service center or Traxon Technologies office for assistance.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

7. Technical Specification

For detailed product specifications, please refer to the product data sheet or www.traxon-ecue.com.

As with all electronic devices, LED output degrades over time - a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degradation is a complex function of many factors such as operating efficiency, duration of continuous operation, and operating conditions (e.g. ambient temperature).

Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process always results in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

8. Troubleshooting



CAUTION: Ensure power supply is OFF when disconnecting / connecting cables.

Problem	Cause	Possible Solutions
Product does NOT light up after installation	Incorrect power connection	Check Mains Power. Check power supply leads and wire connections. Ensure output wires are connected with proper polarity. Check if LED Engine's secondary output is working as specified.
Shadowing	Light source covered	Check for cables, wires or unwanted debris covering LED light source.
Modules are dim	Excess products connected	Ensure the power supplies are not overloaded due to an excess of products connected.
Flickering	Incorrect power input/Excess products connected	Ensure the input voltage is correct. Ensure the power supplies are not overloaded due to an excess of products connected.

If problems persist or the product is not working as specified, please contact your Traxon Technologies office for assistance.

9. Warranty Statement

Traxon Technologies warrants its Products against material or workmanship defects for a period of seven (7) years from date of invoicing, provided that the purchased items are used under the conditions stated in this user manual.

Please refer www.traxon-ecue.com for all warranty terms and conditions.



IP66



Caution, risk of electric shock



TRAXON

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