



TUFF-LITE

QUALITY LED LIGHTING

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QUALITY LED LIGHTING

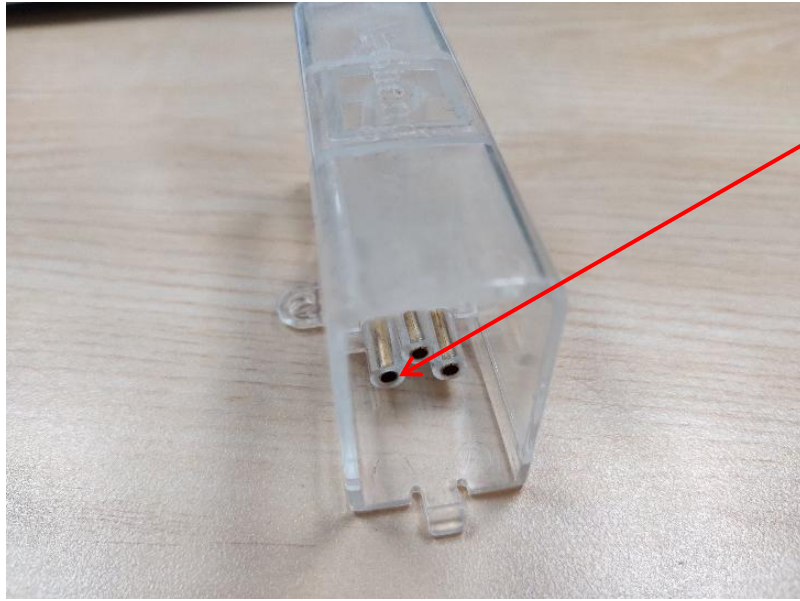


INSTALLATION INSTRUCTIONS

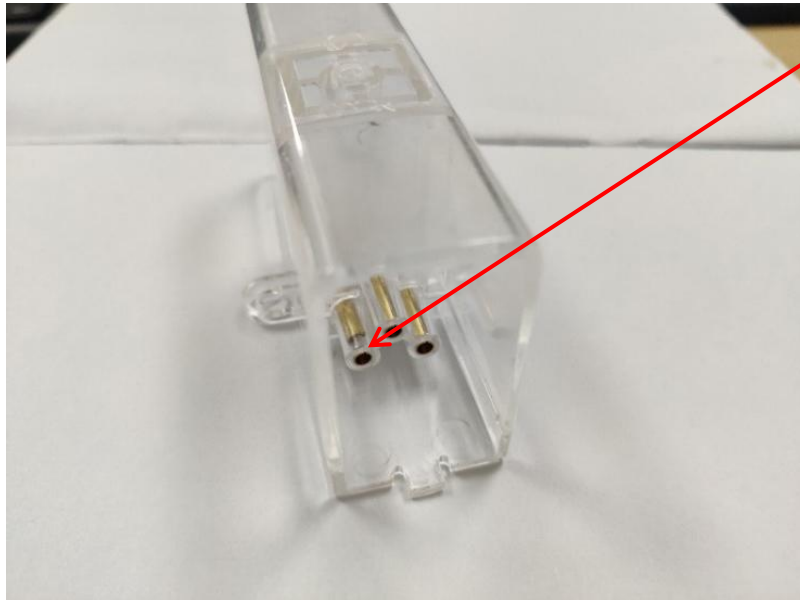
Please read this manual before assembling and keep for future reference.

PLEASE TEST LIGHTS BEFORE FITTING!

WARNING!!!



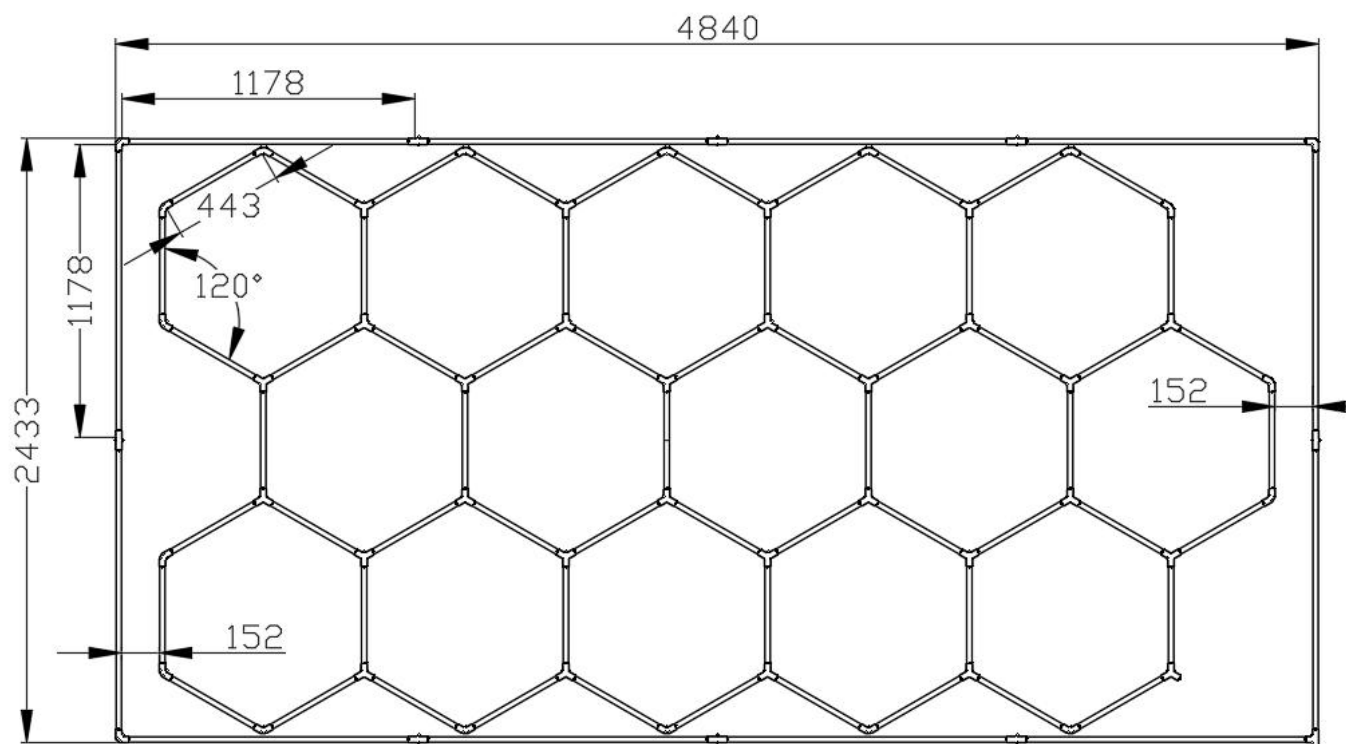
Original copper fittings



Copper fittings damaged by excessive force

Please do not assemble with excessive force, this can damage the connectors. If the connectors do not match well with the tubes, please push the cover of the tubes into the connector first, then the aluminum body. If the problem persists, please change to another tube.

1. Design sketch

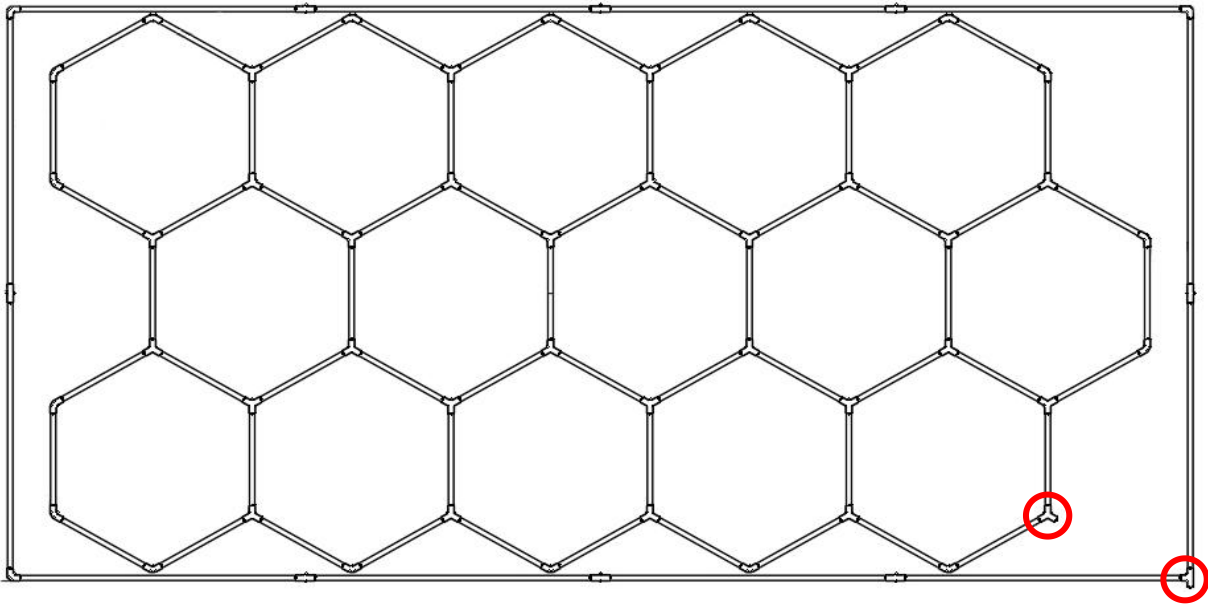


Series	Name	Specfication	QTY	Unit
1	tubes	Size: 440*20mm Power: 6w	60	pieces
2	tubes	Size: 1185*20mm Power: 16w	12	pieces
3	connectors	90° 2-way white	3	pieces
4	connectors	180° 2-way white	8	pieces
5	connectors	T-shaped 3-way white	1	pieces
6	connectors	120° 2-way white	17	pieces
7	connectors	120° Y connector white	29	pieces
8	The cable	1-end	2	pieces
9	installation instruction	-	1	pieces

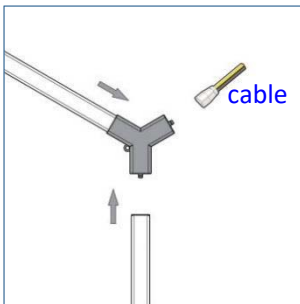
2. Technical Data

Voltage	AC220V
Power	552W
Current	2.5A
Instantaneous current	5A

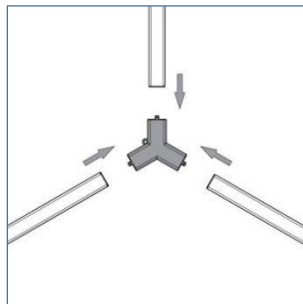
3. Connect the tubes in series as follows



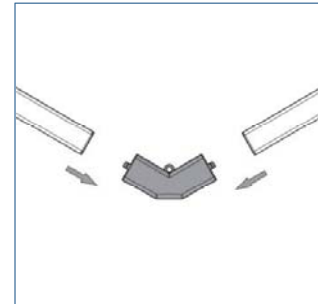
1. The 2  connect as per image



2. Other 3-ended connection connect as per image



3. Other 2-ended connection connect as per image



CAUTION!!

1. Please be careful while connecting the tubes with the connectors. The copper needle in the connectors can be damaged by incorrect installation or excessive force.

2. Installation only by a qualified electrician.

3. There are only 2 points for the wire connections on the structure

4. Cable information;

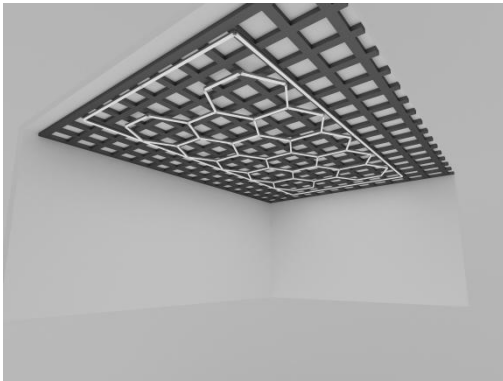
Red wire——L

Blue wire——N

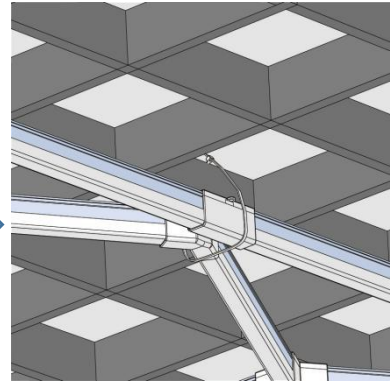
Yellow wire——E

4. Installation guide

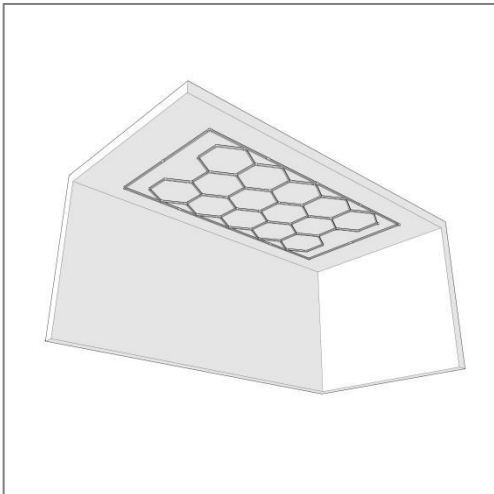
A Grid Roof



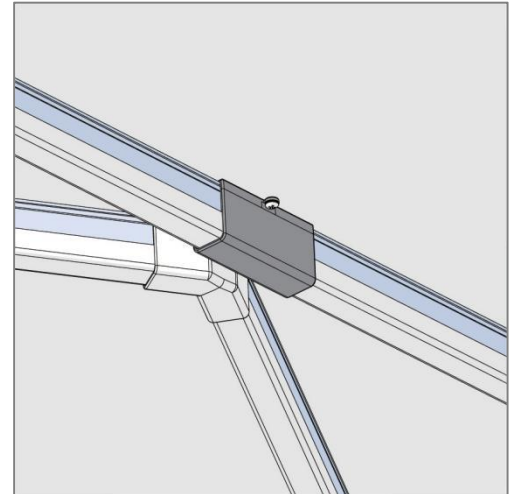
Secured with chains
or cable ties



B Flat Roof



Screw the connectors/
holder directly to the
ceiling



Remarks:

1. There should be 2 wires available to connect with 220V.
2. Installation to be carried out by a qualified electrician.