Schréder
Experts in lightability™

SHUFFLE

Versions NAM

Installation instructions

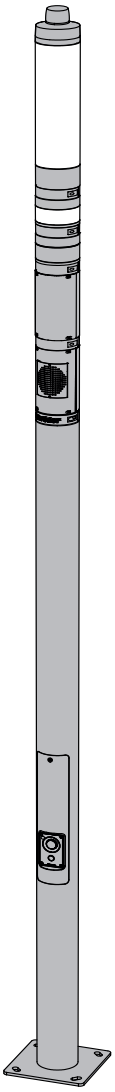
120-277V
50 / 60Hz

1

This product shall only be installed or replaced by a qualified professional. Always switch off the power prior to installation, maintenance or repair activities.
Handling and installation must be carried out in compliance with safety requirements and regulations.

Components

2

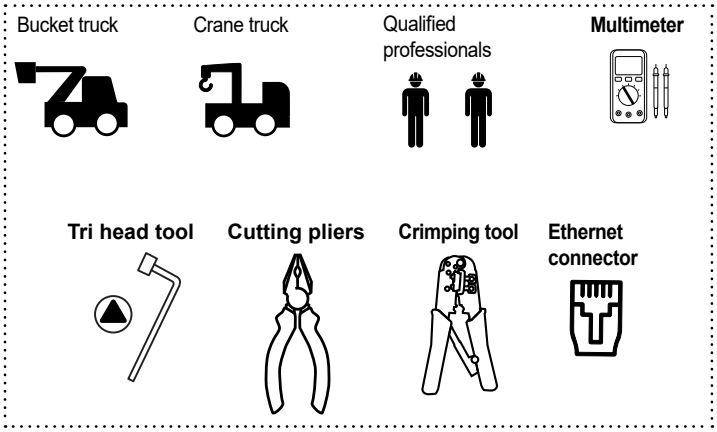


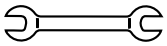
Depending on the version, up to 5 modules can be mounted on the pole.

Tool and Resources Guide

3

Resources that may be necessary during installation.





13 mm | 1/2 in – To tighten the M12 connector in the Intercom.
13 mm | 1/2 in – To fix the grounding terminal in the pole.
16 mm | 5/8 in – To tighten the M20 connector in the Intercom.
27 mm | 1 1/16 in – To tighten the screws in the flange plate of the pole.

3 mm | 1/8 in – To open the Mains Box connectors.
4 mm | 4/32 in – To fix the Pole Interface on the pole.

2.5 mm | 3/32 in – To open the connectors to insert the wires in BYL Box connectors (6-pin cable) and Lighting Box connectors (9-pin cable).
4 mm | 5/32 in – To open the Mains box, Lighting Box.
The other types can be useful for any type of problem solving.

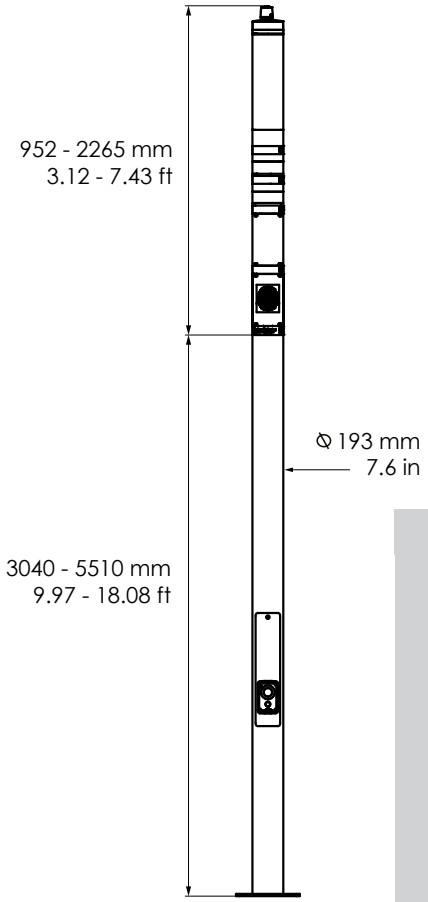
3 mm | PH1 – To open the connectors in the fuses of the Mains box.
4 mm | PH2 – To open the Beyond Lighting Box.

T10 – To fix the PIR Sensor in the pole.
T10 – To remove body from 180 Camera.
T20 – To remove the Intercom in the Multipurpose Door.
T25 – To open the protector in the 180 module.
T25 – To remove the top cover in the top module.
T25 – To remove screws that are inside the modules.

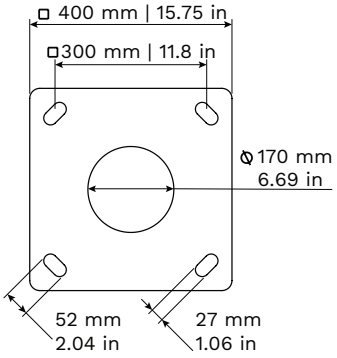
T40 – To fix the clamps on the modules.

Dimensions

4



Pole flange dimensions



Weight
modules

7 - 27.3 kg
15.4 - 60.1 lbs

Weight
pole + boxes

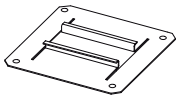
61 - 107 kg
134 - 236 lbs

Packaging

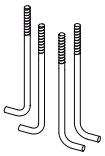
5

SHUFFLE ANCHORING

1x wood template



4x - Anchor bolt
3/4-10 X 17 X 3 Hook



8x - Hex nut 3/4 X 10

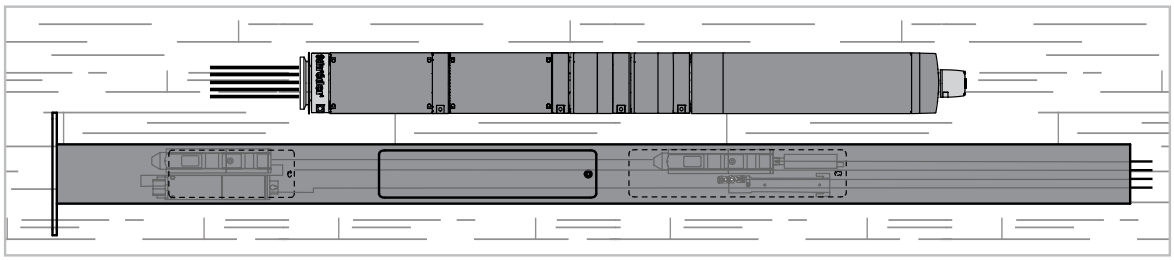
8x - Flat washer
0.81 ID X 2.0 OD X .13 thick

SHUFFLE Anchoring kit is supplied separately.
It should be installed and fixed before mounting the SHUFFLE pole.

SHUFFLE MODULE ASSEMBLY, POLE and BOXES

The pre-assembled SHUFFLE is supplied in a wood crate.

ASSEMBLE WITH CARE!
SHUFFLE components have a durable finish. To protect this finish during assembly, place unwrapped painted parts on a protective surface that will not damage the coating. Do not place or slide painted parts on concrete or other hard or textured surfaces. This will damage the finish causing rust to occur. Use touch-up paint on any gouges on the finish caused by assembly tools.



Length: 3500 mm (11.5 ft) | 4500mm (14.8 ft) | 5500 mm (18 ft) | 6500 mm (21.3 ft)
Width: 1000 mm (3.3 ft) | 2000 mm (6.6 ft)
Height: 600 mm (2 ft)

Installation

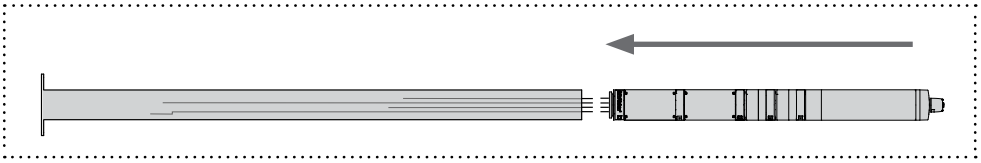
6 **Before installing, verify you have the following:**

- **infrastructure prepared with the correct cabling and connections for the version that will be installed.**
- **conditions for a safe and legal installation**
- **necessary qualified professionals**
- **necessary equipment and tools**
- **necessary components**

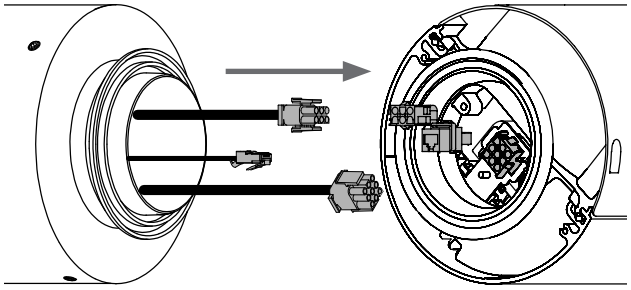
Before installing the pole, anchoring must be be installed, refer to SHUFFLE Anchoring installation intructions (DOC-0021298).

Aside from this SHUFFLE Version assembly installation instruction, each module, pole and boxes has it's own installation instruction with more information. These documents are available on our website: www.schreder.com.

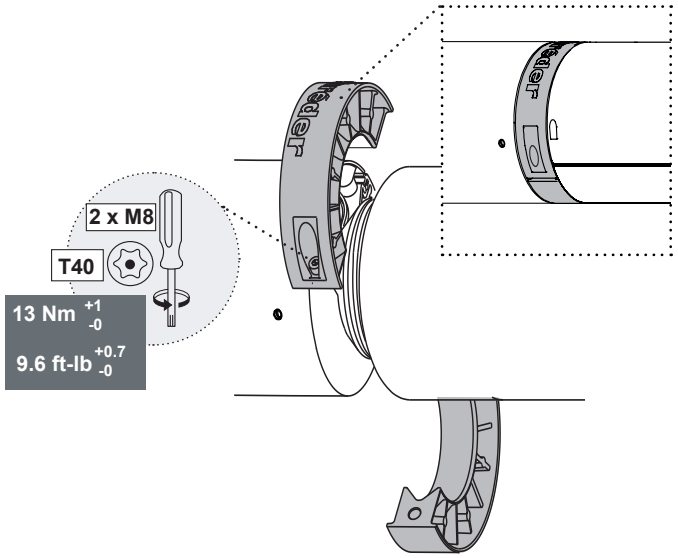
6.1 **Horizontal**: **(not applicable in recessed pole version)**
Connect cabling and clamps between pole interface and bottom module of the module assembly. Assure everything is well connected and tightened. Put SHUFFLE assembly in upright position and mount pole on to the anchor bolts.



6.2 **Connectors**:
Connect the Mains and control, DC BUS, and Network cables.

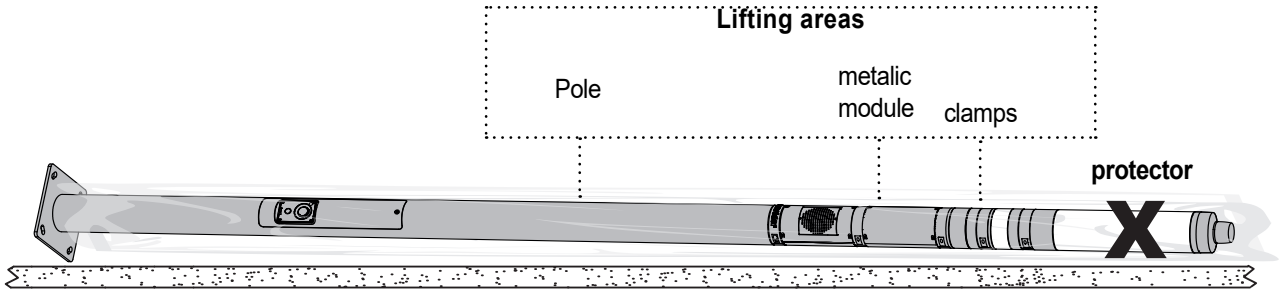


6.3 **Clamps**:
Mount and tighten branded clamps



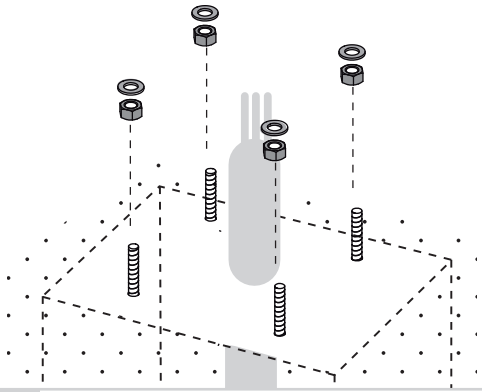
6.4 **Lifting assembly**:
Lift the SHUFFLE assembly to a vertical position:

- **Keep the pole protected with the packaging to avoid damaging the surface finishing.**
- **Installers should evaluate the assembly and decide the appropriate process for lifting the poles and modules.**
- **Lifting devices can be placed on the pole and the metallic parts of the modules. Do not place lifting devices on pole features (Intercom, power sockets) and plastic protectors.**

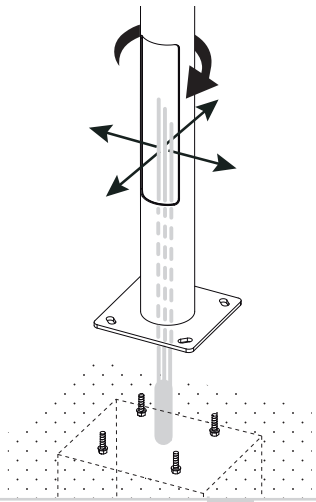


Installation pole

7 **7.1** Place a levelling nut and washer on each anchor bolt.



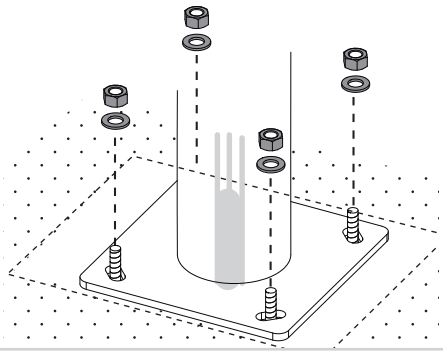
7.2 Align the pole doors to make access and maintenance easy and safe.



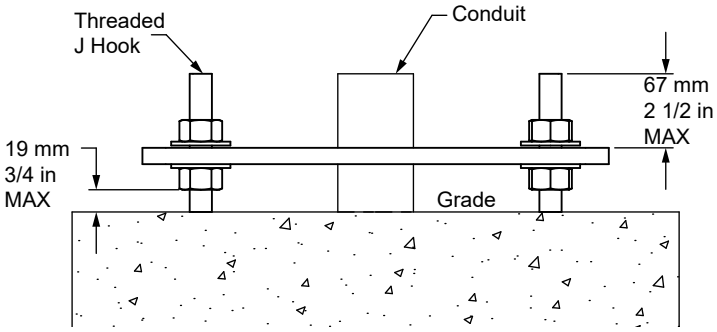
7.3 Guide the infrastructure cabling inside the pole through conduit hole on the flange plate.

Mount the pole on the anchor bolts.

Place the flat washer and nut on the blots.



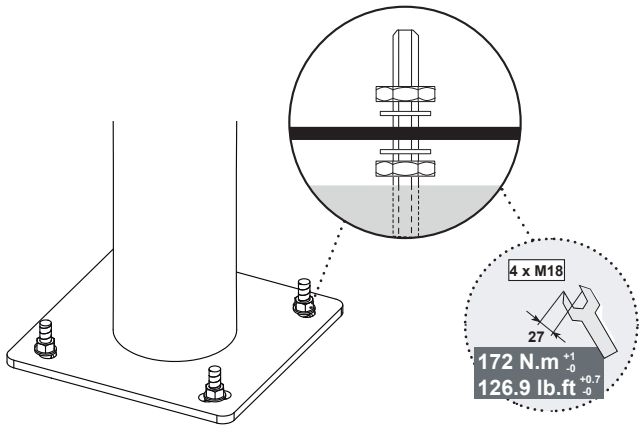
7.4 Below are the recommended heights for mounting the base plate on the anchor bolts.



7.5 Check, and if necessary correct, the column's verticality by turning the leveling nuts underneath the flange plate.

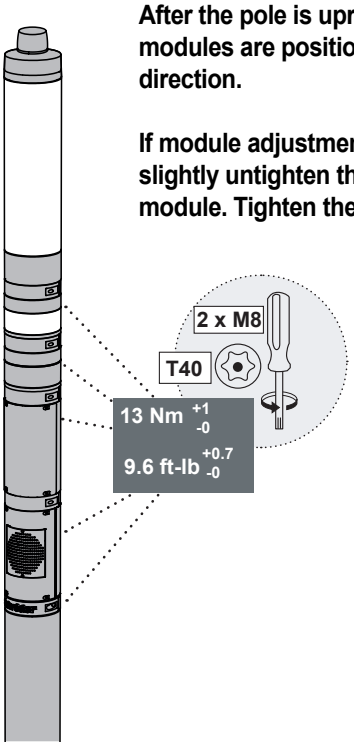
Tighten the nuts following the recommended torque values.

Check the correct vertical alignment of the pole.

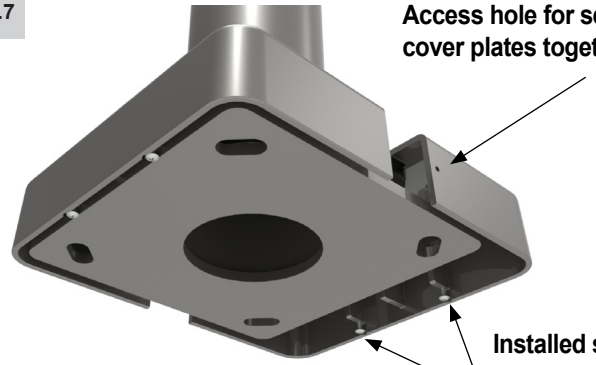


7.6 After the pole is upright, confirm the modules are positioned in the correct direction.

If module adjustment is necessary, slightly untighten the clamps. Turn the module. Tighten the clamps.



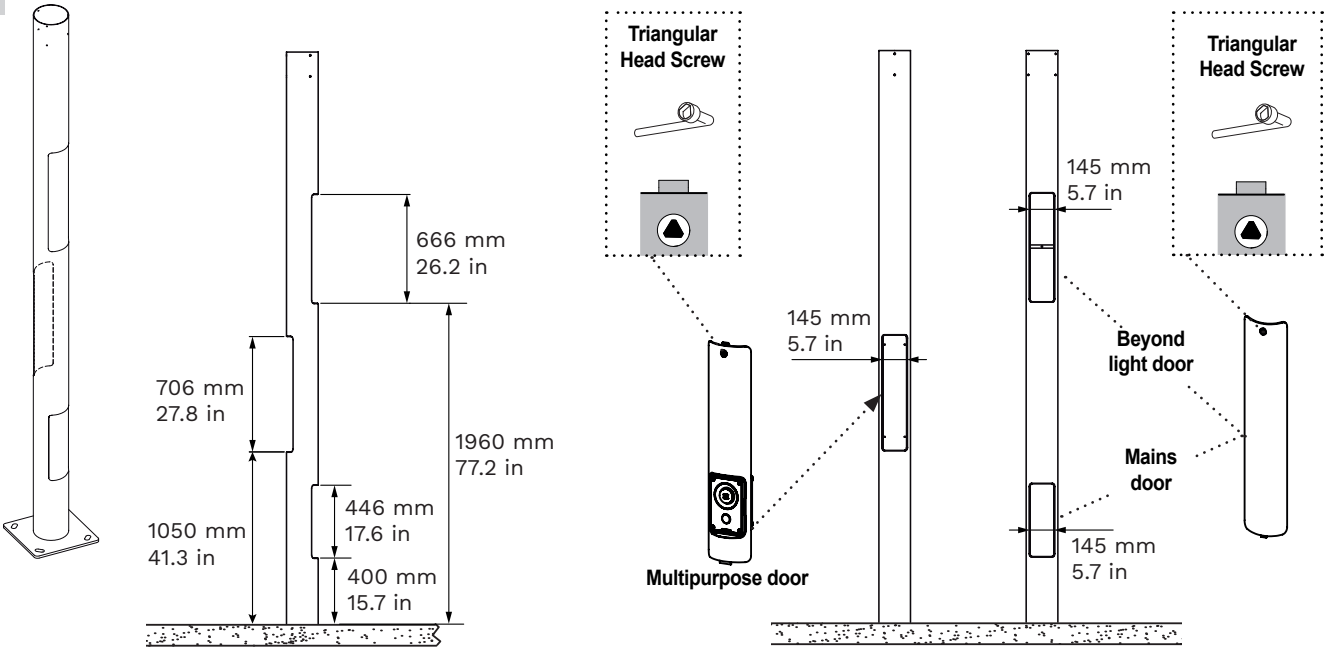
7.7



Pole doors

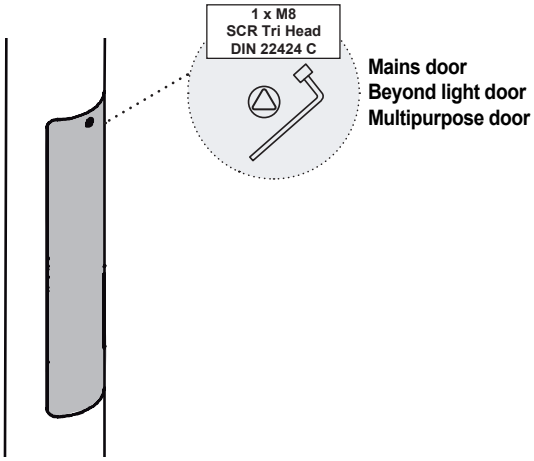
8

8.1 **The SHUFFLE POLE GEN2 - 3 door pole: Mains, Multipurpose and Beyond Light.**

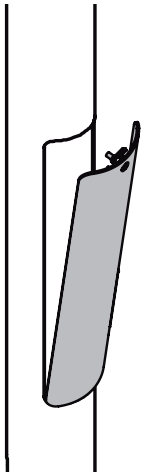


8.2

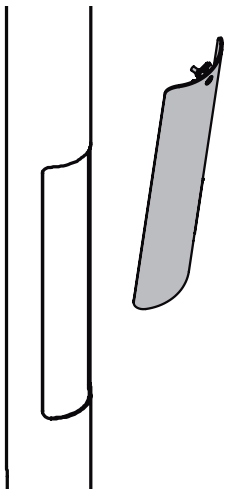
Use the appropriate tool to turn the locking plate horizontal and unlock the pole door.



Tilt the door outwards.

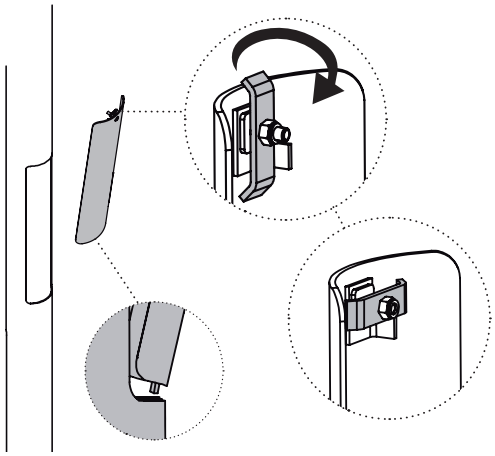


Lift the door from the pole

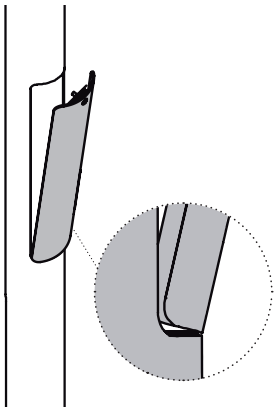


8.3

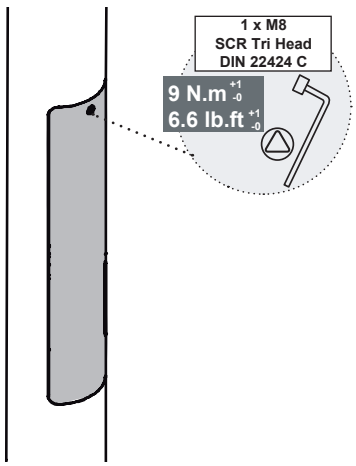
Confirm locking plate is horizontal. Place door on pole.



Tilt the door inwards to pole.



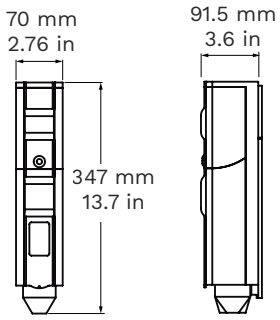
Use the appropriate tool to turn the locking plate vertical and lock the pole door.



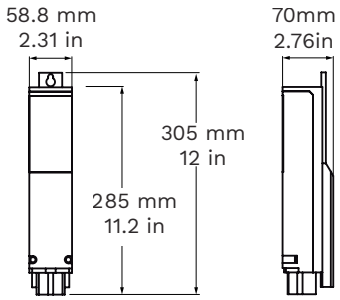
Boxes

9 Mains Box

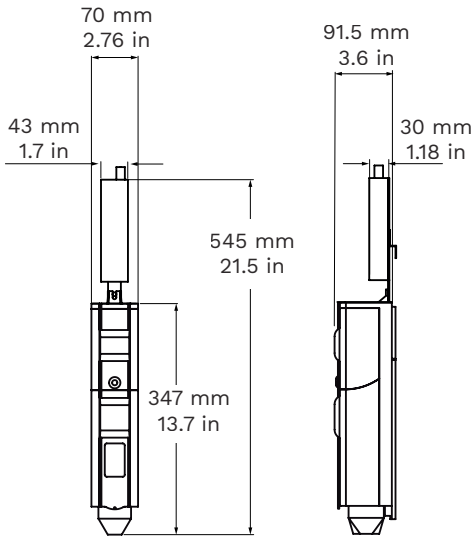
9.1



Lighting Box



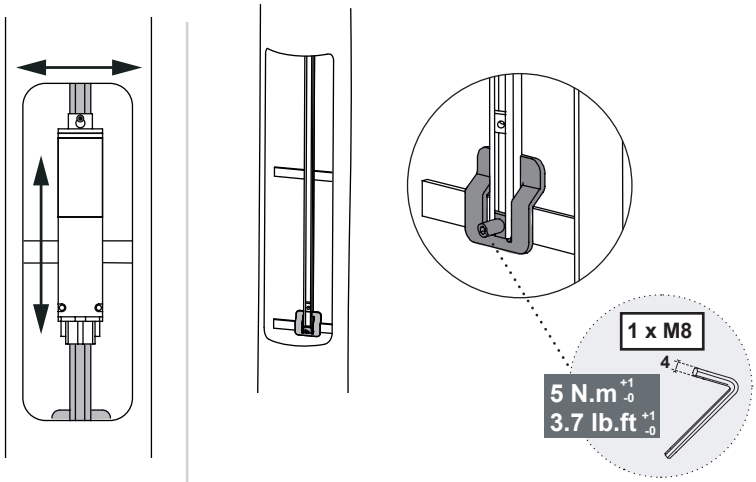
Beyond Light Power Box

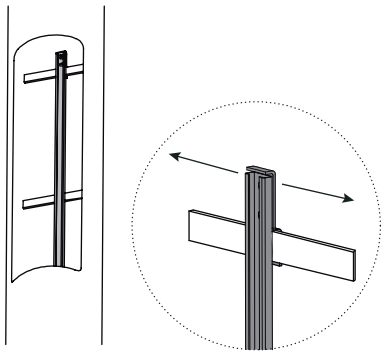


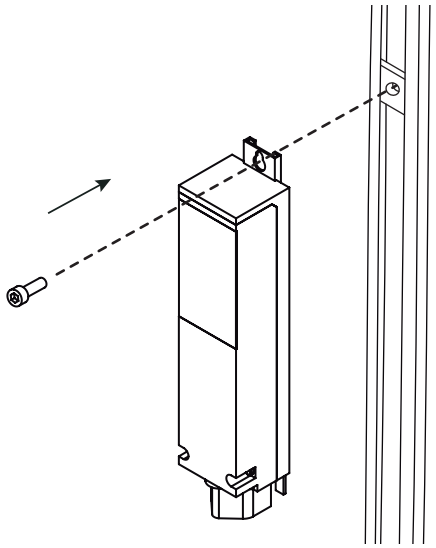
9.2

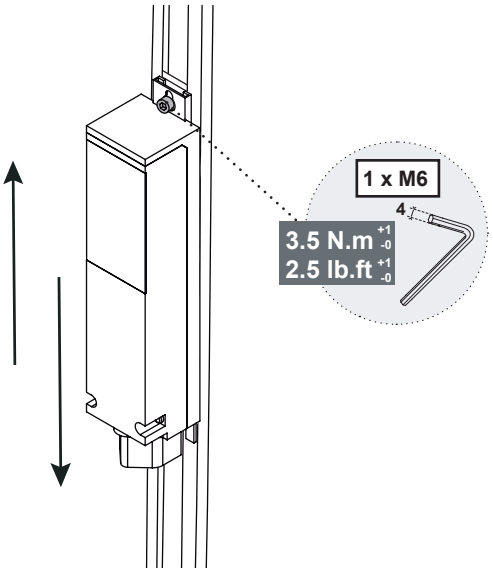
C-Rail

The C-rails are mounted on horizontal bars inside the pole. The SHUFFLE boxes are mounted on these C-rails. The C-rails can slide horizontally on the bars and the box can slide vertically on the rail. This permits the best alignment of the components inside the pole and mechanical fixation of the box.





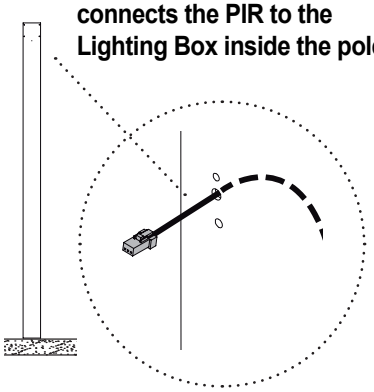




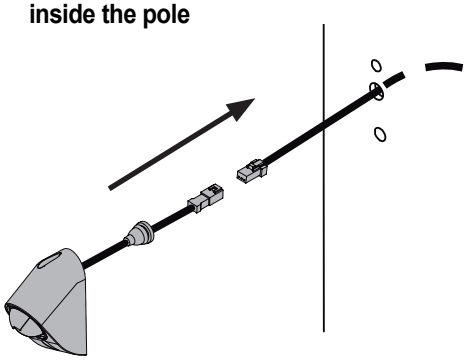
PIR Sensor

10

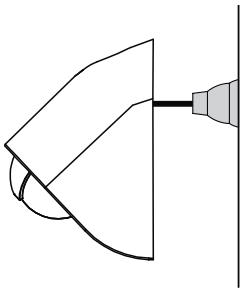
10.1 **The PIR sensor is mounted on the pole. The PIR harness connects the PIR to the Lighting Box inside the pole.**



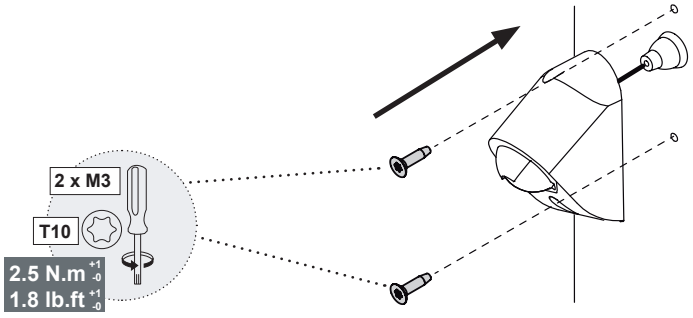
10.2 **Connect the PIR sensor to the harness. Carefully slide cable inside the pole**

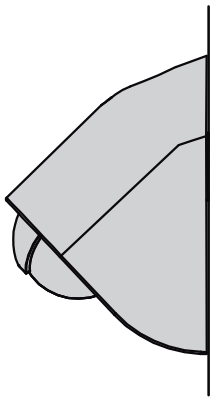


10.3 **Slide rubber cable grommet to pole surface.**



10.4 **Mount PIR over grommet on to pole and tighten screws.**





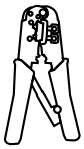
Support plate network

11

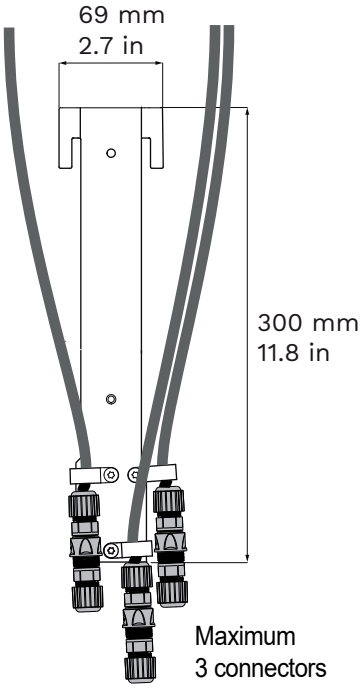
11.1

Network infrastructure cables are installed on the connectors supplied with the Support Plate Network. These cables must be crimped on location. Tool and connectors are not supplied.

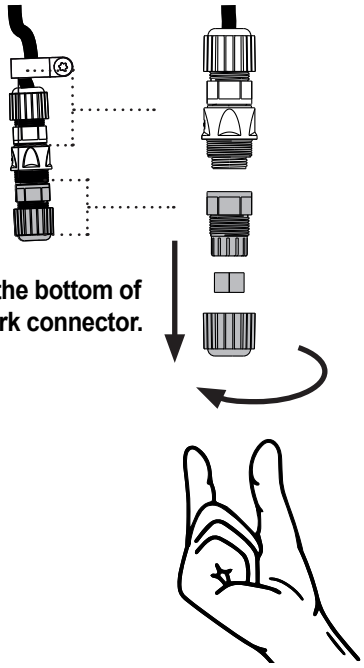
Crimping tool



Ethernet connector

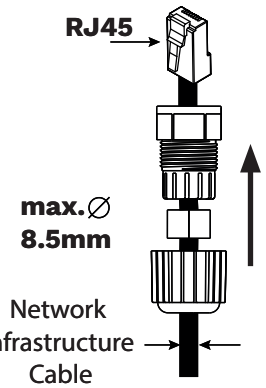


11.2

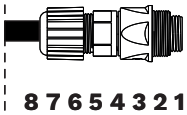


Unscrew the bottom of the network connector.

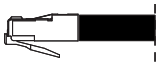
11.3 **Add the ethernet connector to cable and mount on to network connector.**

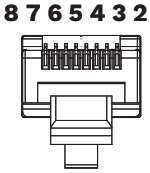


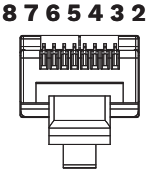
Network harness supplied with SHUFFLE



Network Infrastructure Cable

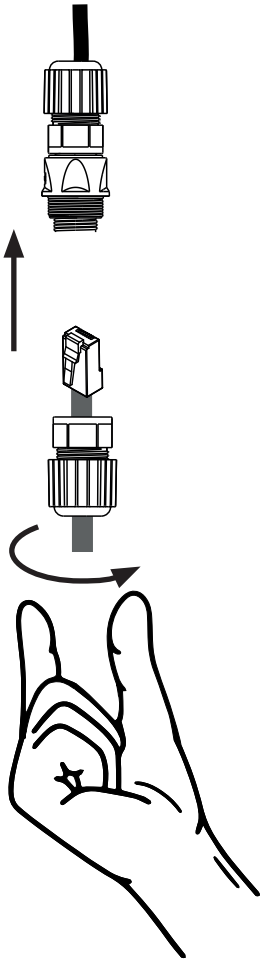






RJ45 Con Pin	Wire Color	RJ45 Con Pin
1	White / Orange	1
2	Orange	2
3	White / Green	3
4	Blue	4
5	White / Blue	5
6	Green	6
7	White / Brown	7
8	Brown	8

11.4



Connection Mains Door

12