

# INSTALLATION INSTRUCTIONS

PRİESS

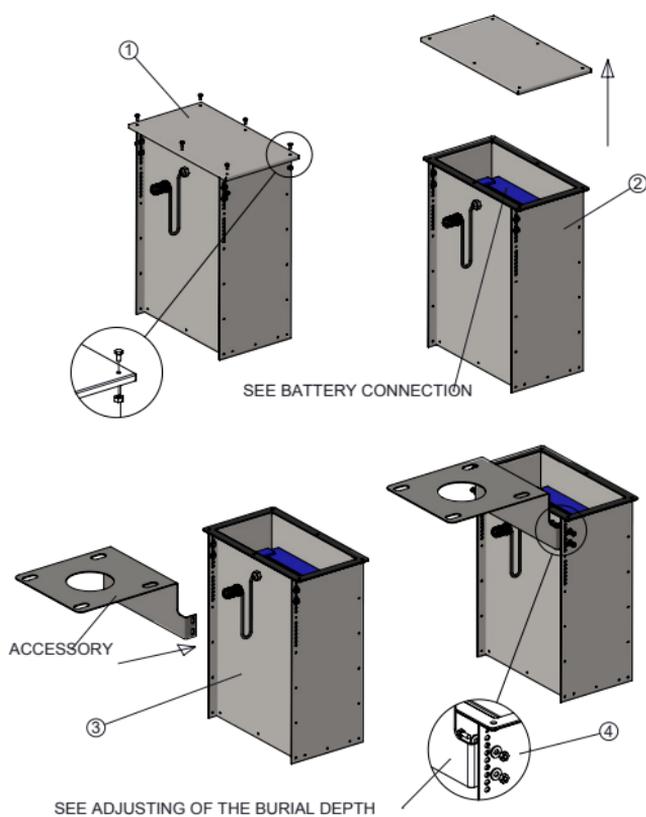


# PLECTRE SUN

# 1. BATTERY BOX INSTALLATION

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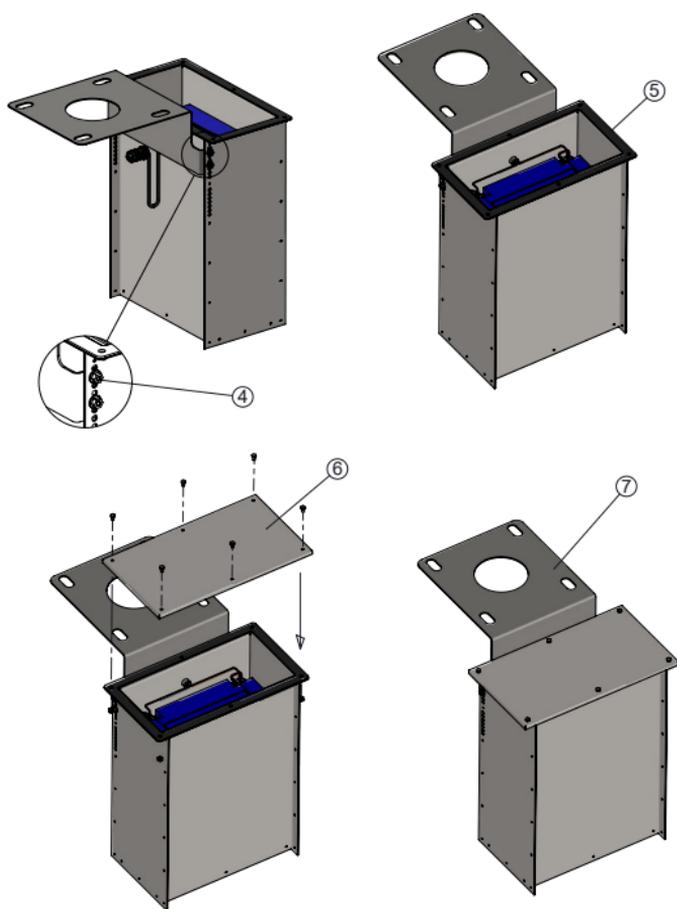
SADDLEBACK BATTERY BOX:  
PREPARING FOR INSTALLATION ON CONCRETE  
FOUNDATION



# 1. BATTERY BOX INSTALLATION

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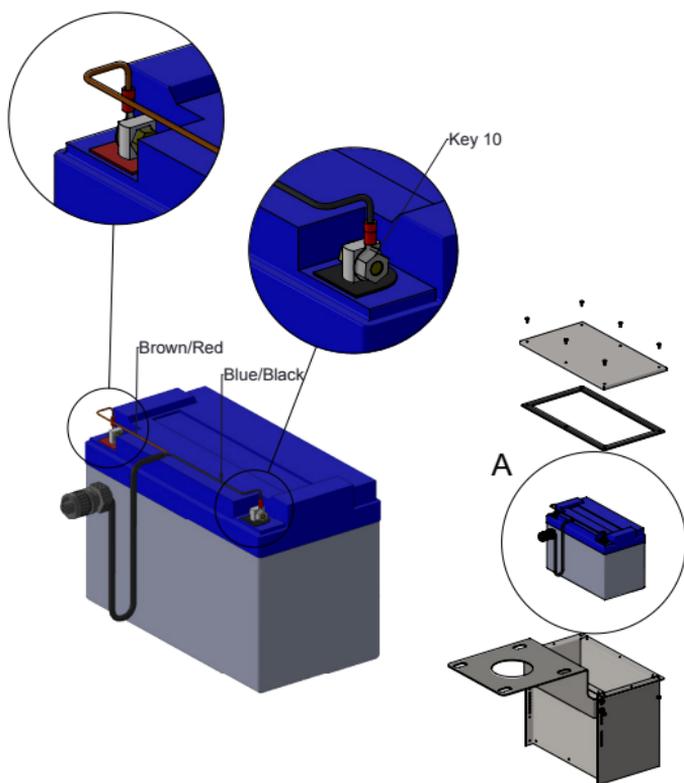
SADDLEBACK BATTERY BOX:  
PREPARING FOR INSTALLATION ON CONCRETE  
FOUNDATION



# 1. BATTERY BOX INSTALLATION

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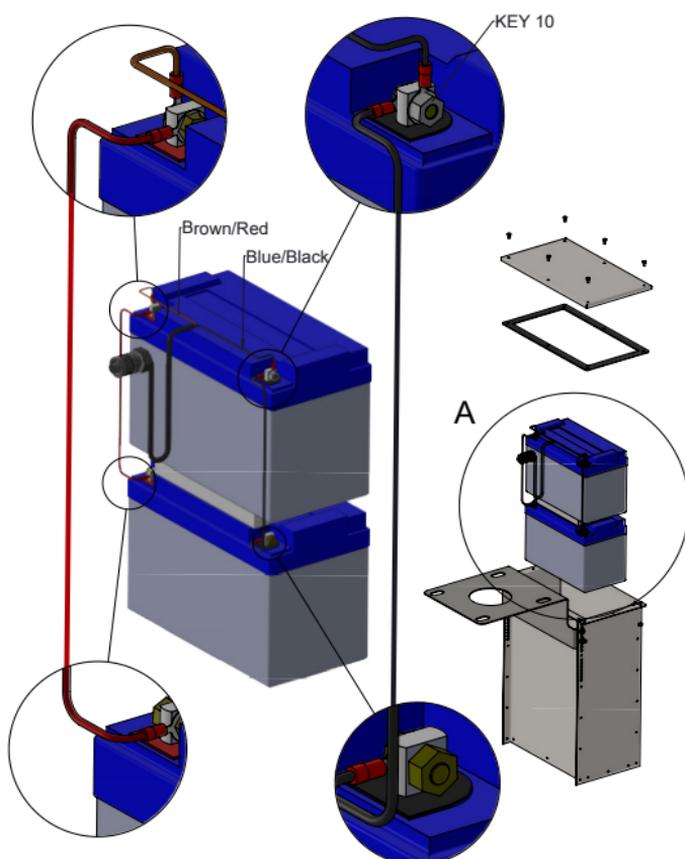
SADDLEBACK BATTERY BOX:  
POS.2: BATTERY CONNECTION FOR 1  
BATTERY.



# 1. BATTERY BOX INSTALLATION

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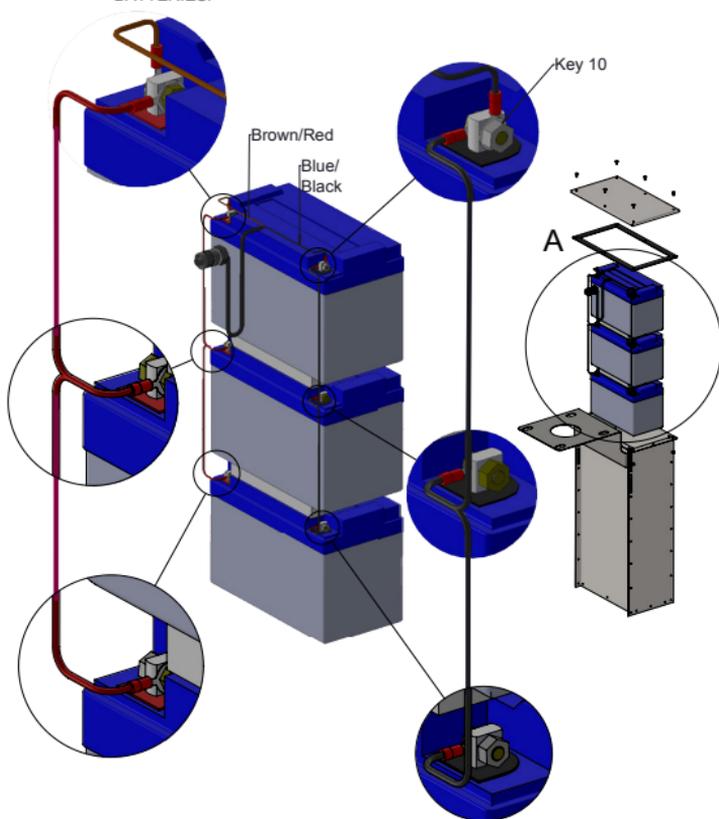
SADDLEBACK BATTERY BOX:  
POS.2: BATTERY CONNECTION FOR 2  
BATTERIES.



# 1. BATTERY BOX INSTALLATION

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SADDLEBACK BATTERY BOX:  
POS.2: BATTERY CONNECTION FOR 3  
BATTERIES.

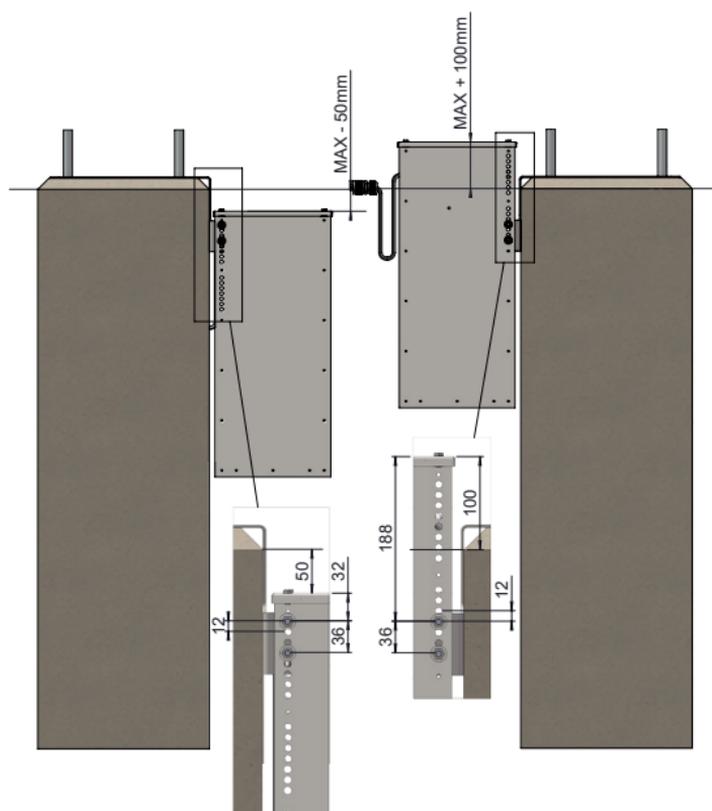


# 1. BATTERY BOX INSTALLATION

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SADDLEBACK BATTERY BOX:

POS.4 : ADJUSTING THE BURIAL DEPTH



# 1. BATTERY BOX INSTALLATION INSTRUCTION

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## SADDLEBACK BATTERY BOX: INSTALLATION INSTRUCTION

Pos. 1: Remove the 6 pcs. M6 screws ( key 10) from the top cover.

Pos.2 : Remove the lid.

Check that the battery connection is properly fitted.

(see instruction "battery connection for 1 ,2 or 3 batteries").

Pos.3: Place the mounting bracket (accessory) for the concrete foundation at the desired distance, above or below ground level.

(See instruction "NGR-depth for batterybox")

Pos.4: After determining the desired location for the mounting bracket, it is being tightened in the selected mounting holes with 2x2stk. M6 screws.

Pos.5: To obtain a watertight connection between the battery box and the top cover, make sure that the included rubber seal is mounted.

Pos.6: Attach the lid of the battery box with 6pcs. M6 screws.

Pos.7 : Battery box is now ready for installation / burial.

## Replacement of battery

When the battery needs to be replaced or you want to inspect the battery box, you have to take appropriate precautions.

First of all disconnect and isolate the cables to avoid the risk of short circuit, which may result in sparks that occur.

As the battery may develop gasses during the charging process, residues of gas can occur in the battery box. The use of cutting tools and open fire is therefore prohibited when opening the battery box.

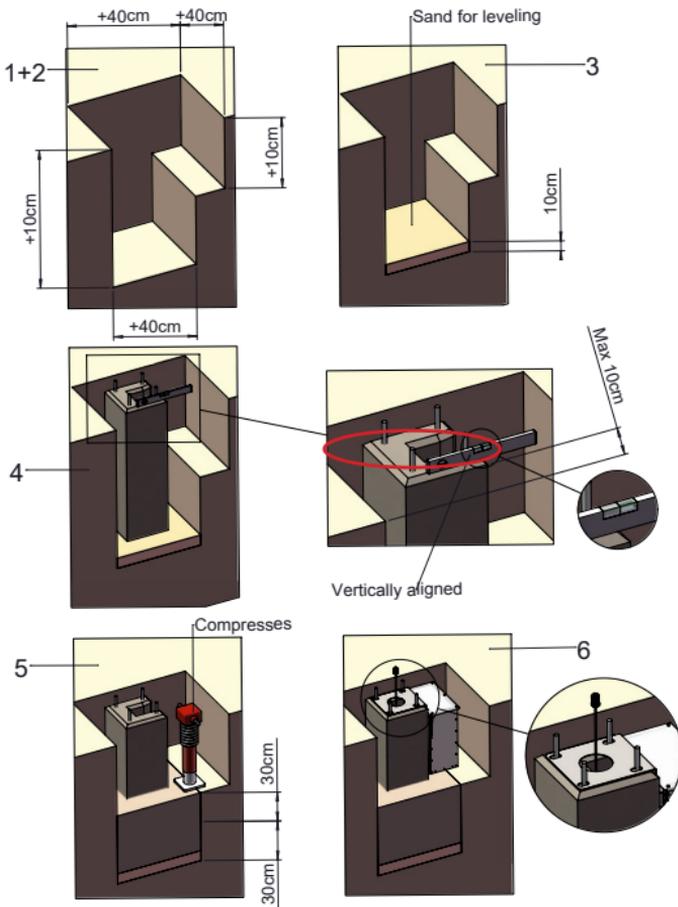


Furthermore, we refer to the battery manufactures material safety data sheet and the technical manual.

## 2. GROUNDING OF BATTERY FOUNDATION

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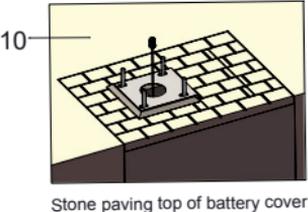
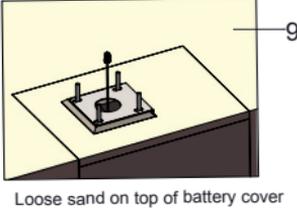
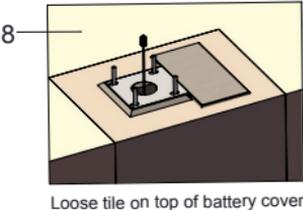
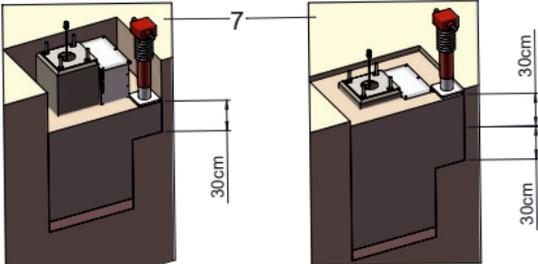
### SADDLEBACK BATTERY BOX ON CONCRETE FOUNDATION



# 2. GROUNDING OF BATTERY FOUNDATION

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## SADDLEBACK BATTERY BOX ON CONCRETE FOUNDATION



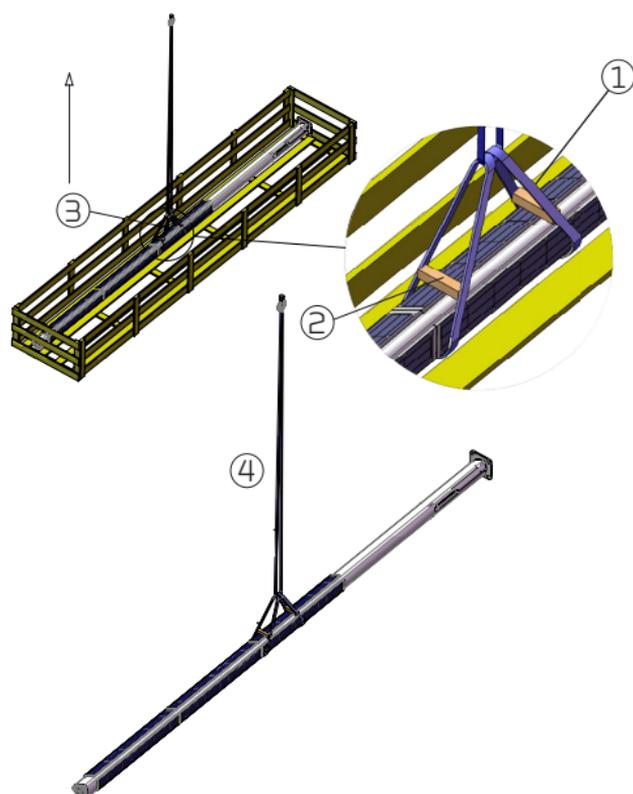
## 2. GROUNDING OF BATTERY FOUNDATION

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1. Firstly remove topsoil, tiles or other coating around the selected area.
2. Next dig a hole for the foundation which is at least 40 cm bigger than the foundation.  
(Eg. foundation = 50x50 cm .. leads to a hole of 90x90 cm.)  
  
The hole should be 10 cm deeper than the height of the foundation to make room for a well graded sand material for grinding.  
(Eg. foundation H = 130 cm .. results in a depth of 140 cm.)
3. Add leveling layer and smooth out.
4. Place the foundation in the middle of the hole on the leveling layer and make it plumb afterwards.  
  
Important! In order to provide a proper and stable foundation, the edge/flad of the foundation is to be placed maximum 10 cm above ground level.
5. Fill the hole around the concrete foundation with gravel and compress per 30 cm up to the level of the lower edge of the desired saddleback battery box.  
  
This assures that the foundation is leveled after the compression
6. Place the saddleback battery box with mounting bracket at the chosen side on the foundation bolts, and make sure the cable from the saddleback battery box is either passed through the existing wiring in the concrete foundation or through the slanting slit in the concrete foundation which is then pulled through the bracket and above the soil level.
7. Fill up the hole with gravel around the concrete foundation and battery box and compress again per 30 cm until the level around the edge of the lid on the battery box is reached, - or if the battery box is located above land -up to ground level.  
  
The foundation is now complete and can be finished with below options.
8. For easier access to the battery box, it is recommended to put a tile (approximately 30x60 cm) on top of the lid of the battery box, and then fill the rest of the hole up with loose sand or soil which is tamped lightly.
9. If the battery box is located close to ground level, it may be advisable to fill up the rest of the hole with loose sand or soil which can easily be removed during the servicing of the batteries.
10. In case of a brick surface the access to the battey box can be a tile or a steel tray with customized tiles placed on top of the lid around which the bricks are being adjusted.
11. If it is not the preferred option to completely bury the battery box it can be placed in such manner that the lid is above ground level and thus facilitates access for maintenance. Subsequently, the battery box and foundation can be hidden by mounting a 2-piece steelbox.

### 3. UNPACKING/HANDLING

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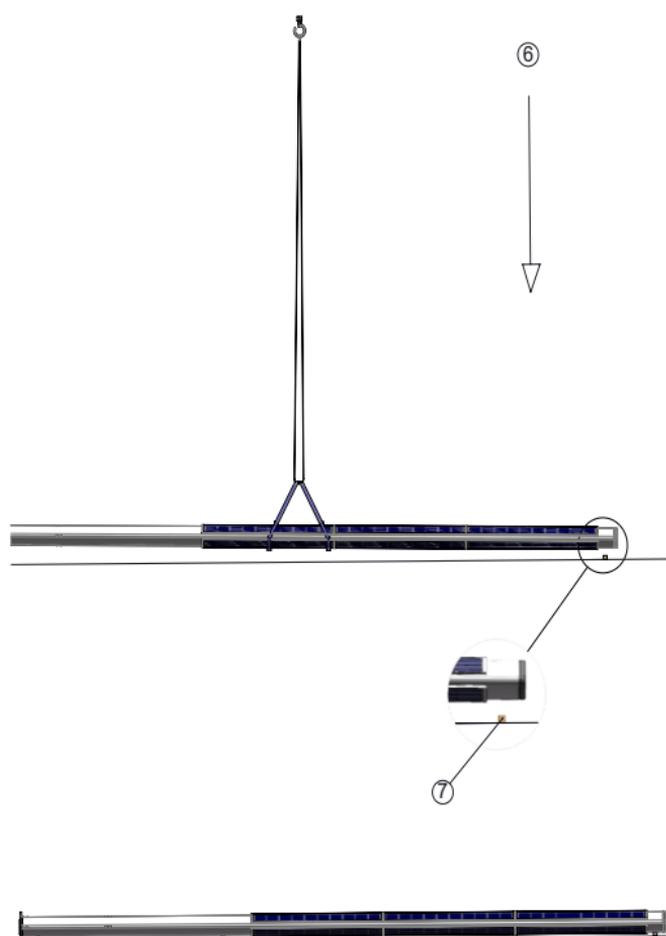


1. Attach carrying strap 1
2. Attach the carrying strap 2.
3. Attach carrying strap
4. Insert strap 3 into the hook and carefully lift the column out of the packaging.

MAKE SURE TO FIND THE MAIN FOCUS ON THE COLUMN

### 3. UNPACKING/HANDLING

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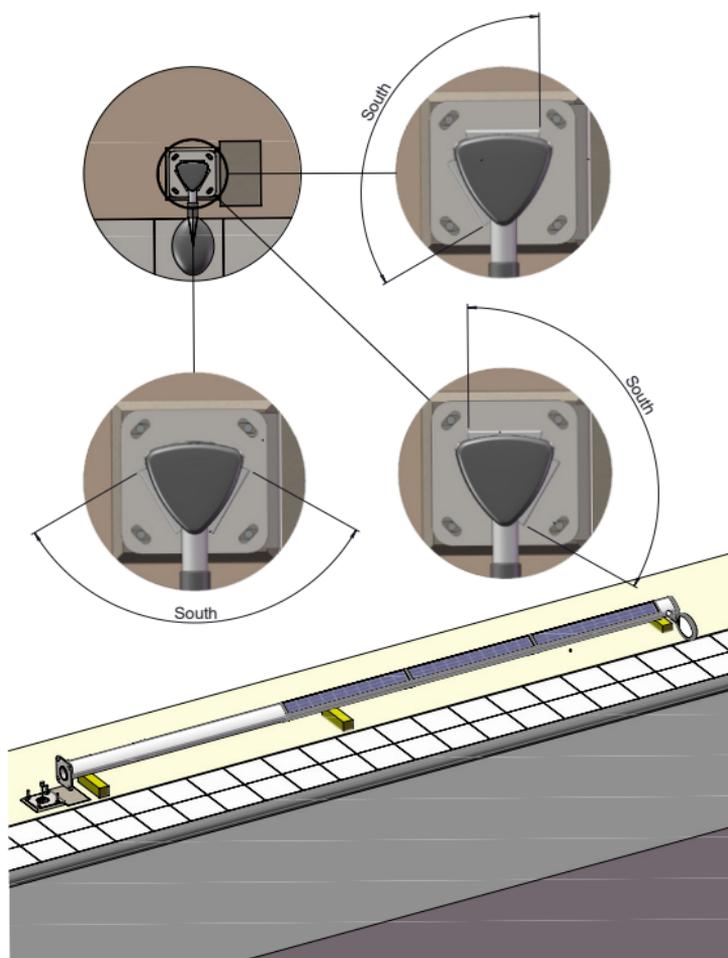


6. Carry the PLECTRE SUN column to the installation site.
7. At the installation site, place wooden joists, trestles or similar underneath the PLECTRE SUN column to protect it from the ground surface. Note! It is important that the joists are placed underneath the aluminum parts, not under the solar cells.

(Make sure that the end of the flange on the PLECTRE SUN column is positioned close to the battery foundation to ease installation).

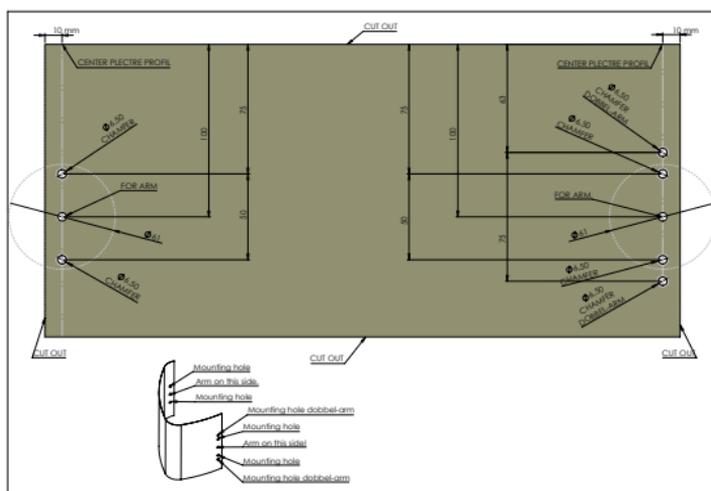
## 4. PLECTRE SUN PLACEMENT ON LOCATION 15

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## 5. DRILLING FOR PLECTRE SUN TOP ARM

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**DOWNLOAD 1:1 DRILLING TEMPLATE FOR PLECTRE SUN TOP-ARM HERE:**



IN CASE OF THE PLECTRE SUN COLUMN IS ALREADY DELIVERED WITH AN ARM, SKIP THE MOUNTING INSTRUCTIONS OF THE ARM AND CONTINUE ON PAGE 22 WITH THE ASSEMBLY OF THE LUMINAIRE.

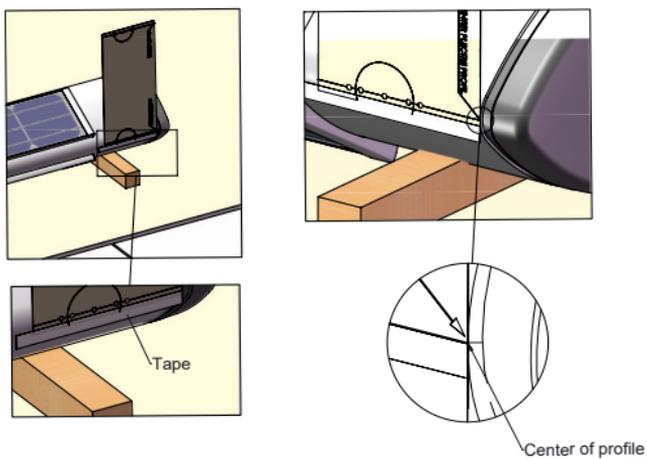
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## 6. PLECTRE SUN MOUNTING INSTRUCTION SINGLE ARM

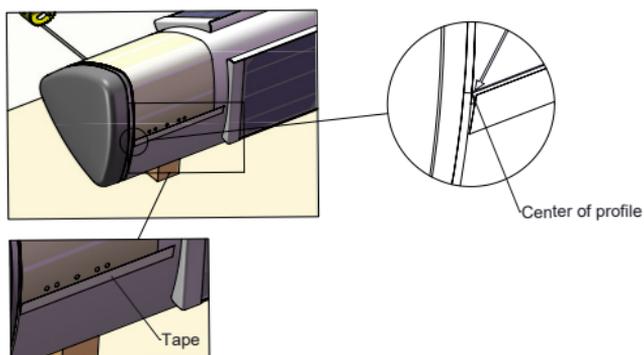
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### Plectre Sun mounting of arm: drilling template

1



2

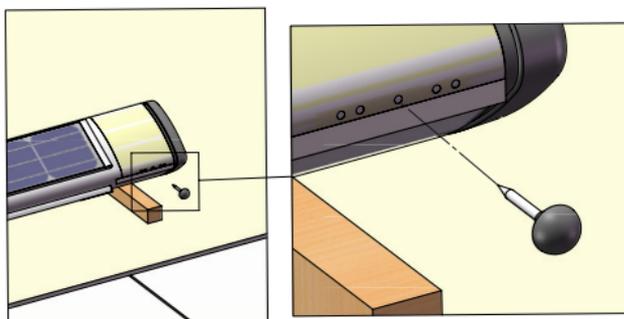


## 6. PLECTRE SUN MOUNTING INSTRUCTION SINGLE ARM

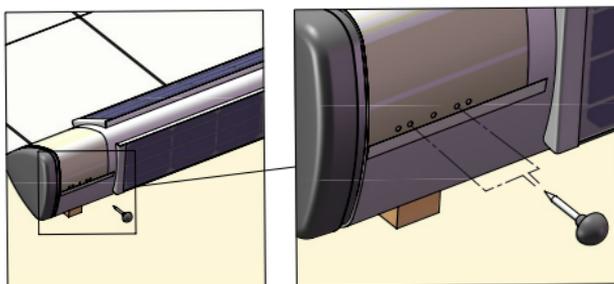
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Plectre Sun mounting of arm: marking

3



4

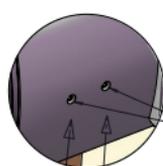
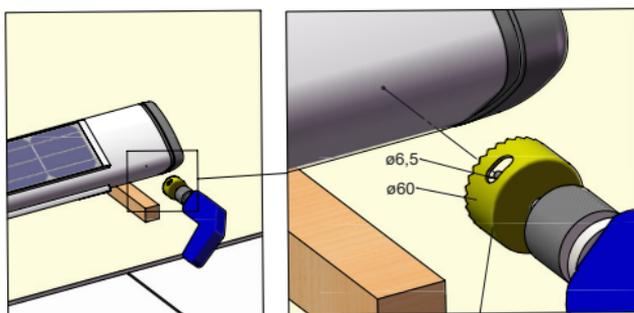


## 6. PLECTRE SUN MOUNTING INSTRUCTION SINGLE ARM

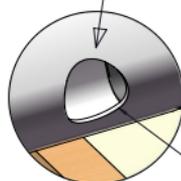
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Plectre Sun mounting of arm: drilling

5

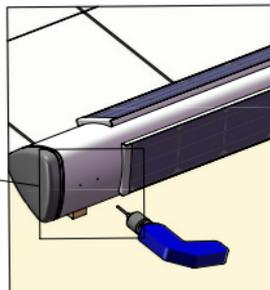
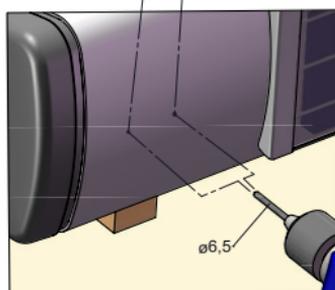


Needs to be deburred



Needs to be deburred

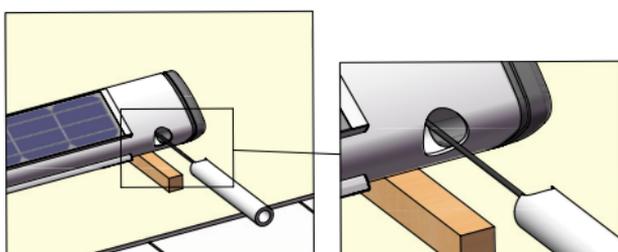
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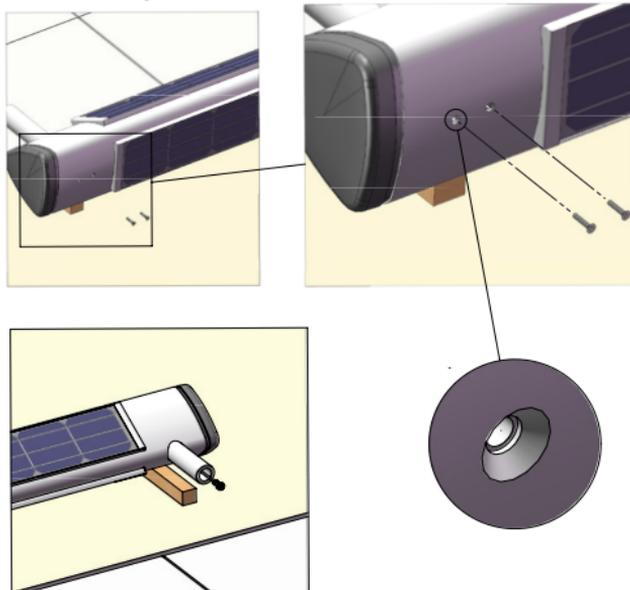
## 6. PLECTRE SUN MOUNTING INSTRUCTION SINGLE ARM

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### 7 Plectre Sun mounting instruction single arm



### 8



## 6. PLECTRE SUN MOUNTING INSTRUCTION SINGLE ARM

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THE PLECTRE SUN TEMPLATE HAS MARKINGS FOR SINGLE-ARM ON THE "POINTED" SIDE, SINGLE ARM ON THE "FLAT" SIDE AS WELL AS MARKINGS FOR MOUNTING OF THE DOUBLE-ARM FASTENED ON THE "FLAT" SIDE.

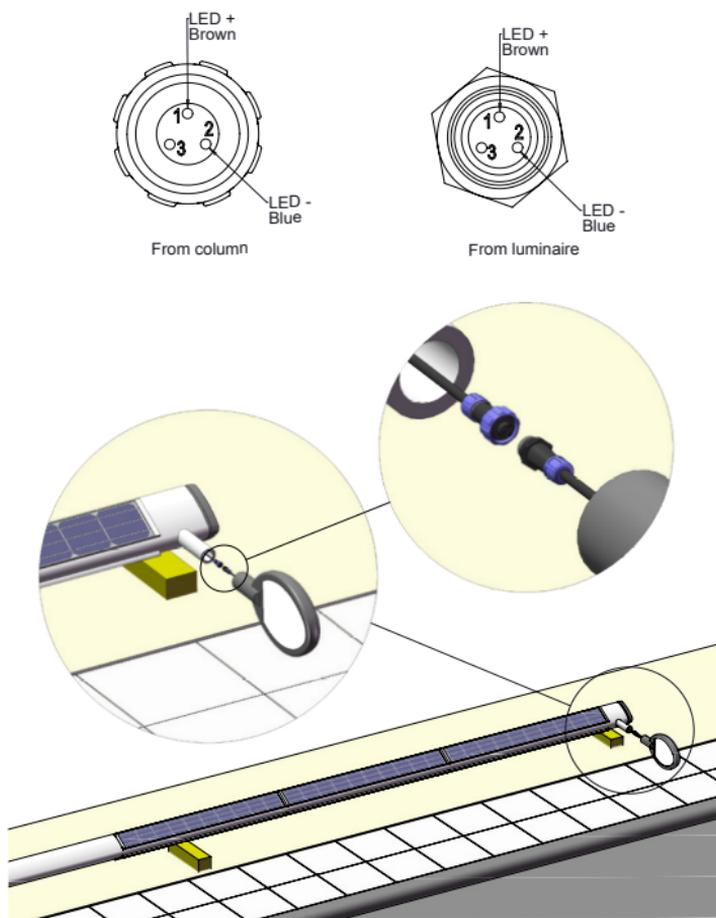
THIS GUIDE EXPLAINS THE PROCEDURE FOR SINGLE ARMED MOUNTED ON THE "POINTED" SIDE.

1. Place the template from the "pointed" side so the center-line on the template follows the centerline on the Plectre Sun profile and the side of the template follows the top edge of the Plectre Sun profile.  
Fasten with tape.
1. Gently roll the template along the top-edge of the Plectre Sun profile, so the center-line on the template meets the center-line of the Plectre Sun profile on the "flat" side.  
Fasten then with tape.
3. Mark up the center hole of the arm, if necessary with an awl or pen.
4. Mark up the center holes for single-arm assembly if necessary with an awl or pen.
5. Remove the template and tape and drill up the marking for arm on the "pointed" side with an  $\varnothing 6,5$  drill and hole saw  $\varnothing 60$ . Remove burrs from the hole subsequently and fit the hole with the enclosed arm.
6. Drill up the marked mounting holes on the "flat" side with an  $\varnothing 6,5$  drill and deburr the holes to fit the supplied M6 screws.
7. Pull the luminaire wire through the supplied aluminium arm and insert the arm so the mountings holes in the arm fits with the drilled mounting holes on the Plectre Sun profile.
8. Mount the supplied M6 screws and tighten.
9. The arm is now ready for assembly of the luminaire.

## 7. PLECTRE SUN INSTALLATION OF LUMINAIRE

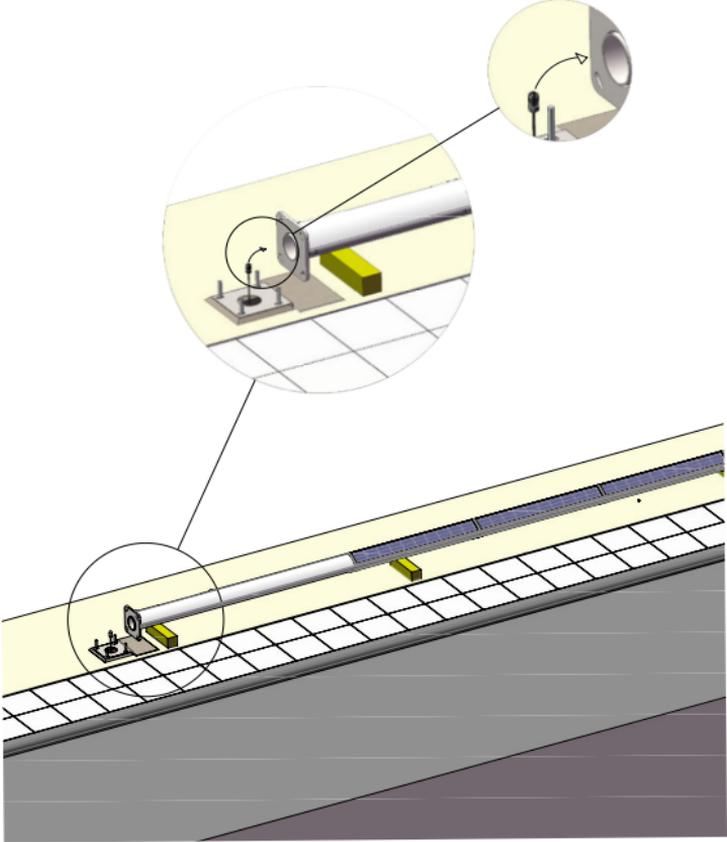
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### Plectre Sun installation luminaire



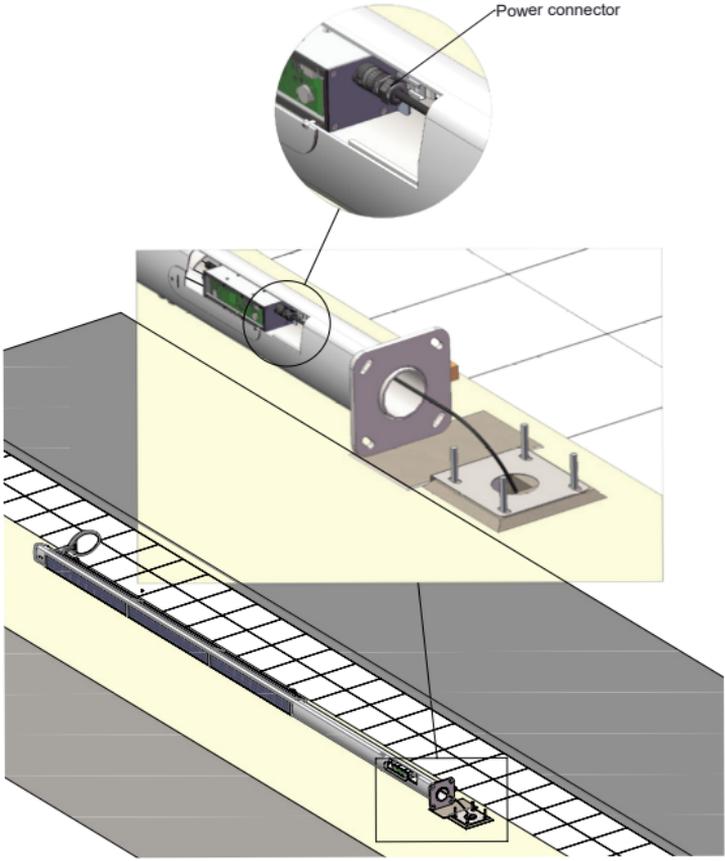
# 8. PLECTRE SUN INSTALLATION FROM BATTERY FOUNDATION

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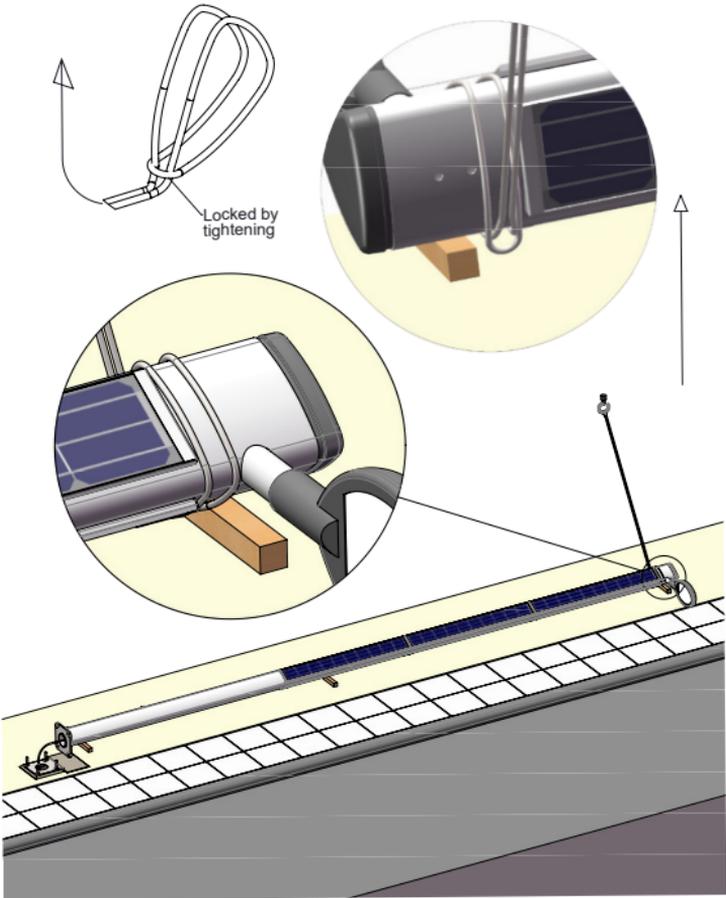
# 9. PLECTRE SUN INSTALLATION FROM BATTERY BOX

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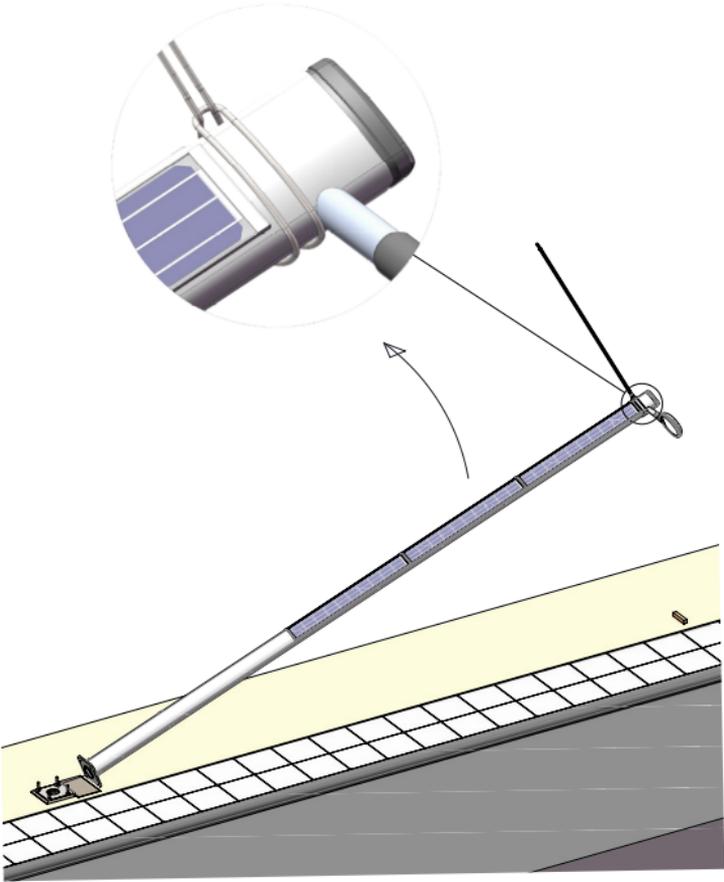
# 10. PLECTRE SUN INSTALLATION ON BATTERY FOUNDATION

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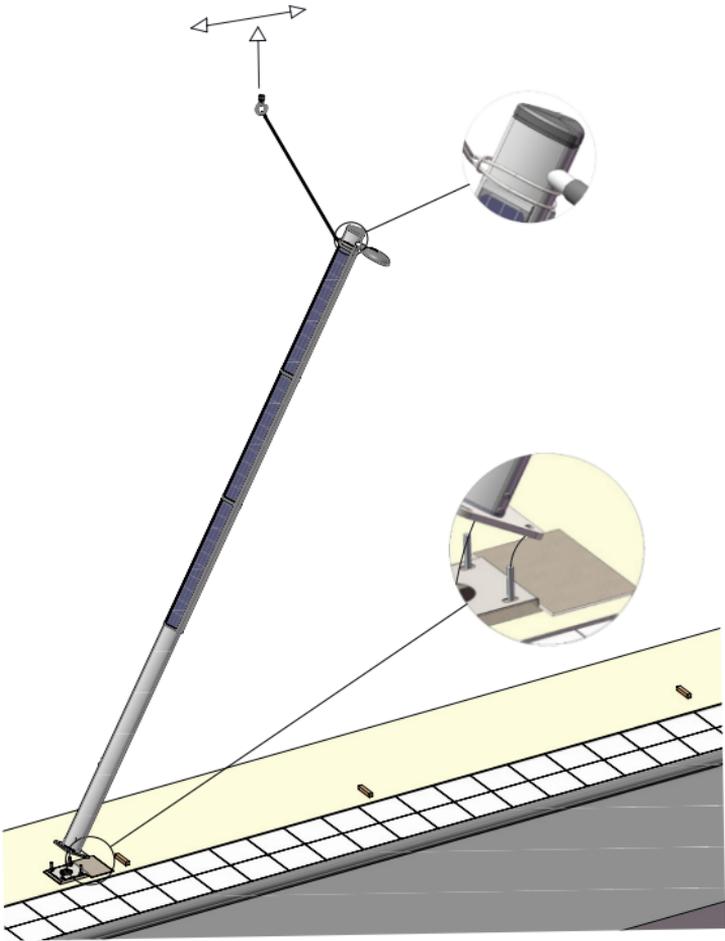
# 11. PLECTRE SUN INSTALLATION ON BATTERY FOUNDATION

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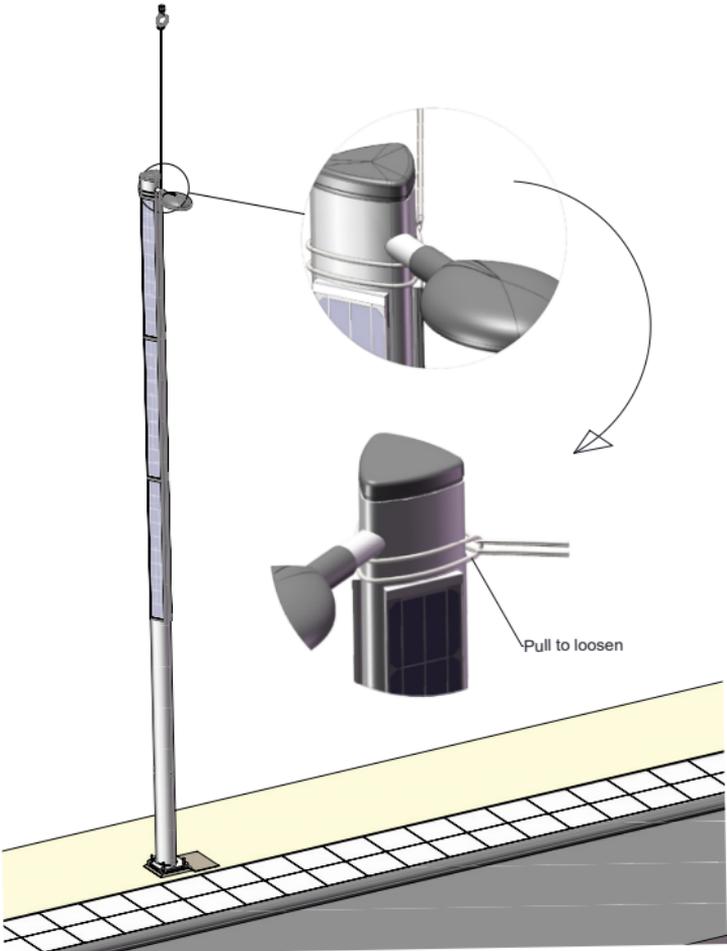
# 11. PLECTRE SUN INSTALLATION ON BATTERY FOUNDATION

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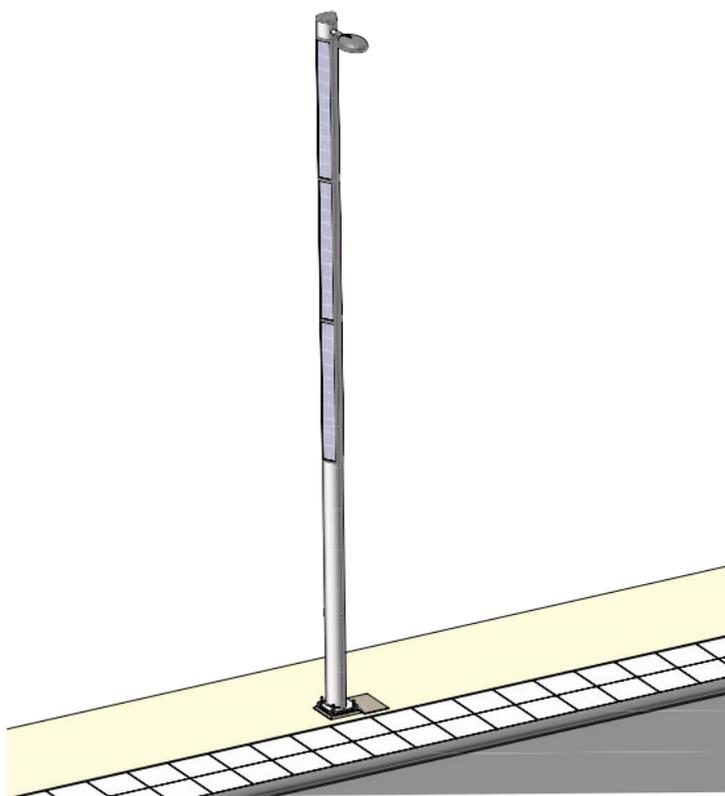
# 11. PLECTRE SUN INSTALLATION ON BATTERY FOUNDATION

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## 12. PLECTRE SUN INSTALLATION FINNISH

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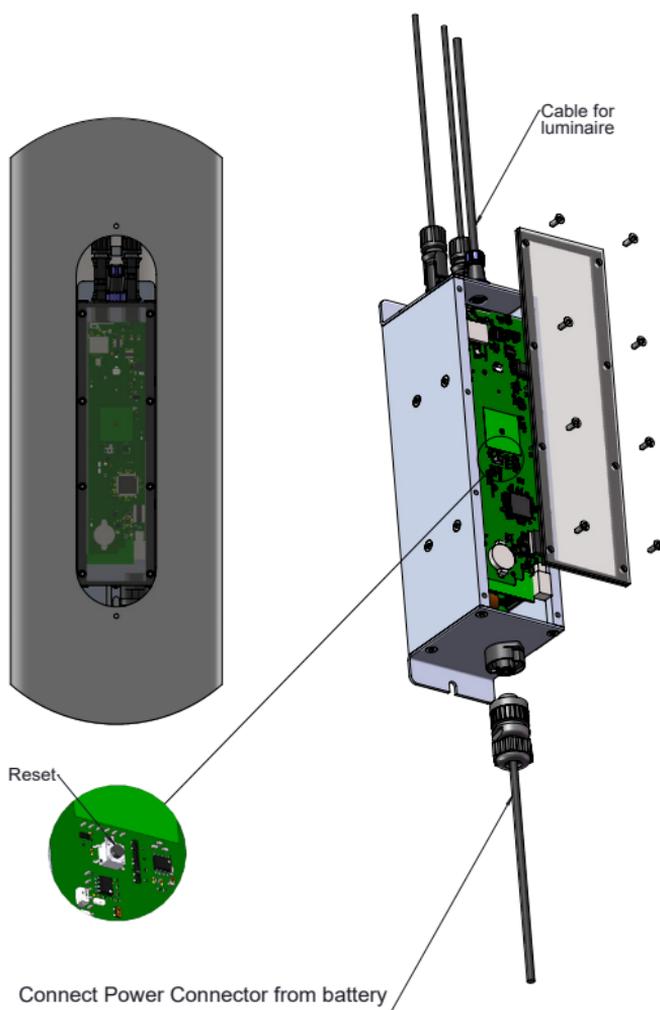
# 12. PLECTRE SUN INSTALLATION FINNISH

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## 13. PLECTRE SUN INSTALLATION OF LCC

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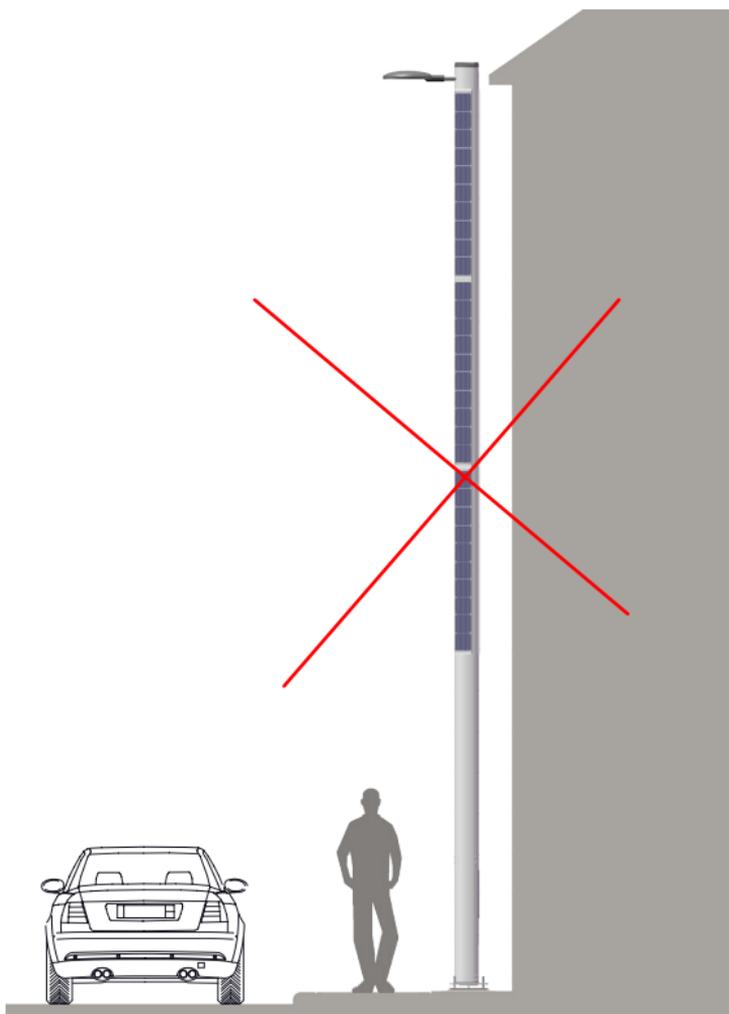
### UP ON POWER CONNECTION:

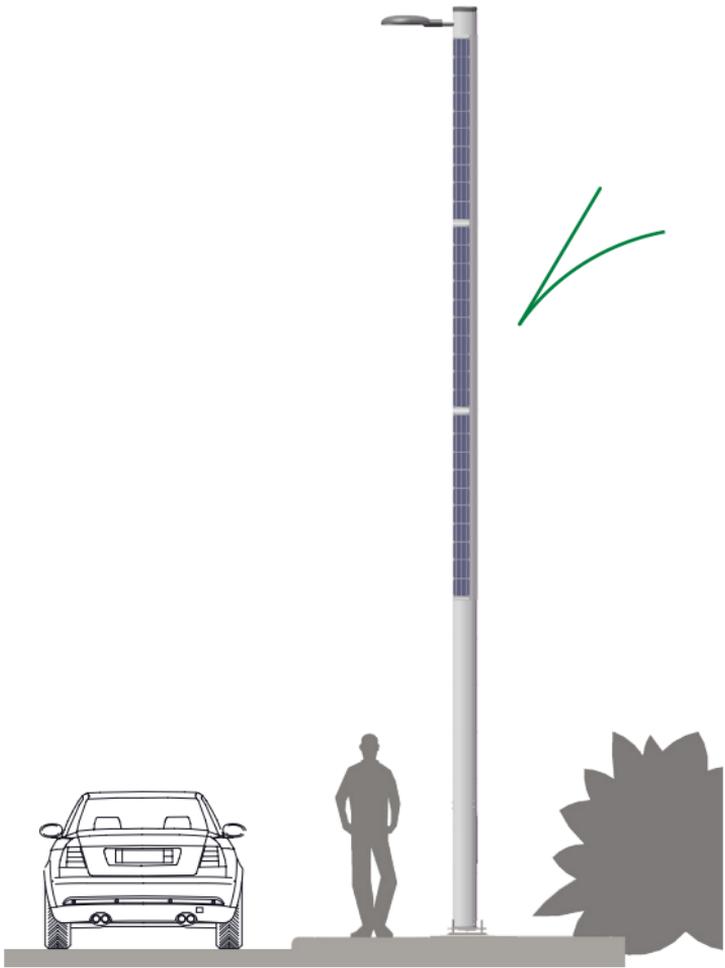
Red "Power LED" – light constant  
Green "Alive LED" – Flash 1Hz  
Green "Status LED" – Flash 1 Hz

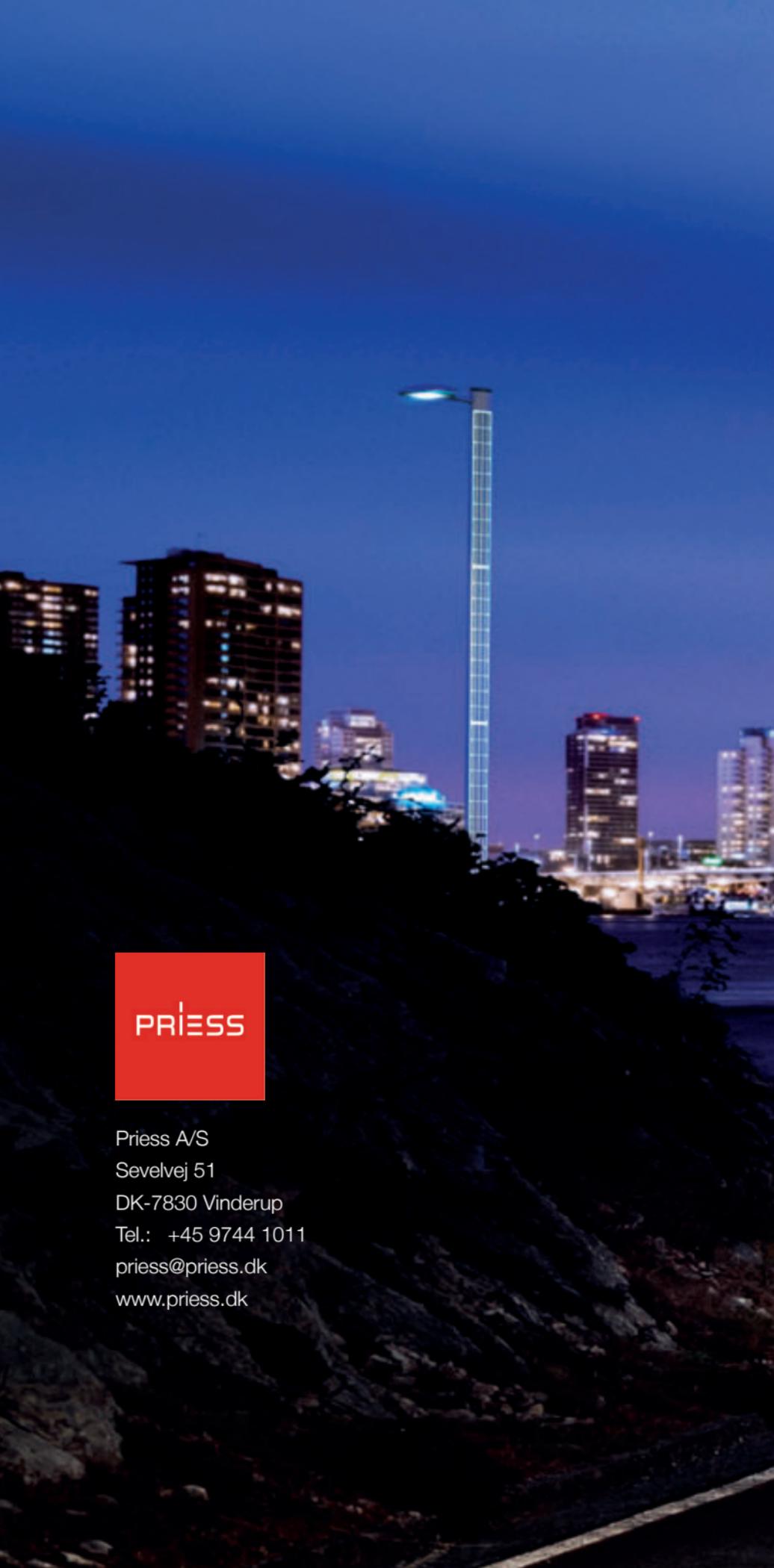
### AFTER 20 SECONDS:

Green "Status LED" – Light constant  
Yellow "Radio LED" – Flash 1Hz = No WiFi  
Flash 5Hz = No MiWi  
OFF = Connected to network  
Red "Alarm LED" – Flash 1Hz = Internal error or error in NFC config. file = Internal error or error in NFC config. file  
OFF= All okay

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