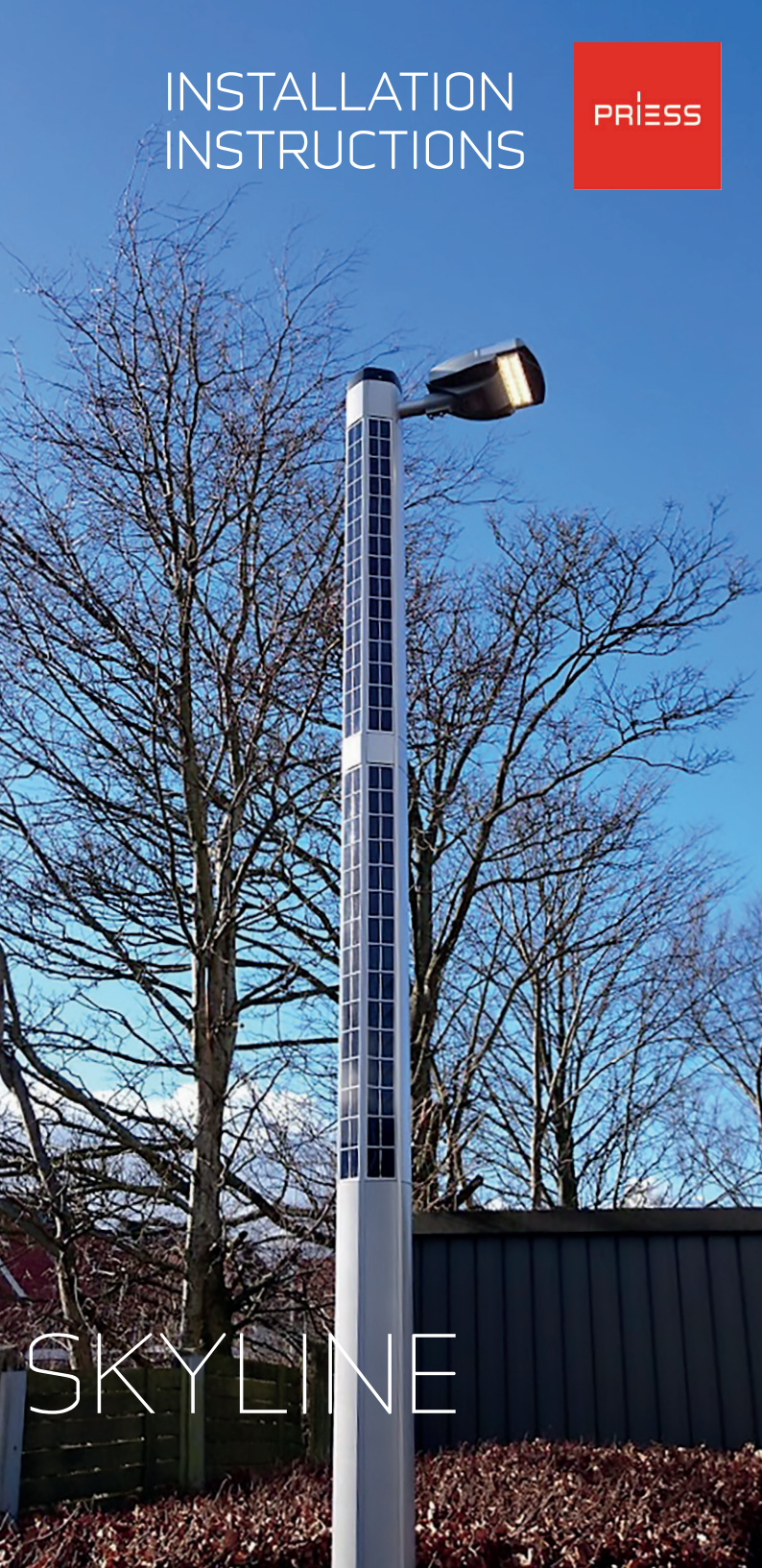
INSTALLATION INSTRUCTIONS

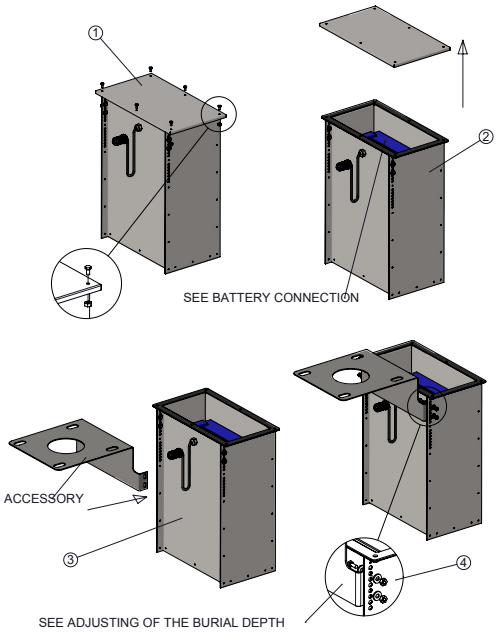
PRIESS



SKYLINE

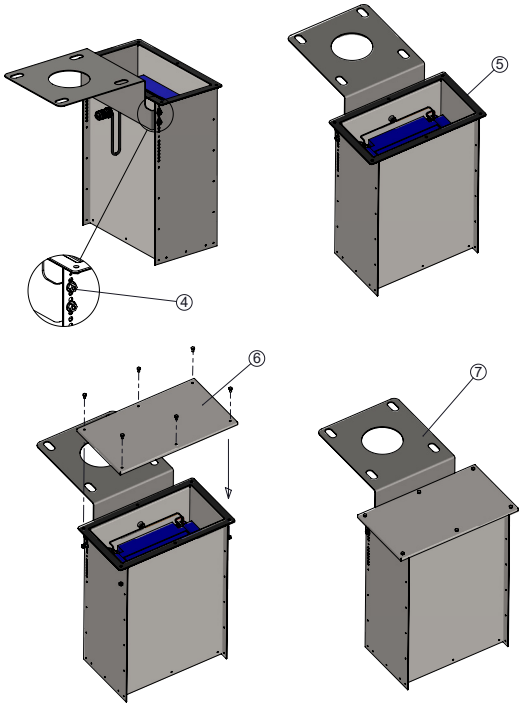
1. BATTERY BOX INSTALLATION

SADDLEBACK BATTERY BOX:
PREPARING FOR INSTALLATION ON CONCRETE
FOUNDATION



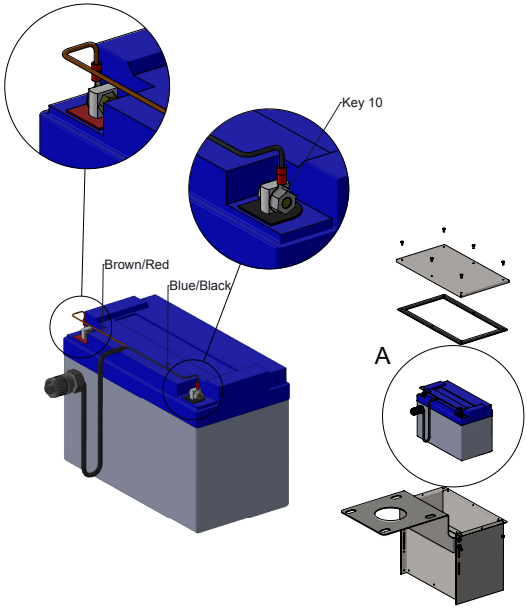
1. BATTERY BOX INSTALLATION

SADDLEBACK BATTERY BOX:
PREPARING FOR INSTALLATION ON CONCRETE FOUNDATION



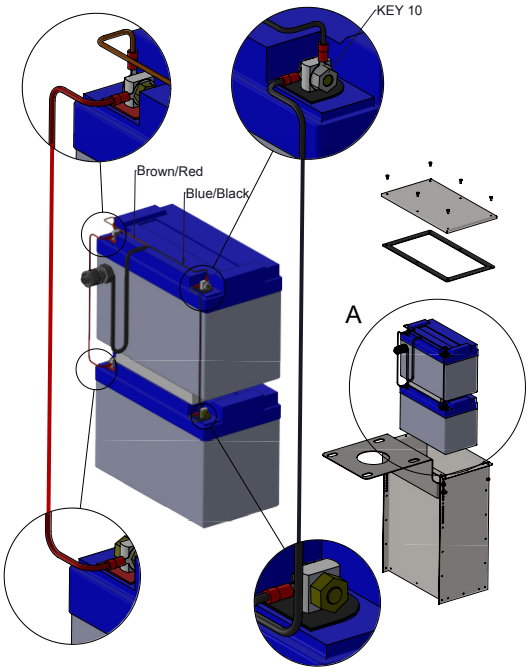
1. BATTERY BOX INSTALLATION

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



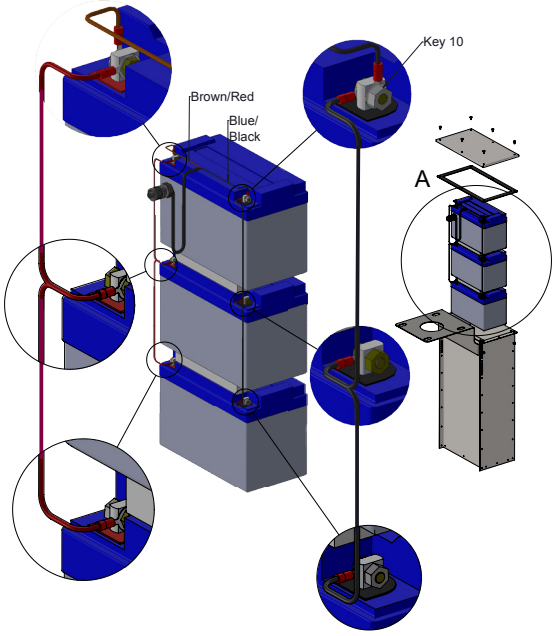
1. BATTERY BOX INSTALLATION

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



1. BATTERY BOX INSTALLATION

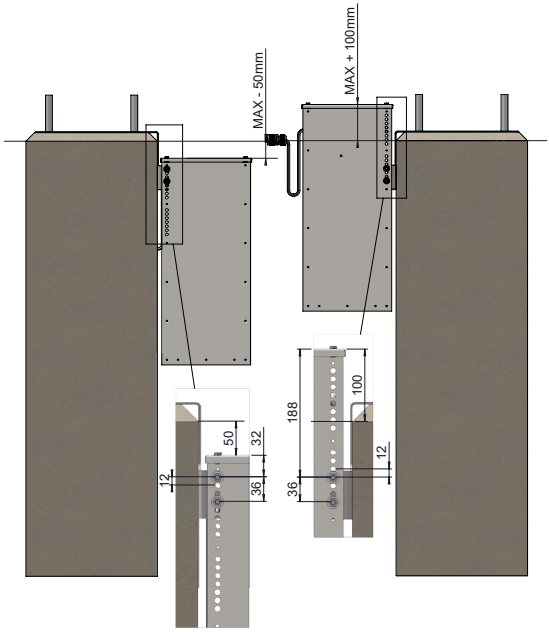
SADDLEBACK BATTERY BOX:
POS.2: BATTERY CONNECTION FOR 3 BATTERIES.



1. BATTERY BOX INSTALLATION

SADDLEBACK BATTERY BOX:

POS.4 : ADJUSTING THE BURIAL DEPTH



1. BATTERY BOX INSTALLATION INSTRUCTION

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 appropiate precautions.

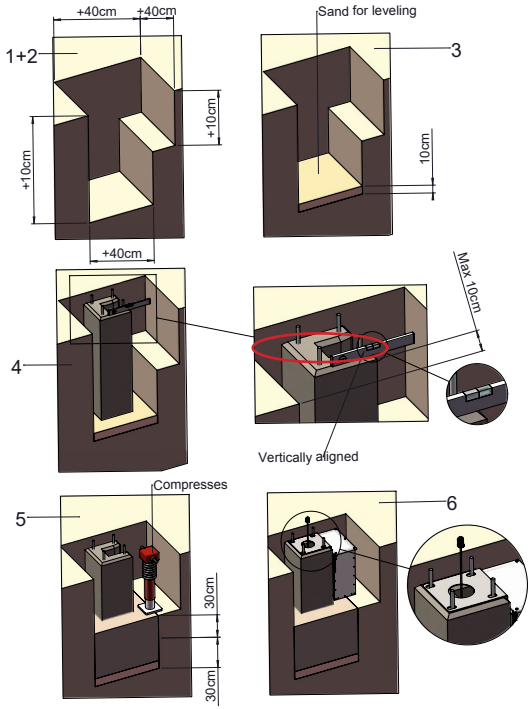
First of all disconnect and isolate the cables to avoid the risk of short circuit, which may result in sparks that occur.

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.

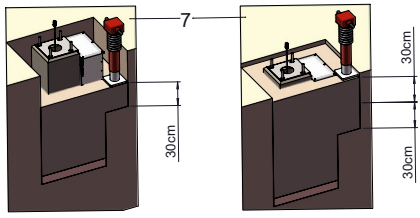
2. GROUNDING OF BATTERY FOUNDATION

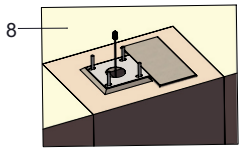
SADDLEBACK BATTERY BOX ON CONCRETE FOUNDATION



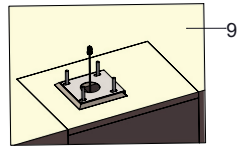
2. GROUNDING OF BATTERY FOUNDATION

SADDLEBACK BATTERY BOX ON CONCRETE FOUNDATION

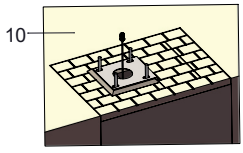




Loose tile on top of battery cover



Loose sand on top of battery cover



Stone paving top of battery cover

2. GROUNDING OF BATTERY FOUNDATION

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.

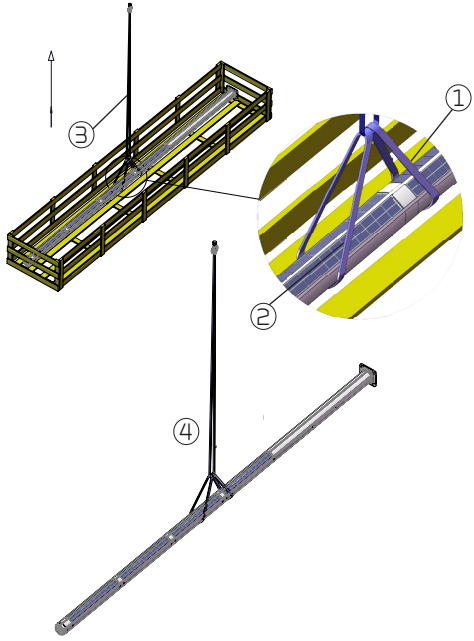
8. For easier access to the battery box, it is recommended to put a tile (approximately 30x60 cm) on top of the lid of the battery box, and then fill the rest of the hole up with loose sand or soil which is tamped lightly.

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.

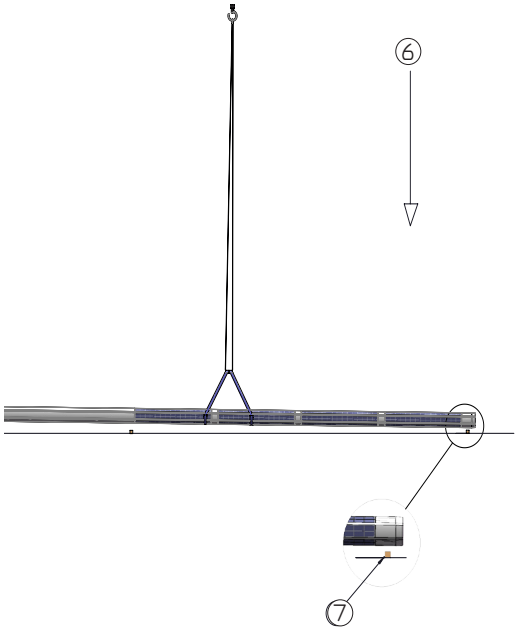
3. UNPACKING/HANDLING



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

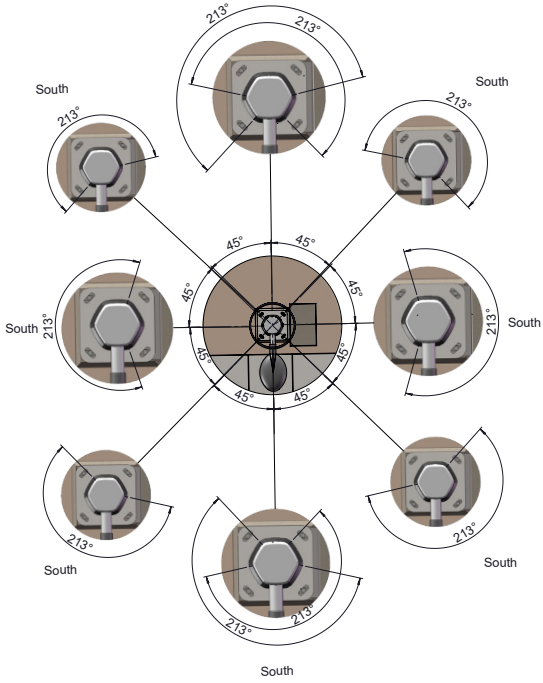


6. Carry the SKYLINE column to the installation site.

7. At the installation site, place wooden joists, trestles or similar underneath the SKYLINE 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.

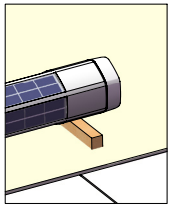
   (Make sure that the end of the flange on the SKYLINE column is positioned close to the battery foundation to ease installation).

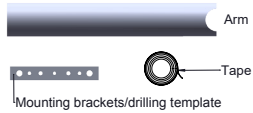
4. SKYLINE PLACEMENT

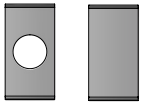


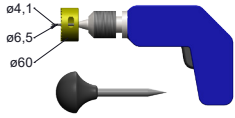
5. SKYLINE MOUNTING INSTRUCTION SINGLE ARM

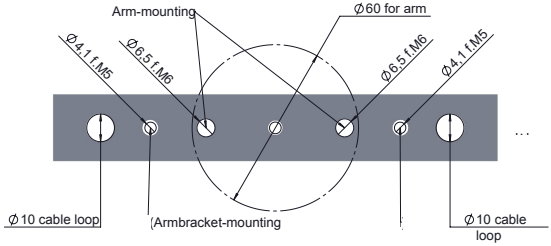
VARIOUS PARTS





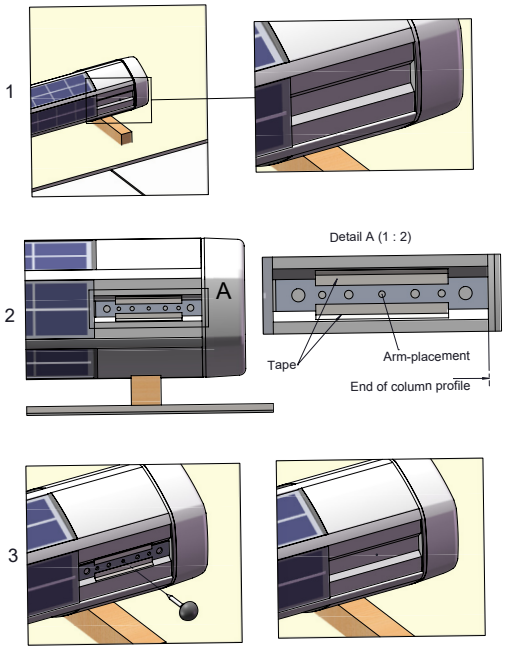






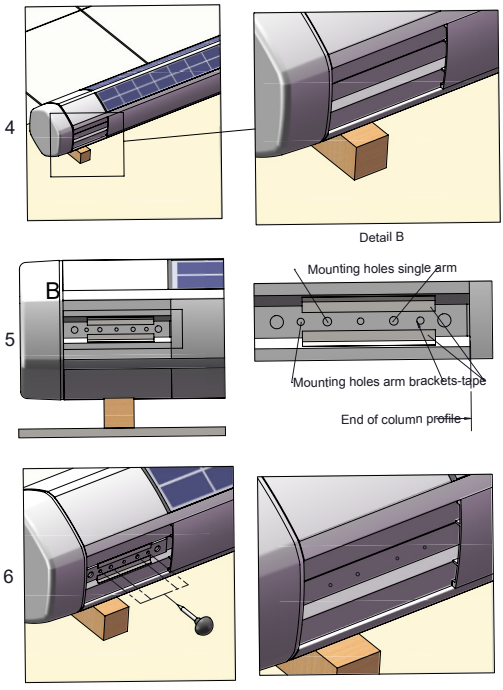
5. SKYLINE MOUNTING INSTRUCTION SINGLE ARM

PLACEMENT OF ARM



5. SKYLINE MOUNTING INSTRUCTION SINGLE ARM

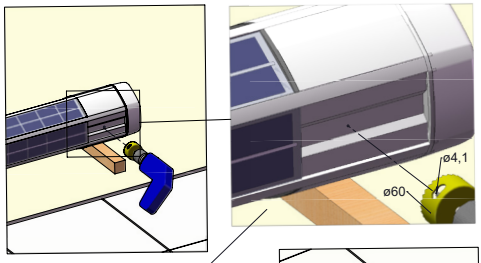
PLACEMENT OF ARM

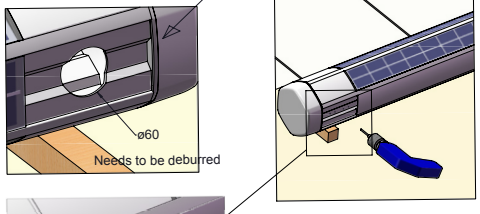


5. SKYLINE MOUNTING INSTRUCTION SINGLE ARM

DRILLING OF ARM

7





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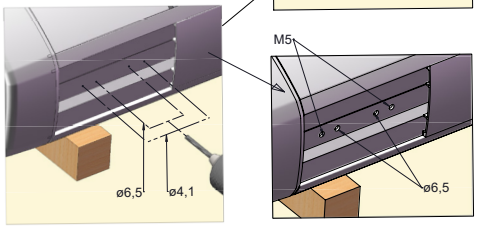
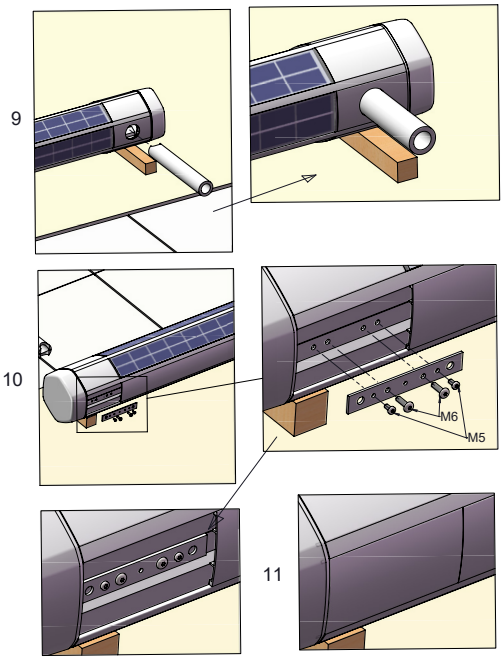


5. SKYLINE MOUNTING INSTRUCTION SINGLE ARM



5. SKYLINE MOUNTING INSTRUCTION SINGLE ARM

SKYLINE HAS THE POSSIBILITY FOR ARM PLACEMENTON ALL SIX SIDES BY MOVING THE COVER PROFILE FOR THE ARM TO THE DESIRED LOCATION.

1. Once the desired location for the arm has been determined the coverprofile might be disassembled in order to make the inner part of the column accessible.

2. Attach the supplied mounting bracket in such a manner that the top-side is aligned with the top-side of the column profile. Secure with tape if necessary.
(If there a predrilled ø60 hole for the arm proceed to pos.4)

3. Mark up the center-hole of the arm, possibly with an awl!

4. Go to the opposite side of the column and remove the cover profile if neccessary, in order to make the inner part of the column profile accessible for mark up of the mounting holes.
If there has already been drilled for the mounting holes for the arm (2xø6,5 holes), - then fit the arm (pos9) together with the mounting bracket to mark up the 2xø4,1 holes for M5 fixings.
(if all mounting holes are ready for installation proceed to pos.10).

5. Similar to pos. 2 attach the supplied mounting bracket in such a manner that the top-side is aligned with the top-side of the column profile. Secure with tape if necessary.

6. Mark up the center-hole of the arm, possibly with an awl.

7. Go the the arm-side and prepare the drill with a ø4,1 and a ø60 hole saw and drill up the mark for arm.

   Deburr the hole and fit the hole to the enclosed arm.

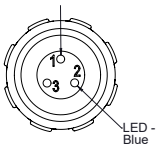
8. Proceed to the opposite fastening side of the column, prepare the drill with a ø6,5, drill up the two inner-marked mounting holes of the arm.
Prepare then the drill with a ø4,1, drill up th two marks for bracket-mounting with subsequent processing of the M5 thread.

9. Insert the supplied aluminium arm, so that the mounting holes in the arm fit with the drill monunting holes at the back of the column profile.

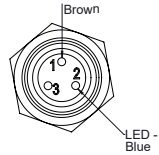
10. The supplied mounting brackets which were used as a template will be placed at the bottom of the column profile. Afterwards the two M6 screws will be mounted on the arm. Finally the mounting brackets are fastened to the arm with the two M5 screws and subsequently tightened.

11. Then mount the cover profile for completion. The arm is now ready for installation of luminaire.

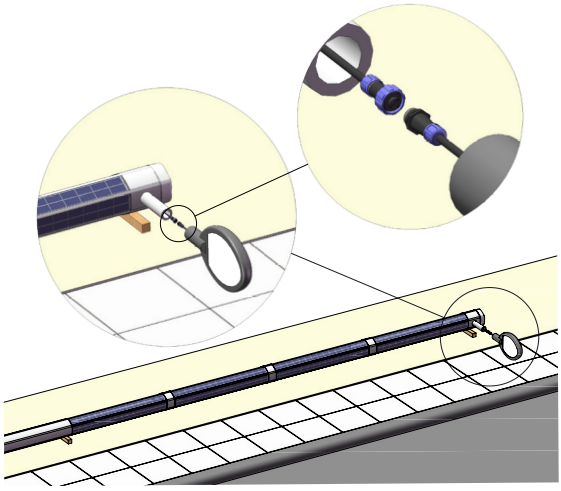
6. SKYLINE INSTALLATION OF LUMINAIRE



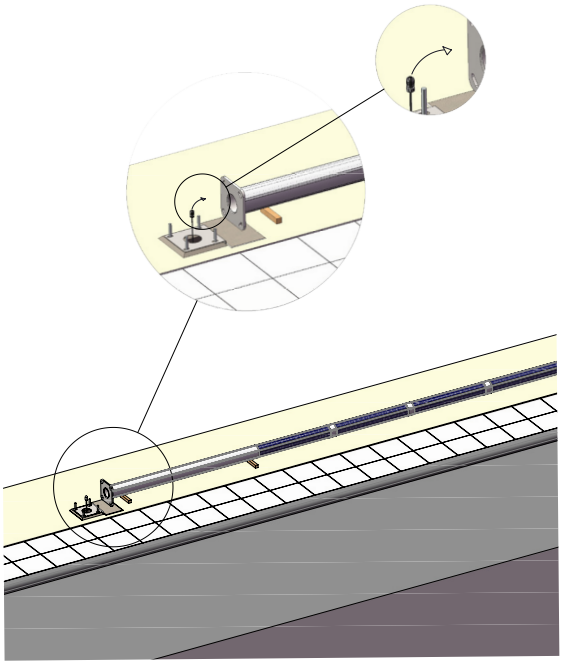
From column



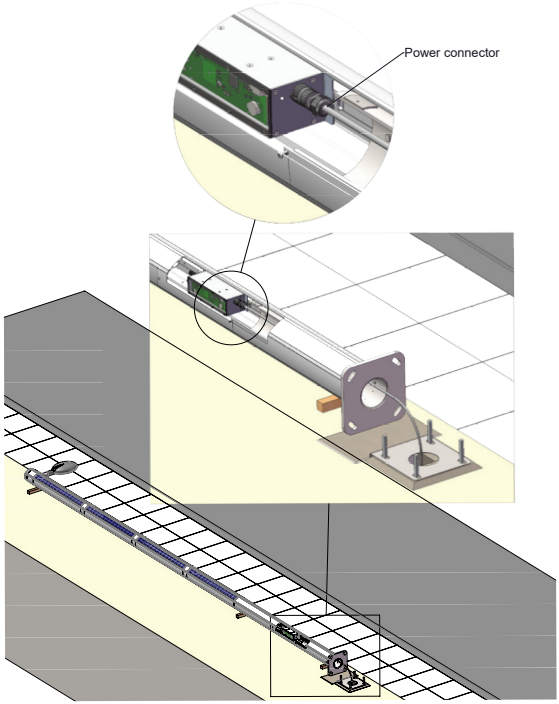
From luminaire



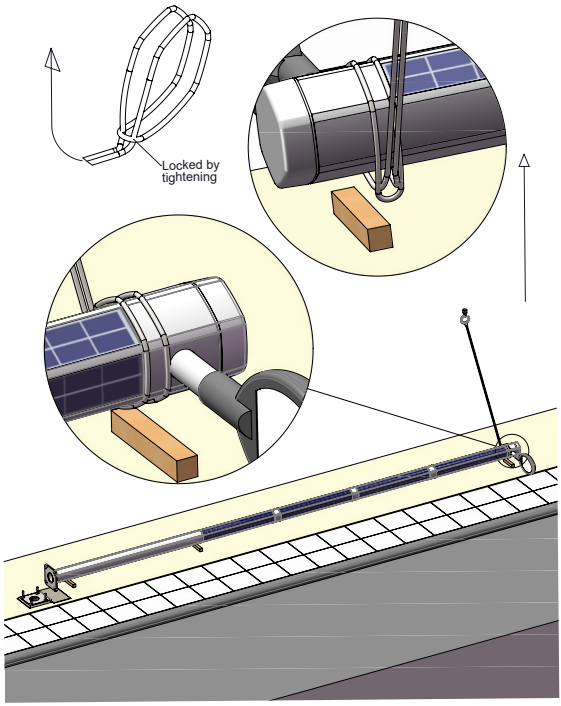
7. SKYLINE INSTALLATION FROM BATTERY FOUNDATION



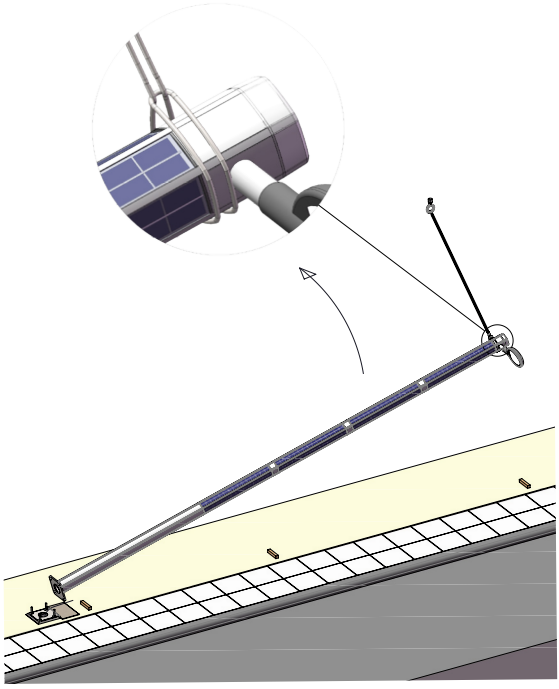
8. SKYLINE INSTALLATION FROM BATTERY BOX



9. SKYLINE INSTALLATION ON BATTERY FOUNDATION



9. SKYLINE INSTALLATION ON BATTERY FOUNDATION



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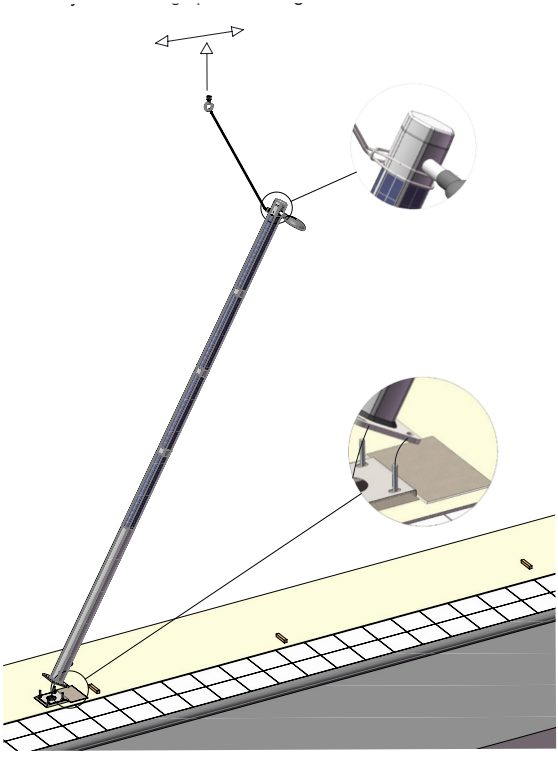
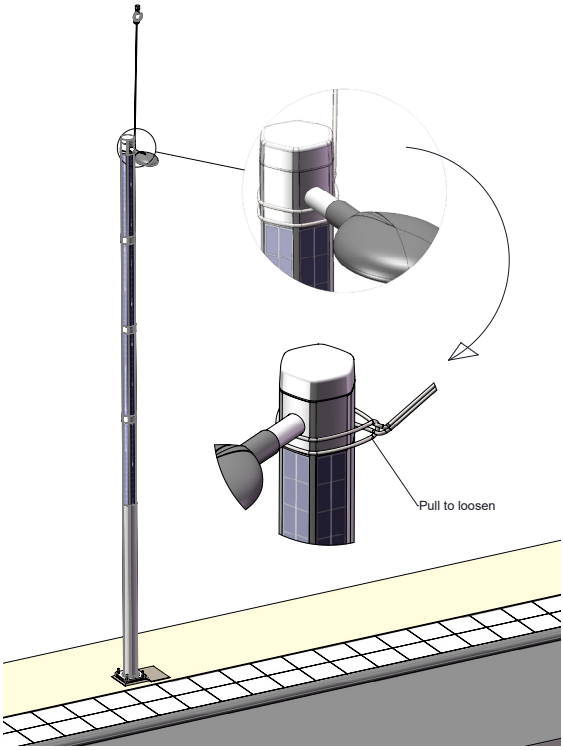
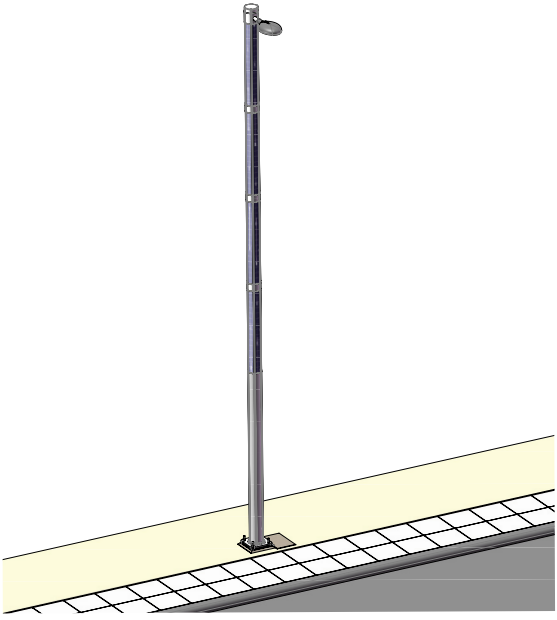


9. SKYLINE INSTALLATION ON BATTERY FOUNDATION

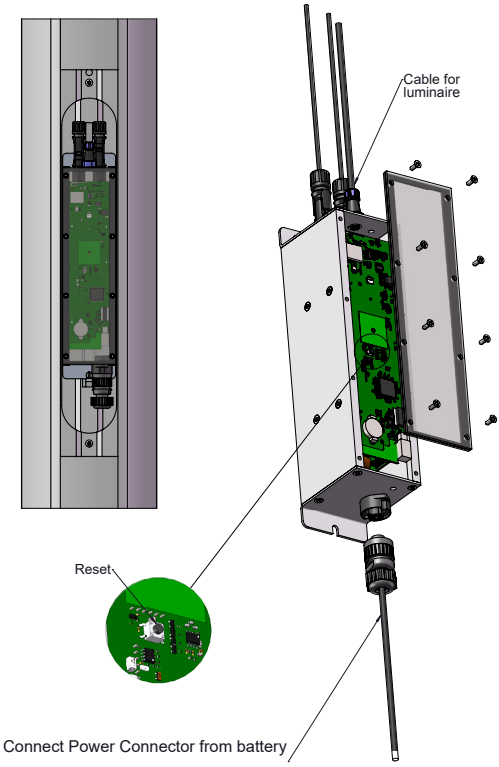


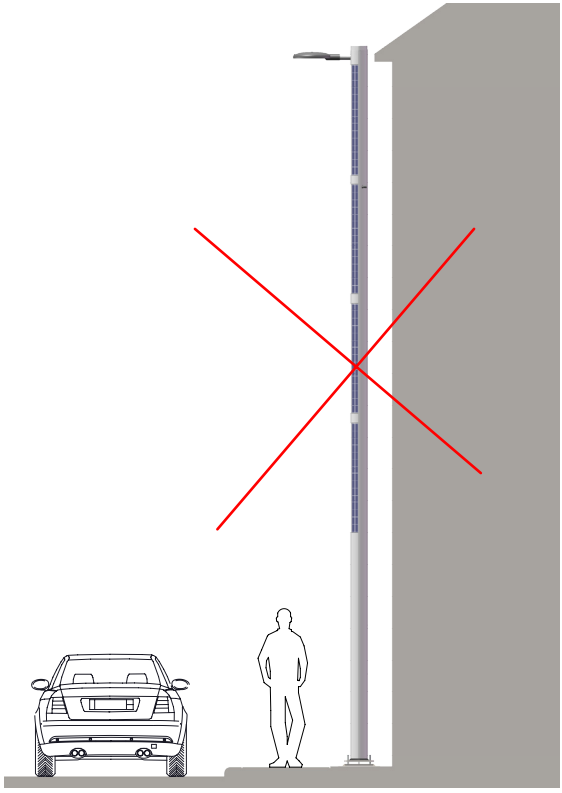
10. SKYLINE INSTALLATION FINNISH

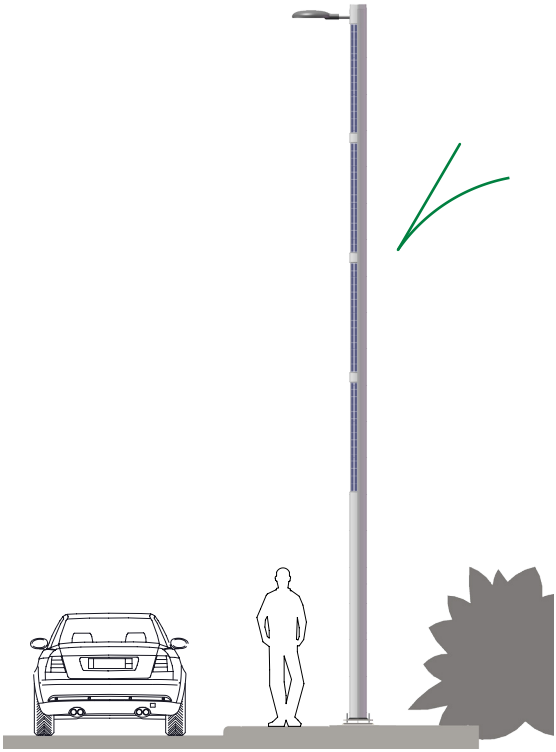


10. SKYLINE INSTALLATION FINNISH

11. SKYLINE LCC CONNECTION







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