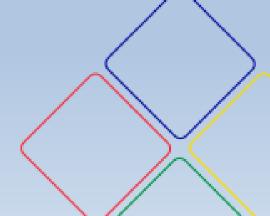
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Installing Lucoline





STEP 1 Planning

Building Layout



Building Layout for Lucoline Calculating sections

2 sections of 2950 mm:

2950/2370 = 1.25 : 1 section 2370 and 1 section 1186 cut to approx 550.

1 section of 20000 mm:

20000/2370 = 8.44 : 8 sections 2370 and 1 section 1186 cut to approx 1042.

Totals:

10 x 2370 sections

3 x 1186 sections, but maybe 2 as cut piece can be reused if cut < 550.





2950 mm

Totals:

10 x 2370 sections 3 x 1186 sections

3 sides need to be cut so 3 pieces L-x-END endcaps needed plus 1 tube glue. 1 outside corner so 1 piece L-x-CRN-OUT is needed.

10 L-x-JNT joint covers are needed to cover the gap between sections.

2950 mm





Building Layout for Lucoline Calculating Power

Total 25.9 m x 5 W/m = 129.5 W:

1 x PP24150 power supply (max recommended load 90% = 135 W).

The L-CAB-Y-1.5 cable can drive 2 x 4 2370 sections, that means powering from the middle 4 sections left and 4 right. 96 W per cable.

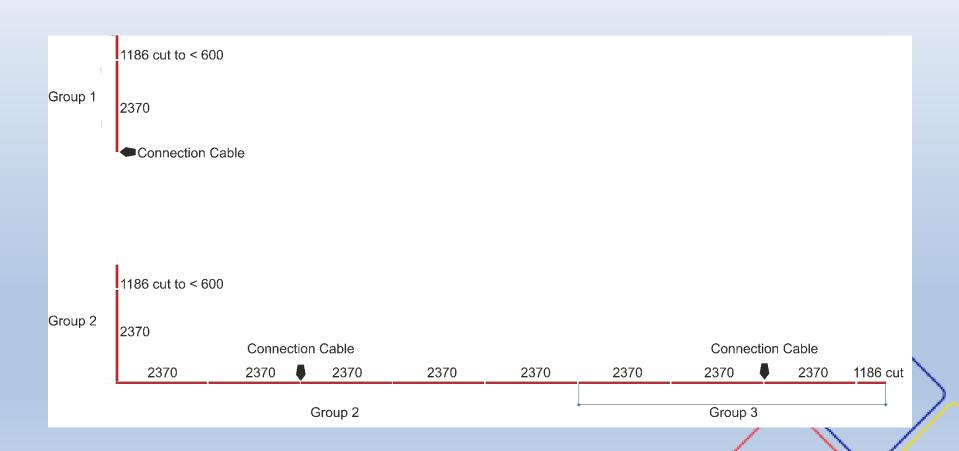
In this case we go for a separate cable for the isolated 2950 section and that leaves 12 sections for which we need 2 cables.

So a total of 3 cables are needed. All connected to the power supply. Additional cable (2.5 mm2) will be needed and waterproof connectors, Skotchlok 314 gel filled or similar.

20000 mm

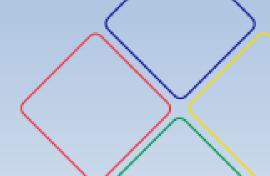


Lucoline Layout





Step 2 Installing





Prepare installation



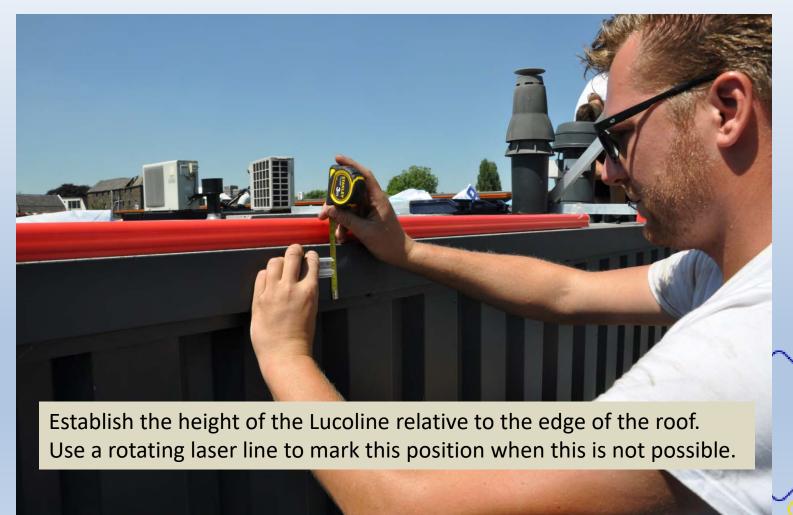


Establish position fixed clip





Establish position Lucoline



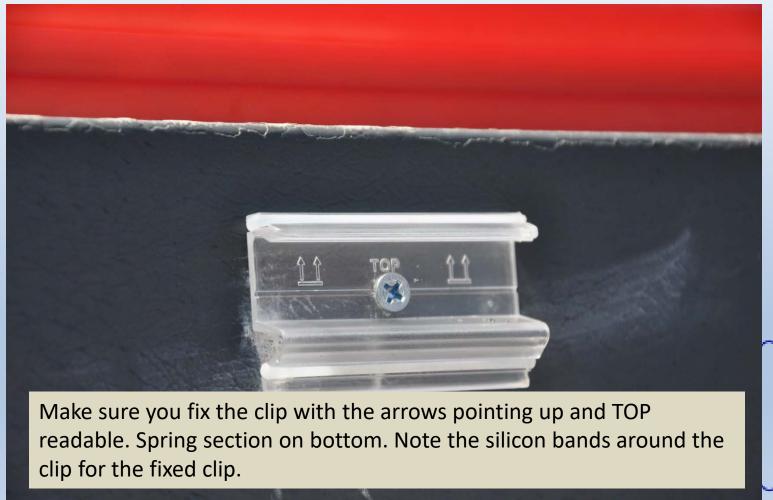


Fix clip



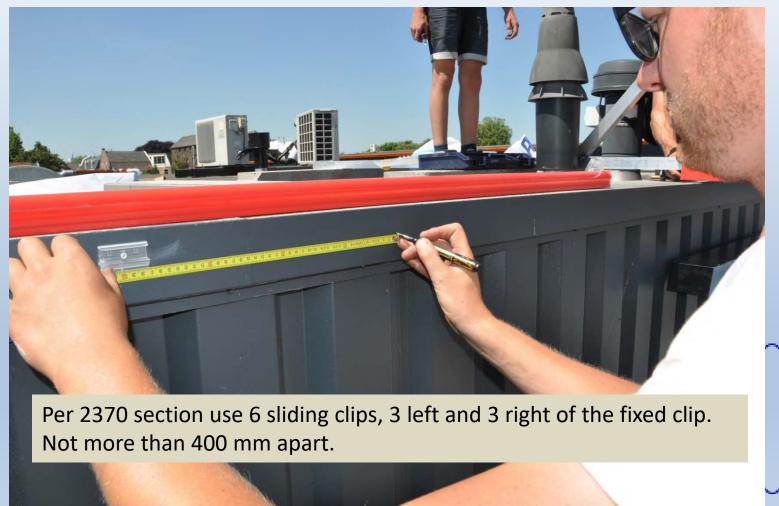


Fix clip right side up





Position sliding clips





Install sliding clips

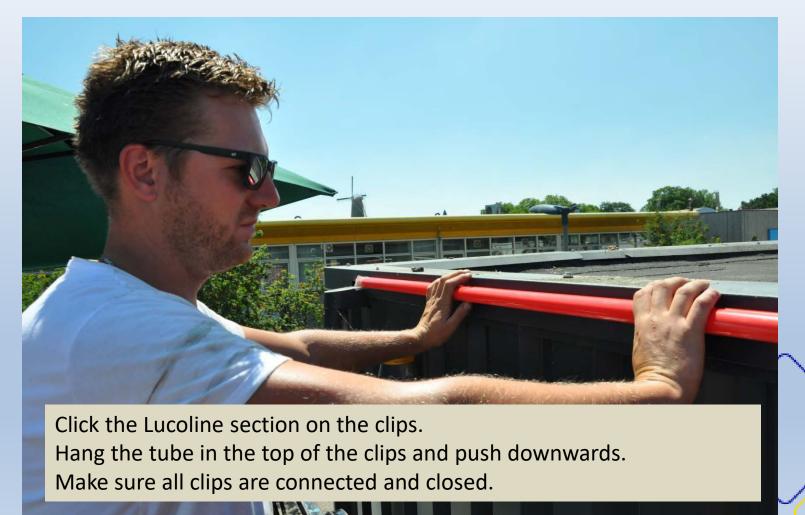


Per 2370 section use 6 sliding clips, 3 left and 3 right of the fixed clip. Not more than 400 mm apart.

Sliding clips (L-CLIP-S) do not have silicon rubber.

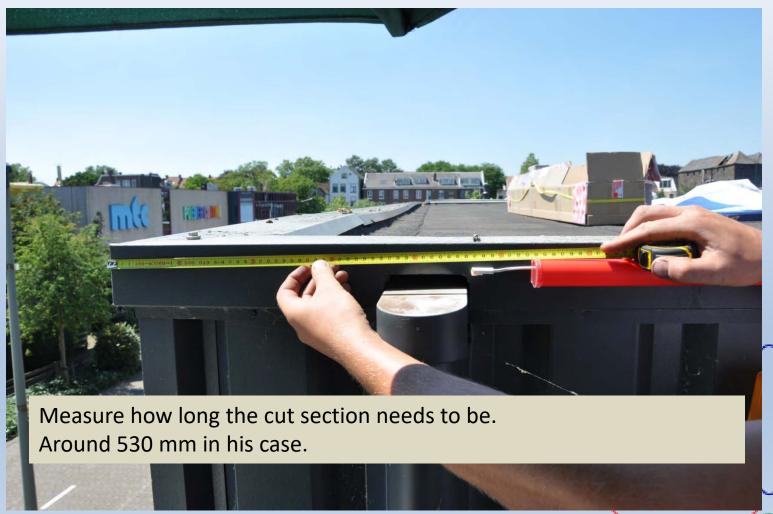


Click Lucoline on clips



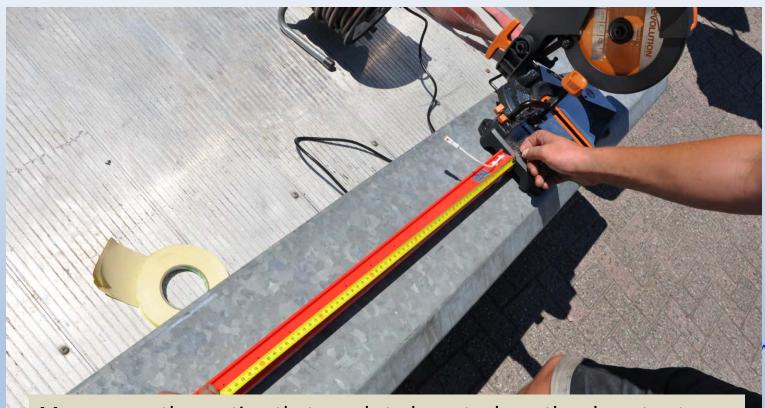


Measure cut section





Indentify closest cut mark



Measure on the section that needs to be cut where the closest cut mark is. Make sure you measure from the side with the connector that fits the connector of the last full section!



Mark closest cut mark





Cut at cutmark



Cut at cut mark.

Use saw with fine blade suitable for aluminium cutting to get a clean cut.



Clean inside tube





Sand edges tube and PCB





Sand edges tube and PCB





Push PCB back in tube





Fill edge of endcap with glue





Install endcap on tube





Install endcap on tube

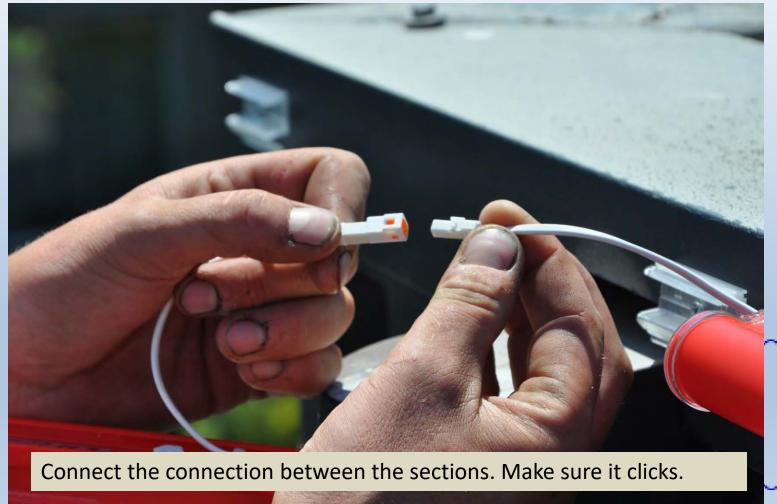




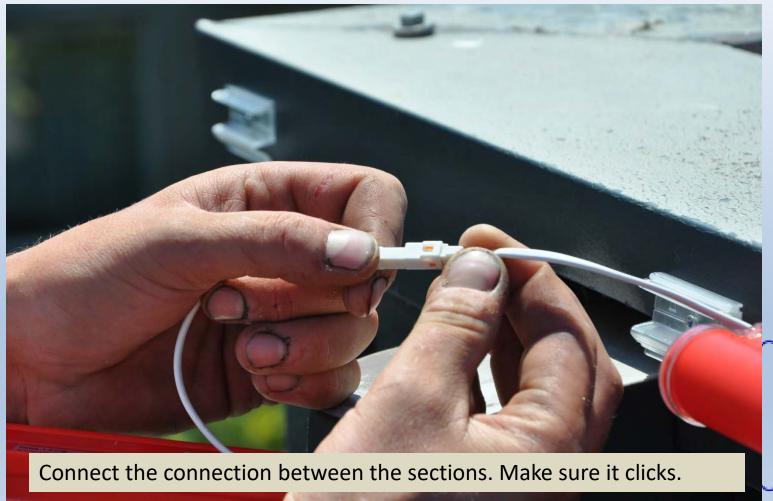
Install cut section

















Gap between section





Install joint cover

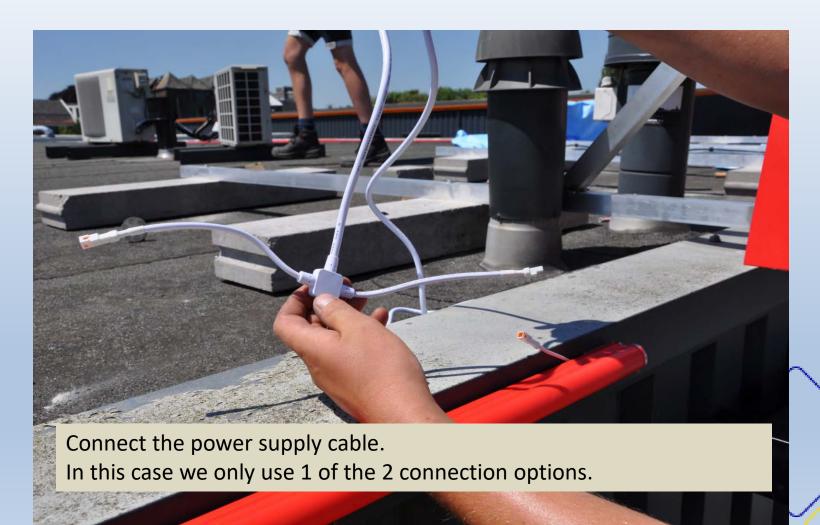




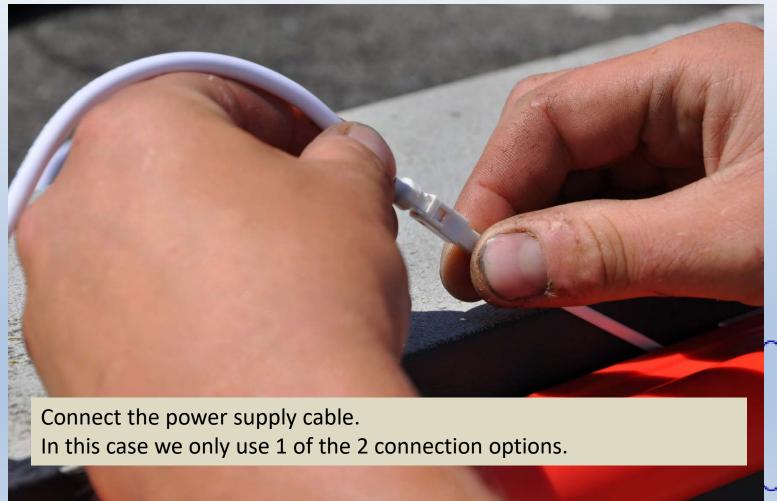
Install joint cover











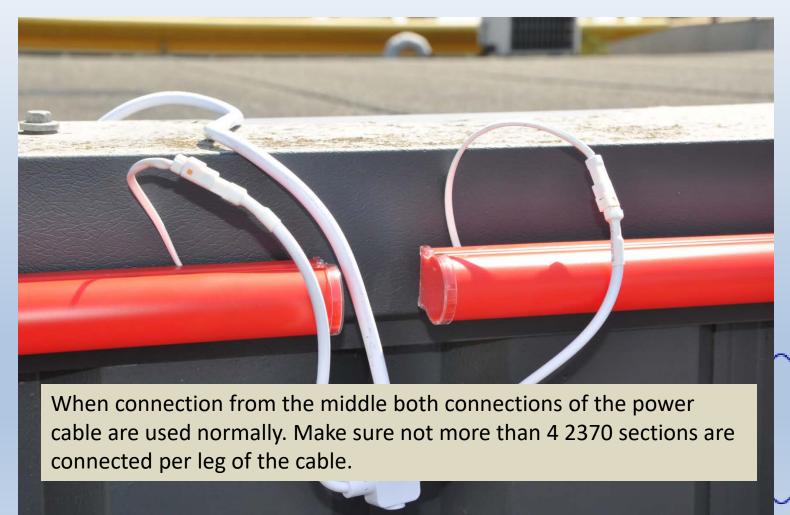


Blanking connector





Electrical connection 2 sides





Minimizing waste





Minimizing waste





Installing corner



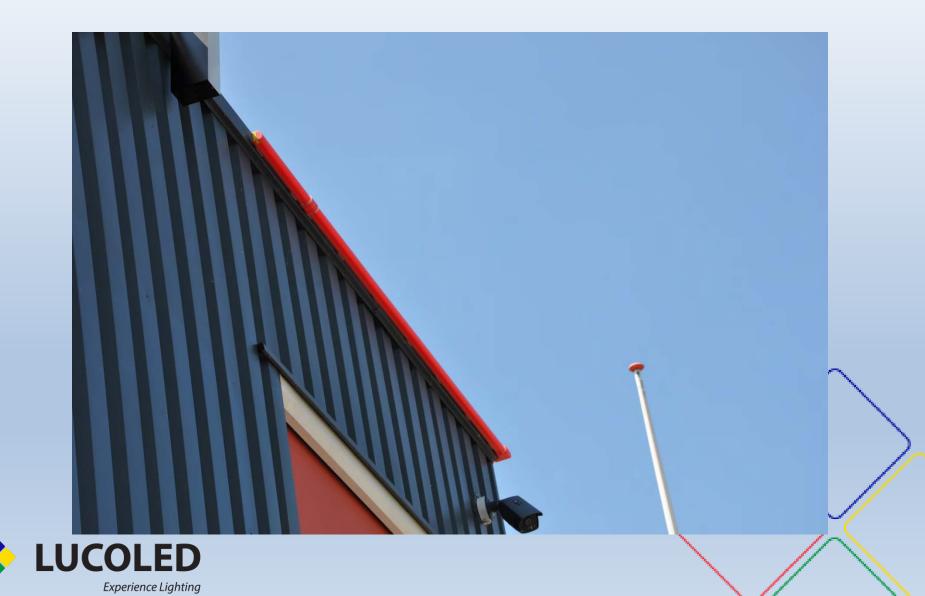


Installing corner





Finished install

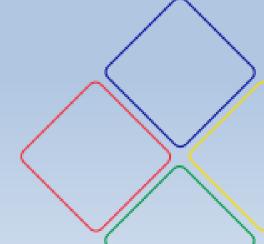


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