

## The lightweight aluminium profile useful for semi-integrated installations with reduced spacing between hooks



Pitched roof



Detail: Profile Solar-light

### VERSIONS

- aluminium alloy AW 6063 T6 according to EN 755-2:2013

### ADVANTAGES

- Economic: the lightweight aluminium profile is useful for pitched roof PV installations.
- Easy and fast: quick installation in the lower and lateral channel through screw SKS M 8 or T-head screw RHS 8 x 20 and in the upper channel through channel nut FCN AL and joint bracket MW (for cross joint).
- No scrap: the optimized length reduces waste e facilitates handling on site.
- Maximum allowable spacing 1000 mm, depending on snow and wind loads calculated according current National Regulations.

### APPLICATIONS

#### Useful for:

#### Pitched roof System with:

- Hook GT 130 and GT 150 (5 mm)
- Hook GTR
- Hook GTT
- Hook GTP
- Hook GTPR

#### Corrugated roof System with:

- Stud screw STSR
- Stud screw STSI

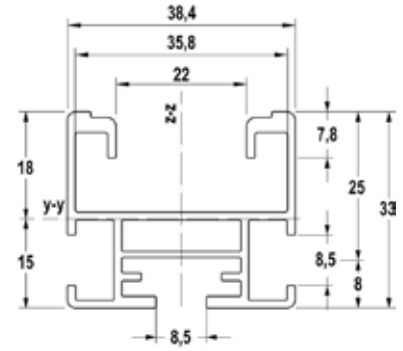
### FUNCTIONING

- Hooks spacing has to be evaluated depending on snow and wind loads for installation area, according National Regulations.
- Fasten the profile on the hooks using lower channel (with screw SKS M 8 or T-head screw RHS) or the lateral channels (with joint bracket MW and screw SKS M 8 or T-head screw RHS).
- Use a couple of joints CPN AL on the lateral channels to link profiles Solar-light. The connection is completely closed when the joints central emboss is in contact with the profiles.
- ⚠ The maximum recommended length of a PV panels row is 15 m to prevent too large thermal expansion.
- ⚠ If the connection is on the side spans, the joints CPN AL have to be fixed with self drilling screws.

## TECHNICAL DATA



Profile **Solar-light**



Item	Art.-No.	Weight	Profile length	Profile cross section	Moment of inertia y-axis	Moment of inertia z-axis	Section modulus y-axis	Section modulus z-axis	Sales unit [pcs]	GTIN (EAN code)
		W [kg/m]	l [mm]	S [mm <sup>2</sup> ]	I <sub>y</sub> [cm <sup>4</sup> ]	I <sub>z</sub> [cm <sup>4</sup> ]	W <sub>y</sub> [cm <sup>3</sup> ]	W <sub>z</sub> [cm <sup>3</sup> ]		
<b>Solar-Light 3,15 mt</b>	<b>518954</b>	0,724	3150	268	3,07	4,76	1,70	2,48	1	8001132027585

## ACCESSORIES



Joint **CPN AL**



Self drilling screw **3,5 x 9,5 mm A2**



Self drilling screw **4,8 x 32 mm A2 HEX head**

Item	Art.-No.	Weight	Length	Sales unit [pcs]	GTIN (EAN code)
		W [g]	l [mm]		
<b>CPN AL</b>	<b>514890</b>	80	183	12	8001132024362
<b>Self-drilling screw 3,5x9,5 mm A2</b>	<b>571209</b>	-	9,5	100	8001132712092
<b>Self-drilling screw 4,8x32 mm A2 HEX head</b>	<b>071285</b>	-	32	100	8001132712856

## ACCESSORIES



Adjustable support bracket **FV PS**

Item	Art.-No.	Weight	Sales unit [pcs]	GTIN (EAN code)
		W [g]		
<b>FV PS</b>	<b>071877</b>	100	4	8001132718773