

## BauderSOLAR G Light Biosolar photovoltaic mounting system

19/05/2026

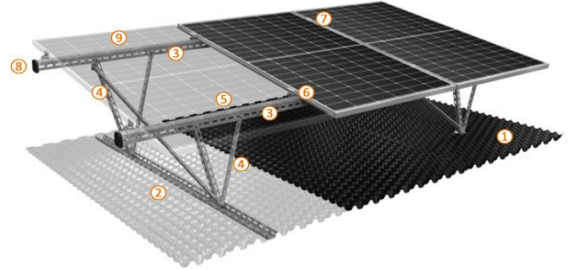
**Product description** BauderSOLAR G LIGHT is an integrated solar PV mounting system specifically for Bauder biodiverse or extensive green roofs and BauderBLUE STORMsub blue roofs.

**Intended Use** BauderSOLAR G LIGHT is designed for applications where both a green roof and solar PV solution are required together to meet project requirements. The green roof substrate and vegetation provide the ballast mechanism for the entire solution which removes the need for additional ballast or mechanical fixings to secure the system to the roof. This installation method maximises the area available for vegetation whilst the raised profile of the panels allows for strong plant growth and safe maintenance access.

Bauder Biosolar should be used in conjunction with our BauderFlora 3 seedmix which contains both drought and shade tolerant herb and wildflower species and is suitable for roofs with a fall of up to 5°

**Article Number** 77731016

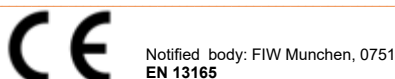
**Website link** <https://www.bauder.co.uk/products/baudersolar-g-light>



Characteristic	Test method	Unit	Value
<b>Weight</b>	EN 1848-1	Kg/m <sup>2</sup>	176kg/m <sup>2</sup> *
*Approximate system weight. Includes weight of Bauder BTRS roof system with 160mm PIR insulation and saturated Biodiverse green roof, BauderSOLAR G LIGHT mounting system and solar module, based on a substrate depth of 100mm			

No.	Part	Unit	Value
1	BauderSOLAR DSE 40 Anchor Board Or BauderSOLAR RE 40 Anchor Board		Pre-cored Bauder DSE 40 Drainage Board
	Material		HDPE, black
	Weight (Dry)	Kg/m <sup>2</sup>	1.8
	Material nominal thickness	mm	1.8
	Depth	mm	40
	Water storage capacity	l/m <sup>2</sup>	13.5
	Filling capacity (for mineral drain etc)	l/m <sup>2</sup>	21.0
	Support surface underside	%	42
	Compressive strength	Kpa	80
	Dimensions	mm	1040 x 2030
	Ballast	Kg/m <sup>2</sup>	BS EN 1991 Eurocode 1 + BS EN 1991-1-1/ related load calculation for wind protection
<b>Profile rails</b>			
2	BauderSOLAR BS-4 BauderSOLAR BS-2 Base rail		
	Material		Powder coated steel – FVZS420GD+ZM310AC (Zinc Magnesium)
	Dimensions (L x W x H)	mm	3994 (BS-4) or 1994 (BS-2) x 36 x 72.2; Thickness 3
	Weight	Kg/unit	3.06/6.52
3	BauderSOLAR MTR Module carrier rail		

Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as an article, therefore this product does not have a requirement for a Safety Data Sheet.



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# Technical data sheet

	Material		Powder coated steel – FVZS420GD+ZM310AC (Zinc Magnesium)
	Weight	kg/unit	15.59
	Dimensions	mm	4700 x 61.9 x 47.5; Thickness 3
4	<b>BauderSOLAR VT 745</b> <b>BauderSOLAR VT 545</b> V-beams		
	Material		L- Profiles: Powder coated steel FVZS250GD+ZM310AC (Zinc-Magnesium), including Adapter + Screw
	Dimensions (Pre-assembled L x W x H)		BauderSOLAR VT 745 = 749 x 399 x 54 BauderSOLAR VT 545 = 550 x 343 x 54 Thickness 2
	Weight	kg	Long -1.50 Short - 1.15
5	<b>BauderSOLAR DLE</b> Diagonal support		
	Material		Powder coated steel - S250GD+ Z275 (Zinc)
	Dimensions (L x W x H)		1190 x 30 x 15; Thickness 1.5
	Weight	kg	0.95
<b>Accessories</b>			
6 & 7	<b>BauderSOLAR MKL (mid)</b> <b>BauderSOLAR EKL (End)</b> Module Clamp Set	Piece	Module clamping hooks with thread: Counterholder: Aluminium (Zinc magnesium coating) Screw: M8x45mm stainless steel Clamp: middle and end clamp aluminium (zincmagnelis- coating) pre-assembled
8	<b>BauderSOLAR EK-L (left)</b> <b>BauderSOLAR EK-R (right)</b> Module carrier rail end caps	Piece	Polypropylene
9	<b>BauderSOLAR MTRV</b>	Piece	Powder coated steel - FVZS420GD+ZM310AC (Zinc Magnesium)

## Normative references

For undated references, the latest edition of the referenced document (including any amendments) applies.

## Storage/ Transport

The product should be stored dry, protected against weathering, and must not be exposed to temperatures exceeding 35°C.

The products must not be exposed to a direct naked flame or other ignition sources, or to solvents or other chemicals.

Ensure the product(s) are clear of buildings and any other storage areas.

Where there are storage containers on site, these may be suitable for storing products.

## Certification and environmental information

ISO 9001:2015 Quality Management  
Certificates EN1271 (UK) and 70499/03-15\_e (Germany).

ISO 14001:2015 Environmental Management  
Certificates A10552 (UK) and 70499/03-15\_d (Germany).

ISO 50001 :2011 Energy Management  
Certificate 70499/03-15\_c (Germany).

## Installation guidance

BauderSOLAR G LIGHT is designed to be installed by a Bauder approved and trained contractor only. Please see BauderSOLAR G LIGHT installation guidelines for a full breakdown of the system installation methodology.

The number of mounts and fixings required will vary from project to project. Please contact Bauder for a project specific technical report for further information. Windload and snowload calculations will also be provided on a project specific basis and will determine ballast requirements and substrate depths.

BauderSOLAR G LIGHT can be installed on slopes of up to 5° and is intended to be used with Bauder Biodiverse and substrate based extensive green roofs only.

Specific test standards and results are stated in Bauder product datasheets and our specification service should be used to confirm suitability to each individual project.

Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as an article, therefore this product does not have a requirement for a Safety Data Sheet.



Notified body: FIW Munchen, 0751  
EN 13165