

Lighting Global Standardized Specifications Book

Manufacturer: Rahimafrooz Renewable Energy Limited

Component Family Name: SUNFLO Family

**Date of Standardized
Specifications Book Expiration:** March 31, 2021

Verify Online: <http://www.lightingglobal.org/products/rz-sffamily>

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This Lighting Global Standardized Specifications Book presents a **component-level Standardized Specifications Sheet** listing the available components in the product family by component type, each individual component's performance rating, and performance results for each component tested according to the Edition 4 of IEC 62257-9-5. Following the component-level Standardized Specifications Sheet is a **list of the systems** covered by this Specifications Book that use combinations of these components.

NOTICE: Systems or kits developed using components from the component family will each perform differently and have not all been evaluated on a system-level basis. All systems listed in this Specifications Book are regarded to have met the applicable Lighting Global Quality Standards.

Quality Standards Framework Version: 2019

Revision: 2019.03

Component-Level Standardized Specifications Sheet

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SUNFLO Family

Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
Main Unit with 1500 mAh LFP battery	1500	1400
Main Unit with 3000 mAh LFP battery	3000	3400
Main Unit with 3000 mAh LFP battery, integrated light and radio	3000	3300

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
5 W PV Module	5	4.9
8 W PV Module	8	7.9
10 W PV Module	10	10

Light Sources

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	High	Low	High	Low	High	Low
1 W Lamp	--	--	95	--	130	--
2 W Lamp	175	95	170	93	120	140
Integrated Lamp	160	35	192	--	85	--

Appliances

Name / Model Number	Description	Rated Power (W)	Measured Power (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Radio	Radio built-in to the 3000 mAh main unit	--	0.64	integrated	integrated

NOTICE: As indicated, not all components listed on this page were tested according to Edition 4 of IEC 62257-9-5 . However, based on the satisfactory performance of the tested components in the family, the components that were not tested are regarded to have passed the applicable Lighting Global Quality Standards. In addition, all tested components passed an internal inspection, the full array of applicable QTM durability tests, as well as ingress protection testing (where applicable).

List of Covered Systems

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SUNFLO Family

System Name	Number of each component included in each system							
	1 W lamp	2 W Lamp	5 W PV Module	8 W PV Module	10 W PV Module	Main Unit w/ 1500 mAh battery	Main unit w/ 3000 mAh battery	Main unit w/ 3000 mAh battery, integrated light and radio
SF-P0830**		2		1			1	
SF-P1030**	3				1			1
SF-P0515	2		1			1		

**Tested as full systems. Individual SSS available on Lighting Global website.

NOTICE:

Only the SF-P0830 and SF-P1030 were fully tested as systems according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the SF-P0830 and the SF-P1030 at www.lightingglobal.org/products. Systems that were not tested, but that were developed using components from the component family will perform differently than the system(s) shown in the individual system-level SSS. All systems listed above are regarded to have met the applicable Lighting Global Quality Standards.

Unless otherwise noted, the following information applies to all listed systems and components:

Warranty Information

Two year warranty on all kits and components