

Lighting Global Standardized Specifications Book

Manufacturer: Total

Component Family Name: Home Sunshine Family

**Date of Standardized
Specifications Book Expiration:** October 31, 2020

Verify Online: <http://www.lightingglobal.org/products/to-hsfamily>

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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 passed the applicable Lighting Global Quality Standards.

Quality Standards Framework Version: 2018

Revision: 2019.7

Component-Level Standardized Specifications Sheet

Total

Home Sunshine Family

Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
3.7 V/4000mAh (Lithium Ion)	4000	4100
3.7 V/4400mAh (Lithium Ion)	4400	--
3.7 V/6000mAh (Lithium Ion)	6000	--
3.7 V/8100mAh (Lithium Ion)	8100	8100

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
3 W PV Module	3	2.9
5 W PV Module	5	--
8 W PV Module	6	--
10 W PV Module	9	9.5

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	High	High	High
Light Bulb	100	120	120
Tube Light	200	230	120
Torch	190	170	59

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Torch TK002	Portable torch with internal battery. Charges via provided charging cable.	--	--	2000	1900
Radio TK002	Portable radio with internal battery, charges via provided charging cable.	--	--	1000	1000

NOTICE: As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in 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).

*Light points and appliances may perform differently when used with different systems.

List of Covered Systems

Total

Home Sunshine Family

System Name	Number of each component included in each system											
	Light Bulb	Tube Light	3 W PV Module	5 W PV Module	8 W PV Module	10 W PV Module	3.7 V/4000mAh (Lithium Ion)	3.7 V/4400mAh (Lithium Ion)	3.7 V/6000mAh (Lithium Ion)	3.7 V/8100mAh (Lithium Ion)	Torch TK002	Radio TK002
Home Sunshine**	2	1				1				1	1	1
Home Sunshine Lite	2			1				1				
Home Sunshine TK002-03-01	2		1				1					
Home Sunshine TK002-03-02	2		1				1			1		
Home Sunshine TK002-03-03	2		1				1					1
Home Sunshine TK002-03-04	1	1	1				1					
Home Sunshine TK002-05-01	2			1			1					
Home Sunshine TK002-05-02	2			1			1					1
Home Sunshine TK002-05-03	2			1			1				1	
Home Sunshine TK002-05-04	1	1		1			1					
Home Sunshine TK002-05-05	2			1					1			
Home Sunshine TK002-05-06	2			1					1			1
Home Sunshine TK002-05-07	2			1					1		1	
Home Sunshine TK002-05-08	2			1					1		1	1
Home Sunshine TK002-05-09	1	1		1					1			
Home Sunshine TK002-05-10	2	1		1					1			
Home Sunshine TK002-05-11	2	1		1					1		1	
Home Sunshine TK002-05-12	2	1		1					1			1
Home Sunshine TK002-05-13		2		1					1			
Home Sunshine TK002-05-14	1	2		1					1			
Home Sunshine TK002-05-15	3			1					1			
Home Sunshine TK002-05-16	3			1					1		1	
Home Sunshine TK002-05-17	3			1					1			1
Home Sunshine TK002-08-01	2				1				1			
Home Sunshine TK002-08-02	2				1				1			1
Home Sunshine TK002-08-03	2				1				1		1	
Home Sunshine TK002-08-04	2				1				1		1	1
Home Sunshine TK002-08-05	1	1			1				1			
Home Sunshine TK002-08-06	2	1			1				1			
Home Sunshine TK002-08-07	2	1			1				1		1	

Home Sunshine TK002-08-08	2	1			1			1			1
Home Sunshine TK002-08-09		2			1			1			
Home Sunshine TK002-08-10	1	2			1			1			
Home Sunshine TK002-08-11	3				1			1			
Home Sunshine TK002-08-12	3				1			1		1	
Home Sunshine TK002-08-13	3				1			1			1
Home Sunshine TK002-08-14	2				1				1		
Home Sunshine TK002-08-15	2				1				1		1
Home Sunshine TK002-08-16	2				1				1	1	
Home Sunshine TK002-08-17	2				1				1	1	1
Home Sunshine TK002-08-18	1	1			1				1		
Home Sunshine TK002-08-19	2	1			1				1		
Home Sunshine TK002-08-20	2	1			1				1	1	
Home Sunshine TK002-08-21	2	1			1				1		1
Home Sunshine TK002-08-22	2	1			1				1	1	1
Home Sunshine TK002-08-23		2			1				1		
Home Sunshine TK002-08-24	1	2			1				1		
Home Sunshine TK002-08-25	3				1				1		
Home Sunshine TK002-08-26	3				1				1	1	
Home Sunshine TK002-08-27	3				1				1		1
Home Sunshine TK002-08-28	3				1				1	1	1
Home Sunshine TK002-08-29		3			1				1		

Home Sunshine TK002-10-01	2					1			1		
Home Sunshine TK002-10-02	2					1			1		1
Home Sunshine TK002-10-03	2					1			1		1
Home Sunshine TK002-10-04	2					1			1		1
Home Sunshine TK002-10-05	1	1				1			1		
Home Sunshine TK002-10-06	2	1				1			1		
Home Sunshine TK002-10-07	2	1				1			1		1
Home Sunshine TK002-10-08	2	1				1			1		1
Home Sunshine TK002-10-09		2				1			1		
Home Sunshine TK002-10-10	1	2				1			1		
Home Sunshine TK002-10-11	3					1			1		
Home Sunshine TK002-10-12	3					1			1		1
Home Sunshine TK002-10-13	3					1			1		1
Home Sunshine TK002-10-14	2					1				1	
Home Sunshine TK002-10-15	2					1				1	1
Home Sunshine TK002-10-16	2					1				1	1
Home Sunshine TK002-10-17	2					1				1	1
Home Sunshine TK002-10-18	1	1				1				1	
Home Sunshine TK002-10-19	2	1				1				1	
Home Sunshine TK002-10-20	2	1				1				1	1
Home Sunshine TK002-10-21	2	1				1				1	1
Home Sunshine TK002-10-22	2	1				1				1	1
Home Sunshine TK002-10-23		2				1				1	
Home Sunshine TK002-10-24	1	2				1				1	
Home Sunshine TK002-10-25	3					1				1	
Home Sunshine TK002-10-26	3					1				1	1

Home Sunshine TK002-10-27	3				1				1		1
Home Sunshine TK002-10-28	3				1				1	1	1
Home Sunshine TK002-10-29		3			1				1		
Home Sunshine TK002-10-30	1	2			1				1		1
Home Sunshine TK002-10-31	1	2			1				1	1	
Home Sunshine TK002-10-32		3			1				1		1
Home Sunshine TK002-10-33		3			1				1	1	
Home Sunshine TK002-10-34	4				1				1		
Home Sunshine TK002-10-35	3	1			1				1		
Home Sunshine TK002-10-36	3	1			1				1		1
Home Sunshine TK002-10-37	3	1			1				1	1	
Home Sunshine TK002-10-38	2	2			1				1		
Home Sunshine TK002-10-39	2	2			1				1		1
Home Sunshine TK002-10-40	2	2			1				1	1	
Home Sunshine TK002-10-41	1	3			1				1		

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

NOTICE:

Only the Home Sunshine was fully tested as a system according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the Home Sunshine and the Family Sunshine 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 passed 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

Marks and Certifications

Factory certification | ISO 9001:2015; ISO14001:2015