

General Information

Manufacturer : Sundaya
Product Name : T-lite
Model # : --
Report Date: 20.12.12 (preliminary)
Test Start Date : July 25, 2012
Test End Date : ,

Sample #	Sample ID Code
1	SUND_13_X_X_0712
2	SUND_14_X_X_0712
3	SUND_15_X_X_0712
4	SUND_16_X_X_0712
5	SUND_17_X_X_0712
6	SUND_18_X_X_0712
7	SUND_19_X_X_0712
8	SUND_20_X_X_0712
9	SUND_21_X_X_0712
10	SUND_22_X_X_0712
11	SUND_23_X_X_0712
12	SUND_24_X_X_0712
13	SUND_01_X_X_0712
14	SUND_02_X_X_0712
15	SUND_03_X_X_0712
16	SUND_04_X_X_0712
17	SUND_05_X_X_0712

Setting #	Setting Description
1	brightest
2	dimmed
3	lowest
4	--
5	--

Product Photo(s):



Results Summary (average of 6 samples)

Parameter Tested	Setting	Rating	Average Measured Value	Average Percent Deviation	Coefficient of Variation	Comments
Component Measurements						
Battery Capacity [mAh]	--	4500	4184	-7,0	0,01	--
PV Power [W]	--	3 / 6,98	3,6 / 6,1	20,7 / -12,44	0,03 / 0,17	--
Run Time						
Autonomous Run Time at L70 [h]	brightest	7,5	7,0	-7,1	0,06	--
	dimmed	15	--	--	--	--
Solar Run Time at L70 [h]	brightest	<i>Not stated</i>	--	--	--	test procedure is under development
	dimmed	<i>Not stated</i>	--	--	--	
Grid Run Time at L70 [h]	brightest	<i>Not stated</i>	--	--	--	--
	dimmed	<i>Not stated</i>	--	--	--	--
Lighting Service						
Luminous Flux [lm] (Average over L70)	brightest	180	183,8	2,1	0,02	--
	dimmed	90	--	--	--	--
	lowest	15	1,0	--	0,77	--
Correlated Color Temperature [K]	brightest	--	7688	--	0,00	--
	dimmed	--	--	--	--	--
	lowest	--	--	--	--	--
Color Rendering Index	brightest	--	74	--	0,01	--
	dimmed	--	--	--	--	--
	lowest	--	--	--	--	--
Useable working surface through L70 (≥ 25 lx) [m ²]	brightest	--	1,0	--	0,00	Measured at 0.75 m distance from a surface
Horizontal Full-Width Half-Max Angle [degrees]	brightest	--	51	--	0,03	
Vertical Full-Width Half-Max Angle [degrees]	brightest	--	51	--	0,03	
1000 hour Lumen Degradation [% of initial]	brightest	--	94	--	0,01	--
2000 hour Lumen Degradation [% of initial]	brightest	--	87	--	0,01	--

Results Summary Continued

Parameter Tested	Safety	Functionality	Pass/Fail	Comments
Durability				
Drop Test	6/6	6/6	pass	--
Switches and Connectors	6/6	6/6	pass	--
Strain Relief	6/6	6/6	pass	--
Internal Screening	--	--	good	--

Overall Level of Water Protection	Frequent rain	--
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General Comments