VeraSol
Standardized Specifications Book

Manufacturer: d.light design

Component Family Name: D3XX Family

Date of Standardized Specifications Book Expiration: November 30, 2021

Verify Online: https://data.verasol.org/products/sek/dl-d3xxfamily

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This VeraSol 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 or to meet the requirements in IEC 62257-9-8*.

Quality Standards Framework Version: 2019
Revision: 2021.04

Component-Level Standardized Specifications Sheet
d.light design
D3XX Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
3 Ah Battery	--	--	3	3.2

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
6 W panel	6	5.8
9 W panel	9	8.6

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)			Measured Luminous Flux (lm)			Measured Lamp Efficacy (lm/W)		
	High	Medium	Low	High	Medium	Low	High	Medium	Low
D30 lamp	120	--	--	119	--	65	--	--	--
X850 lamp	120	--	--	120	--	64	104	--	105
S30 lantern	60	--	--	58	--	15	152	--	160
Tubelight (4m)	200	--	--	180	--	110	95	--	98
Tubelight (6m)	200	--	--	--	--	--	--	--	--

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
Radio (SR10 and SR20)	portable radio with internal battery charges via USB	--	--	1.0	1.0

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 or the requirements in IEC 62257-9-8. 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
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System Name	Number of each component included in each system									
	D30 bulb	X850 bulb	S30 lantern	Tubelight 4m	Tubelight 6m	Radio	Torch	3000 mAh Battery	6 W panel	9 W panel
D330		2		1				1	1	
D331		3						1	1	
D332		2		1				1		1
D333		1		1	1			1	1	
D330R	2			1		1		1		1
D335		2		1		1	1	1		1
D330T		2		1			1	1	1	
D332R		2		1		1		1		1
D340		4	1			1	1	1		1

**Tested as full systems. Individual SSS available on VeraSol website.

NOTICE:

Only the D330 and the D330R 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 D330, the D330R, and the at https.data.verasol.org/products/sek/ 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 or the requirements in IEC 62257-9-8.

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 9001:2008; ISO 14001:2004
Safety certification	--
Other certification	--

Available Daily Electrical Energy and Port Information

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System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
D330/D330R**	19	yes

****Tested as full systems. Individual SSS available on VeraSol website.**

NOTICE:

The available daily electrical energy (Wh/day) is calculated for fully tested systems following the energy service calculations as described in IEC/TS 62257-9-5 Ed. 4. For products in a family that are not tested as a full system, estimations of available daily electrical energy (Wh/day) are calculated according to an alternative method using data from the test reports of fully-tested products and components. Estimating Wh/day values requires making assumptions about system efficiencies, power consumption, and user behavior. As with any calculation based on multiple assumptions, there is some degree of error in the Wh/day estimate, which may be greater or less than the actual value for a given product.