

Lighting Global Standardized Specifications Book

Manufacturer: d.light design

Component Family Name: D1XX Family

**Date of Standardized
Specifications Book Expiration:** November 30, 2019

Verify Online: www.lightingglobal.org/products/dl-d1xxfamily

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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: 2019

Revision: 2019.9

Component-Level Standardized Specifications Sheet

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D1XX Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
Power Pack	Lithium iron phosphate	3.2	10000	10900
FM Radio (SR10)	Lithium ion	3.7	1000	1000
AM/FM Radio (SR20)	Lithium ion	3.7	1000	1000
Torch	Lithium ion	3.7	2000	1900

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
9 W PV	9	7.8
10 W PV	10	not tested
12 W PV	12	10

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
Bulb (8m)	120	--	--	120	--	--	120	--	--
Tube light (4m)	220	50	35	250	--	33	120	--	--
Tube light (6m)	--	--	--	Not Tested			Not Tested		
Torch	80	--	--	80	--	22	57	--	62

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Radio (SR10 and SR20)	portable radio with internal battery; charges via USB	--	0.3	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

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D1XX Family

System Name	Number of each component included in each system									
	9 Ah Power Pack	Bulb (8m)	Tube light (4m)	Tube light (6m)	9W PV	10 W PV	12 W PV	FM Radio (SR10)	AM/FM Radio (SR20)	Torch
D100** †	1	2	1	--	1	--	--	--	--	--
D111	1	1	1	1	1	--	--	--	--	--
D120 °	1	2	1	--	1	--	--	0-1	0-1	--
D130 °	1	4	--	--	1	--	--	--	--	--
D150 †	1	2	1	--	--	1	--	0-1	--	1
D160 °	1	4	--	--	--	--	1	0-1	0-1	--
D180 °	1	2	1	--	--	--	1	0-1	0-1	--

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

†Kit is available with and without PAYG feature

°Kit has PAYG function

NOTICE:

Only the D100 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 D100 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