



Product Report Card

Manufacturer: Dals
Model Number Tested: I-ESP4WH
 Other Model Numbers:

Manufacturer's Description

Type of Device: LED 9 W 4" Downlight
 Operating Voltage: 120
 Input Power: 9 W
 Input Current: 0.15 A
 Input Frequency: 60 Hz

Control Type: Forward and Reverse Phase Control
 Dimming Range: Not Specified
 Output Power: Not Specified
 Lumen Output: 500 lm
 Type/Shape: 4" Downlight
 Base Type: N/A

Lutron Test Results

Date Tested: 07/06/2018
 Test Voltage: 120 V
 Test Notes: Test results valid only at 120V and 60 Hz.

Lutron Recommended Products

Lutron products not in this list can be considered to be not recommended, based on our testing.

Product	Model Number	Control Type ⁽¹⁾	Fixtures per Dimmer ⁽²⁾	Measured Dimming Range ⁽³⁾ (Software Trim Settings)		Perceived Low End ⁽⁴⁾	Comments
			Min-Max	Low End	High End		
<i>Commercial Systems</i>							
Panel Module	HW/LP-RPM-4A-120	RP	1 - 127	10%	90%	31%	
HomeWorksQS/myRoom	LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 120V, RP	RP	1 - 11	10%	94%	32%	
Grafik T	Phase Selectable GT-5NEM/ GTJ-5NEM	RP	1 - 27	9%	92%	30%	
Vive	MRF2S-6ELV	RP	1 - 16	9%	89%	30%	
<i>Interfaces</i>							
Power Modules	PHPM-PAwith Grafik Eye QS Main Unit	RP	1 - 157	9%	93%	30%	
Power Modules	PHPM-WBXwith 3-wire fluorescent control	RP	1 - 157	9%	93%	30%	
<i>Residential Systems</i>							

Product	Model Number	Control Type	Fixtures per Dimmer	Measured Dimming Range (Software Trim Settings)		Perceived Low End	Comments
				Min-Max	Low End		
RadioRA 2	RRD-6NA	RP	1 - 16	9%	89%	30%	
HomeWorks QS	HQRD-6NA	RP	1 - 16	9%	89%	30%	
Panel Module	HW/LP-RPM-4A-120	RP	1 - 127	10%	90%	31%	
HomeWorksQS/myRoom	LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 120V, RP	RP	1 - 11	10%	94%	32%	
Grafik T	Phase Selectable GT-5NEM/ GTJ-5NEM	RP	1 - 27	9%	92%	30%	
Homeworks QS	LQSE-4A-120-D, RP	RP	1 - 19	10%	94%	31%	

WallBox Dimmers

Diva/Skylark/Skylark Contour/Ariadni/Toggler/ Lumea	CL wall-mount dimmers (T8, T9)	FP	1 - 16	9%	93%	30%	
Maestro	MACL-153M (TX)	FP	1 - 16	8%	92%	28%	
Maestro Wireless	MRF2-6ELV	RP	1 - 16	9%	89%	30%	Load type not selectable.
Caseta Wireless	PD-6WCL (SD11)	FP	1 - 16	9%	91%	30%	
Grafik T	Phase Selectable GT-5NEM/ GTJ-5NEM	RP	1 - 27	9%	92%	30%	
Diva/Skylark ContourReverse Phase LED Preset Dimmers	DVRP-253PCTRP-253P	RP	1 - 27	1%	97%	10%	
Nova T*Reverse Phase LEDSlide to-off Dimmer	NTRP-250	RP	1 - 27	7%	97%	26%	
Skylark Contour Slide to-off	CTCL-150	FP	1 - 16	9%	93%	30%	
Caseta WirelessPhase Selectable	PD-5NE	RP	1 - 27	10%	92%	32%	

- Notes:
- * Identical model numbers with different compatibility codes may have different performance; () means there is no compatibility code assigned; contact technical support for additional information.
 - (1) Control types of FP and RP represent Forward Phase and Reverse Phase, respectively. See product literature for details.
 - (2) Maximum Fixtures per Dimmer value represents the maximum safe loading of the control.
 - (3) Values are based on light output using the specified dimming control, and may not be an indication of the fixture's full rated capability. Values are set to optimize performance, such as reducing dead travel, ensuring that fixtures turn on at low end, reducing turn-on time at low end, and trimming out instability. Software trim values are indicated in parentheses when applicable.
 - (4) Perceived light level percentage is the square root of the measured light level percentage, per IESNA Lighting Handbook.
 - (5) Interfaces have been tested with the listed control; any compatible dimmer may be used instead, but high end/low end light levels may vary slightly.

For any questions on this report, please contact the Lutron LED Center of Excellence at 877-DIM-LED8 or leds@lutron.com.

This information was posted with the consent and cooperation of the device manufacturer. Please be aware that device manufacturers may modify their product at any time, without notice to Lutron, and therefore Lutron cannot ensure future compatibility. For more detailed and up to date fixture specifications, performance and/or any related recall information, visit the manufacturer's website. The latest Lutron test results can always be found at www.lutron.com/LEDtool.