Vendor Report: DLD Contract - DLD/EIG1RPAW27K15D

Manufacturer Contact Information

Company	**DLD Contract**		
Name	richard strange	**Title**	N/A
Address	unit 9 brookside business centre, reading, rg71th		
Email	enquiries@dld-contract.co.uk	**Phone**	01189 889414
Brand	Eiger		

Sample Information

Model Tested	DLD/EIG1RPAW27K15D	**Description**	13 W Downlight
Additional Models:			
Driver Model Number:			
Light Engine Model #:			
Sample Type	LED	**Manufacturer's rated dimming range**	
Sample Date Code		**Number of Samples Tested**	6
Voltage Rating	240 V	**UL File Number**	
Voltage Tested	240 V	**Input Current Rating**	0.035 A
Output Power Rating	0	**Input Power Rating**	13 W
Frequency	50 Hz Hz	**Manufacturers Rated Lumen Output**	750
Incandesecent Lumen Equiv.		**Control Type**	Forward and Reverse Phase Control
Uses Separate LV Power Supply		**Power Supply Model/Mfgr:**	
FP Dimmer Equiv Rating	140.29 W	**Shape/Type** Downlight	**Base Type:** N/A
RP/Other Dimmer Equiv Rating	16.25 W	**Sample ID#**	4149
Comment:			

Schedule

Date Samples Received:	12/02/2019
Testing Performed	

Test Event Type	Date	Performed By
Performed	12/16/2019	pgaro@lutron.com
Review	12/20/2019	smatakonis@lutron.com
Sent	01/08/2020	smatakonis@lutron.com

Test Notes for Report Card

Test results valid only at 240V and 50 Hz. Test Results Valid Only with Driver Model OTE13/220-240/350PC.

Test Comments for Preliminary Test and Report Card

Additional Notes (not printed on Report Card)

Inrush Current

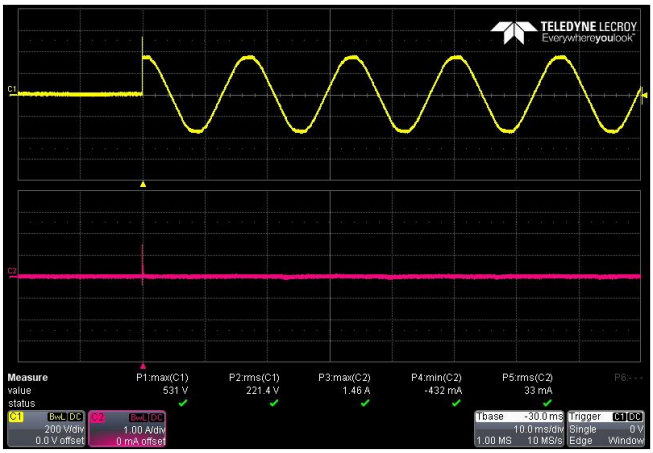
Number of Fixtures	Switch on Peak		
	Positive Half-Cycle	Negative Half-Cycle	Avg per Fixture
1	1.46 A	1.73 A	1.73 A
6	8.8 A	9 A	1.50 A

Incandescent Equivalent: **25 W**

Scope Image: 1 Fixture, Positive Half-Cycle

Current Trace: Red

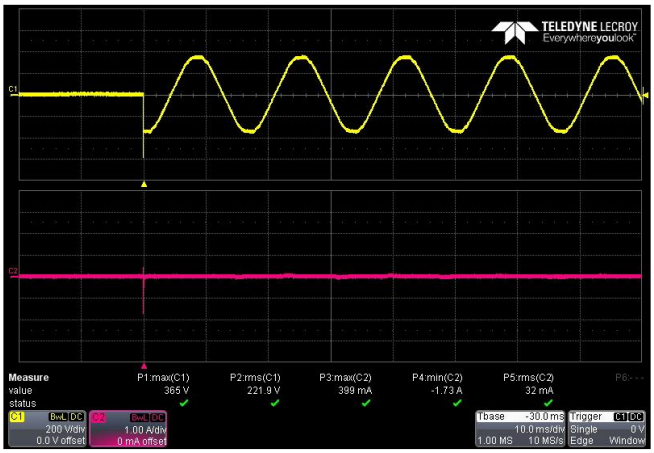
Voltage Trace: Yellow



Scope Image: 1 Fixture, Negative Half-Cycle

Current Trace: Red

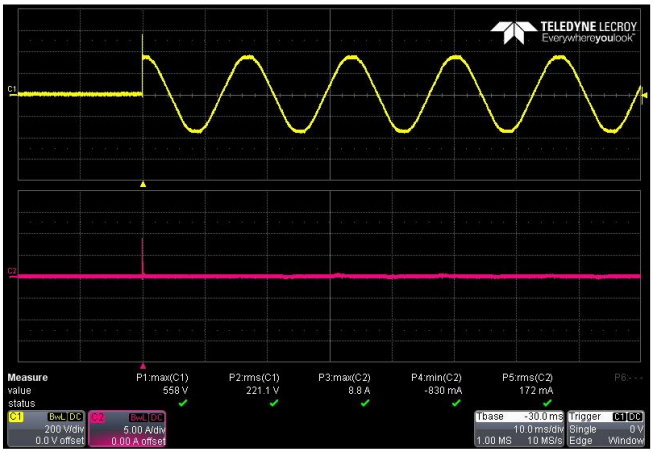
Voltage Trace: Yellow



Scope Image: 6 Fixtures, Positive Half-Cycle

Current Trace: Red

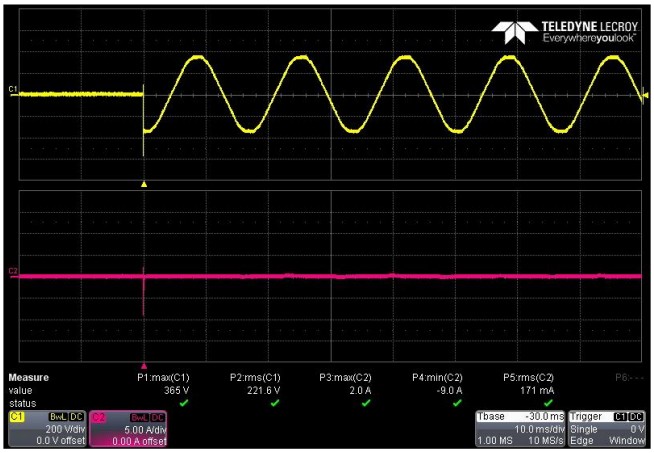
Voltage Trace: Yellow



Scope Image: 6 Fixtures, Negative Half-Cycle

Current Trace: Red

Voltage Trace: Yellow



RP Inrush Current

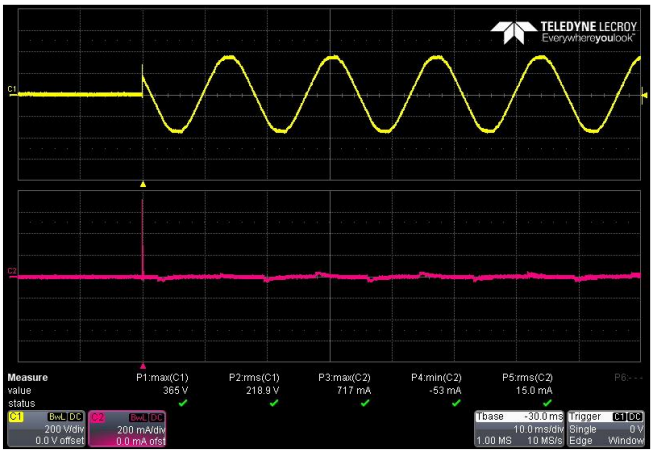
Number of Fixtures	Switch on Peak		
	Positive Half-Cycle	Negative Half-Cycle	Avg per Fixture
1	0.717 A	0.452 A	0.72 A
6	3.55 A	3.62 A	0.60 A

Incandescent Equivalent: **10 W**

Scope Image: 1 Fixture, Positive Half-Cycle

Current Trace: Red

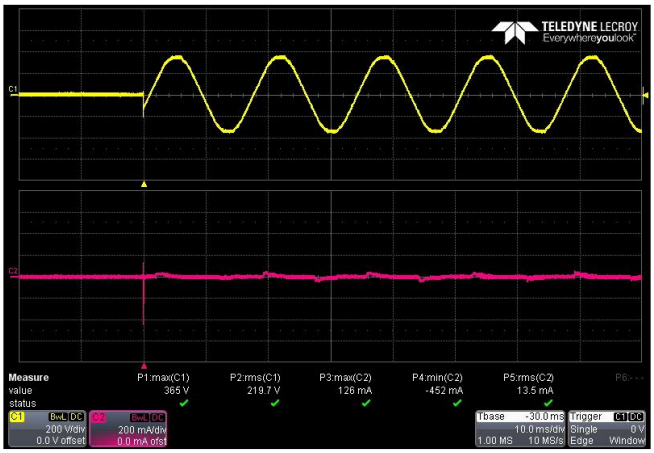
Voltage Trace: Yellow



Scope Image: 1 Fixture, Negative Half-Cycle

Current Trace: Red

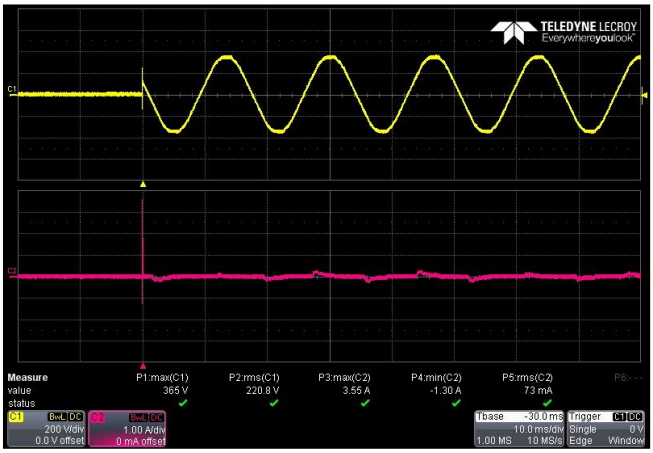
Voltage Trace: Yellow



Scope Image: 6 Fixtures, Positive Half-Cycle

Current Trace: Red

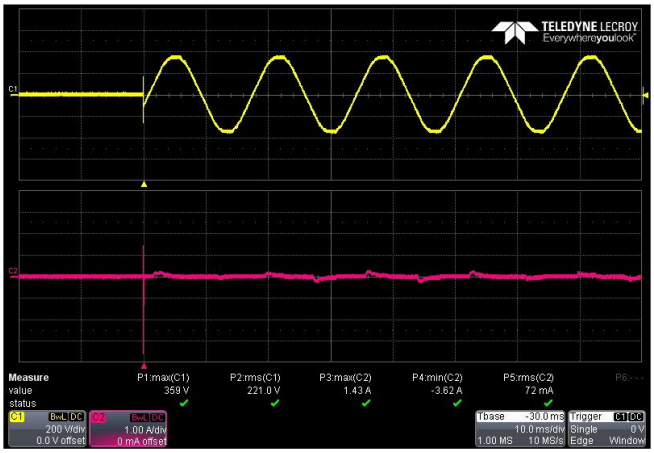
Voltage Trace: Yellow



Scope Image: 6 Fixtures, Negative Half-Cycle

Current Trace: Red

Voltage Trace: Yellow



Repetitive Peak Current

Number of Fixtures	Max Current	RMS Voltage at Peak Current	RMS Current at Peak Current	Average per Fixture
1	1.91 A	215.2 V	0.0936 A	1.91 A
6	6.2 A	177.3 V	0.49 A	1.03 A

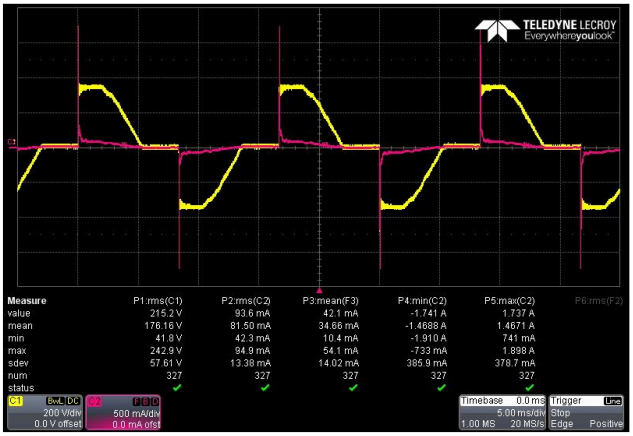
Dimmer Used: Grafik Eye QS

Incandescent Equivalent: 140 W

Scope Image: 1 Fixture

Current Trace: Red

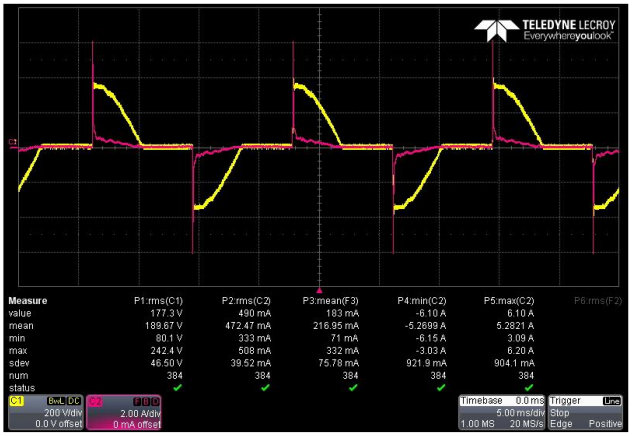
Voltage Trace: Yellow



Scope Image: 6 Fixtures

Current Trace: Red

Voltage Trace: Yellow



Test Comments:

RP RPC

Number of Fixtures	Max Current	RMS Voltage at Peak Current	RMS Current at Peak Current	Average per Fixture
1	0.1211 A	237.1 V	0.06739 A	0.12 A
6	0.718 A	237.4 V	0.4047 A	0.12 A

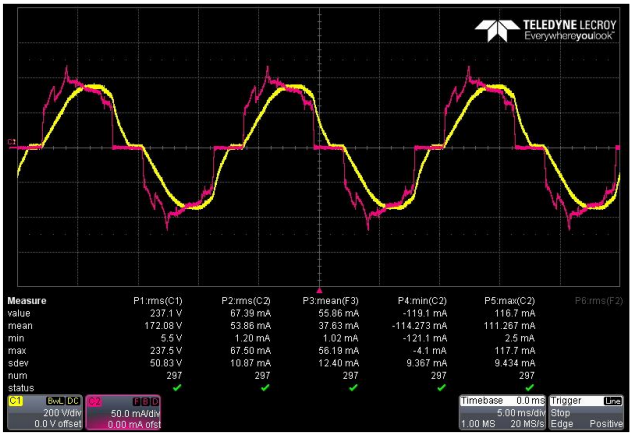
Dimmer Used: PHPM

Incandescent Equivalent: 16 W

Scope Image: 1 Fixture

Current Trace: Red

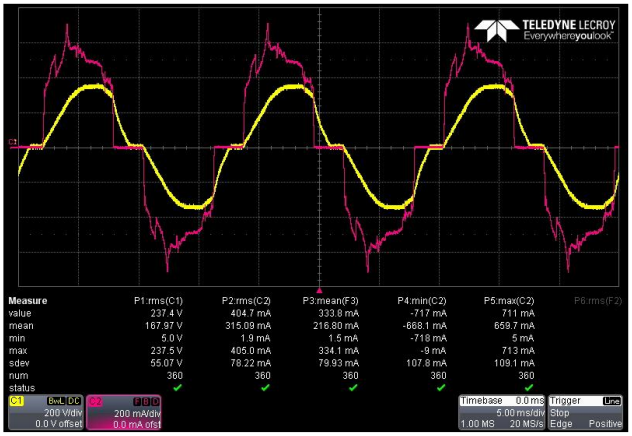
Voltage Trace: Yellow



Scope Image: 6 Fixtures

Current Trace: Red

Voltage Trace: Yellow



Test Comments:

RMS Current

Number of Fixtures	Max Current	RMS Voltage at Peak Current	Average per Fixture
1	0.0949 A	215.2 V	0.09 A
6	0.508 A	229.9 V	0.08 A

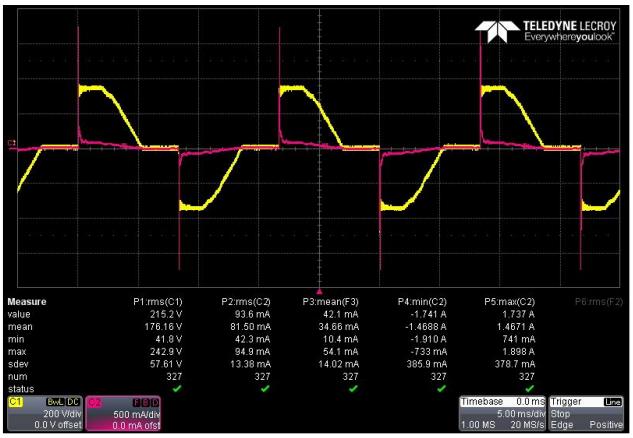
Dimmer Used: Grafik Eye QS

Incandescent Equivalent: **20 W**

Scope Image: 1 Fixture

Current Trace: Red

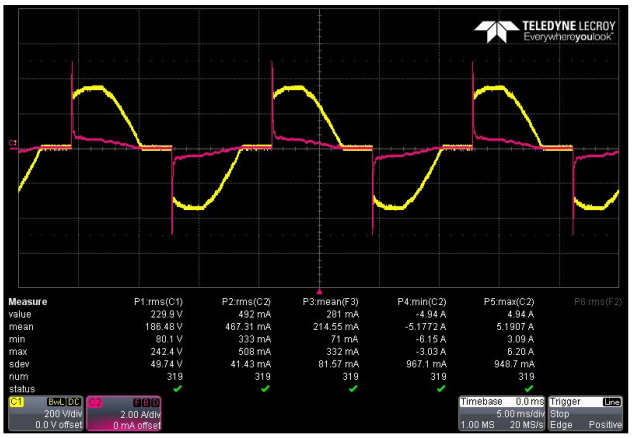
Voltage Trace: Yellow



Scope Image: 6 Fixtures

Current Trace: Red

Voltage Trace: Yellow



Test Comments:

RP RMS Current

Number of Fixtures	Max Current	RMS Voltage at Peak Current	Average per Fixture
1	0.0675 A	237.1 V	0.07 A
6	0.405 A	237.4 V	0.07 A

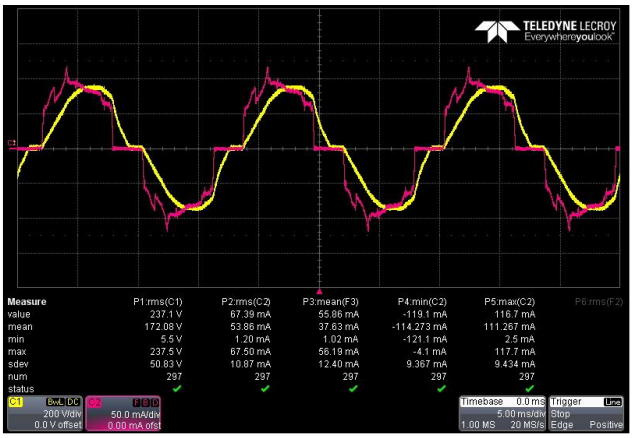
Dimmer Used: PHPM

Incandescent Equivalent: 16 W

Scope Image: 1 Fixture

Current Trace: Red

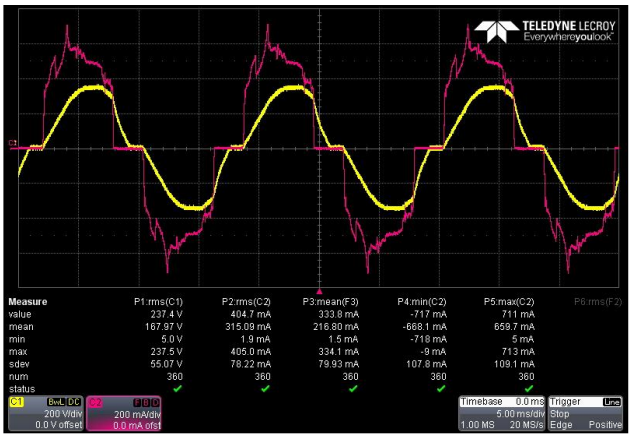
Voltage Trace: Yellow



Scope Image: 6 Fixtures

Current Trace: Red

Voltage Trace: Yellow



Test Comments:

Average Current

Number of Fixtures	Max Current	RMS Voltage at Peak Current	RMS Current at Peak Current	Average per Fixture
1	0.0541 A	242.2 V	0.0737 A	0.05 A
6	0.332 A	242.1 V	0.45 A	0.06 A

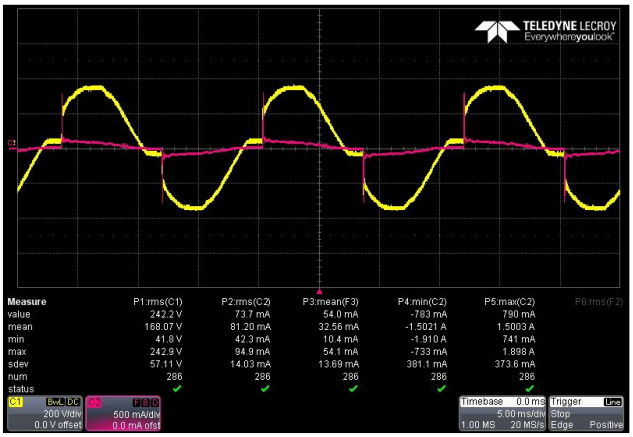
Dimmer Used: Grafik Eye QS

Incandescent Equivalent: 13 W

Scope Image: 1 Fixture

Current Trace: Red

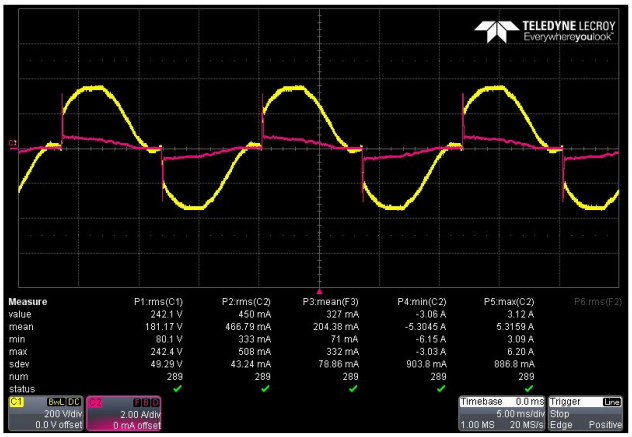
Voltage Trace: Yellow



Scope Image: 6 Fixtures

Current Trace: Red

Voltage Trace: Yellow



Test Comments:

Repetitive Voltage Ring-up

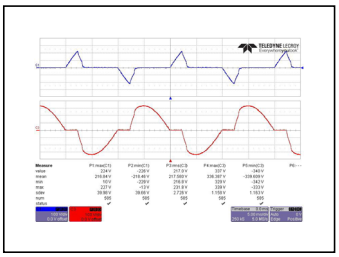
Voltage at Max Ringup 339

Dimmer Used QSNE-4A-D

Scope Image: Dimmer at Low End

Voltage Trace: Blue (Dim Hot-to-Neutral)

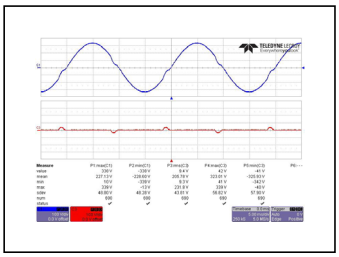
Voltage Trace: Red (Hot to Dim Hot)



Scope Image: Dimmer at Maximum Ringup

Voltage Trace: Blue (Dim Hot-to-Neutral)

Voltage Trace: Red (Hot to Dim Hot)



Revision 2.2.0 | Load Qualification Test | 01/08/2020

Vendor Report: DLD Contract - DLD/EIG1RPAW27K15D

Dimmer Performance

Full-conduction light level: 2000

Product				Properties				Min Fixtures				Max Fixtures				Relative Light Level FC				Performance														
																High End		Low End																
Family	Model Number	Control Type	Control Family	Result	Voltage	Max Rating (W or VA)	Max # of loads (per output)	High end voltage	High end trim value	Low end voltage	Low end trim value	High end voltage	High end trim value	Low end voltage	Low end trim value	Measured	Percent	Measured	Percent	HE Dead Travel	LE Dead Travel	Steppy Dimming	Flicker	Shimmer	No Turn Off	Buzzing	Start Time At LE	LEPopOn	Popcorn	Min # Of Fixtures	Lut LBx Required?	Comments	Report Card Comment Suffix	Lutron Comments (not printed)
HomeWorks QS/ESN Phase Adaptive	**LQSE-4A-D (Gen. 2)/QSNE-4A-D (Gen. 2)**	RP	CS,RS	Pass	240	500	30	237		77		237		77		1997	100%	200	10%	+	+	+	+	+	+	+	1		+	1	N		Rating is per zone. Performance may vary with dimmers manufactured before March 2014.	DO NOT HOT SWITCH LOADS HW Rev. J and SW 7.085 For UPFT, test only RP* Performance in FP PRODUCT SPECIFIC TESTING: 10 sec fade: + Multi-zone leakage: + Witnesses: >>>>1f/min load <<<< >>>>full load<<<<
HomeWorksQS/myRoom	**LQSE-4A1-D/MQSE-4A1-D/MQSE-3A1/MQSE-2A1-D, 240V, RP**	RP	CS,RS	Pass	240	240	14	234	99	77	14	233	99	77	14	1994	100%	198	10%	+	+	+	+	+	+	+	1		+	1	N		Rating is per output; total quantity per Main Unit is 56.	DO NOT HOT SWITCH LOADS For UPFT, test RP only. Max # of loads = 6 Witnesses: >>>>1f/min load <<<< >>>>full load<<<<
Grafik Integrale	**GXI-3104**	RP	CS	Pass	240	800	51	235		76		235		75		1998	100%	188	9%	+	+	+	+	+	+	+	1		+	1	N		The max rating per unit (all outputs of the module combined) is 2,300 W/VA. Manufacturer recommends RP only.	Selectable PRODUCT SPECIFIC TESTING: 10 sec fade: + Multi-zone leakage: + Witnesses: >>>>1f/min load <<<< >>>>full load<<<<
RA2 Select	**RRK-R25NE-240**	RP	RS	Pass	240	250	14	229		75		229		75		1955	98%	197	10%	+	+	+	+	+	+	+	1		+	1	N			
Homeworks QS	**HQRK-R25NE-240**	RP	RS	Pass	240	250	14	229		75	0	229		75	0	1955	98%	197	10%	+	+	+	+	+	+	+	1		+	1	N			
Homeworks QS	**HQRM-R25NE-240**	RP	RS	Pass	240	250	14	229		75	0	229		75	0	1955	98%	197	10%	+	+	+	+	+	+	+	1		+	1	N			