

T e s t R e p o r t

Report No : L16591A

Client: : Ark Lighting Ltd
McGann House
Chesham Rd
Barnsley
South Yorkshire
S70 2NT

Description : Tekk Street Luminaire 12 LED

Manufacturer : Not Disclosed

Type/Model : LE12A

Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 17.0 (15/03/2017)

Date Testing Started : 12/07/2017

Conclusion : Refer to body of report

Date of Issue : 29/08/2017

Date of Expiry : 24/08/2022

Tested by: T.MALIK
Position: Operations Manager



Approved by: J.ADAMS
Position: Accreditation &
Certification Officer



1286

INTRODUCTION

Ark Lighting Ltd has supplied the product identified in table 1 for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 17.0 (15/03/2017).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	Tekk Street Luminaire 12 LED
Model No.	LE12A
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	L645mm x W330mm x L122mm
Product Supply Requirement	220-240V, 50/60Hz
Lamp Type and Power	LED, various
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

The customer has declared that the equipment load does not vary with ambient temperature.

Continued on following page

RESULTS

Table 2. Wattage and VA results for LE12A programmed at 350mA drive current

Operating Mode	100%, Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	13.76	13.79	13.89	13.95	13.70
220	13.76	13.80	13.89	13.94	13.70
230	13.77	13.81	13.89	13.94	13.71
240	13.78	13.82	13.91	13.95	13.72
250	13.80	13.83	13.93	13.96	13.73
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.48	14.53	14.63	14.67	14.46
220	14.60	14.65	14.75	14.78	14.59
230	14.74	14.80	14.89	14.92	14.73
240	14.90	14.96	15.06	15.08	14.90
250	15.08	15.14	15.24	15.25	15.09
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.95	0.95	0.95	0.95	0.95
220	0.94	0.94	0.94	0.94	0.94
230	0.93	0.93	0.93	0.93	0.93
240	0.92	0.92	0.92	0.93	0.92
250	0.92	0.91	0.91	0.92	0.91
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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Table 3. Wattage and VA results for LE12A programmed at 350mA drive current

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.71	10.76	10.84	10.87	10.67
220	10.72	10.77	10.84	10.87	10.68
230	10.72	10.77	10.83	10.85	10.66
240	10.74	10.79	10.86	10.87	10.68
250	10.77	10.81	10.88	10.89	10.70
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	11.57	11.63	11.71	11.72	11.57
220	11.72	11.79	11.87	11.87	11.73
230	11.88	11.95	12.02	12.01	11.89
240	12.07	12.14	12.22	12.21	12.09
250	12.29	12.36	12.44	12.41	12.31
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.93	0.93	0.93	0.93	0.92
220	0.91	0.91	0.91	0.92	0.91
230	0.90	0.90	0.90	0.90	0.90
240	0.89	0.89	0.89	0.89	0.88
250	0.88	0.87	0.87	0.88	0.87
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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Table 4. Wattage and VA results for LE12A programmed at 350mA drive current

Operating Mode	50%, Dali Code: 229				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	7.74	7.75	7.80	7.87	7.70
220	7.74	7.76	7.81	7.80	7.69
230	7.76	7.78	7.82	7.81	7.70
240	7.78	7.80	7.85	7.86	7.73
250	7.81	7.83	7.88	7.87	7.74
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	8.81	8.85	8.90	8.95	8.83
220	8.99	9.04	9.09	9.05	9.01
230	9.21	9.25	9.30	9.25	9.23
240	9.45	9.51	9.55	9.54	9.49
250	9.75	9.81	9.85	9.80	9.80
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.88	0.88	0.88	0.88	0.87
220	0.86	0.86	0.86	0.86	0.85
230	0.84	0.84	0.84	0.84	0.83
240	0.82	0.82	0.82	0.82	0.81
250	0.80	0.80	0.80	0.80	0.79
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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Table 5. Wattage and VA results for LE12A programmed at 350mA drive current

Operating Mode	25%, Dali Code: 203				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	4.73	4.73	4.74	4.77	4.67
220	4.77	4.77	4.78	4.77	4.71
230	4.81	4.81	4.82	4.82	4.74
240	4.80	4.81	4.83	4.87	4.73
250	4.79	4.81	4.82	4.89	4.73
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	6.26	6.28	6.29	6.30	6.28
220	6.62	6.63	6.64	6.59	6.66
230	7.00	7.05	7.07	7.03	7.05
240	7.39	7.44	7.46	7.45	7.46
250	7.79	7.85	7.87	8.04	7.88
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.76	0.75	0.75	0.76	0.74
220	0.72	0.72	0.72	0.72	0.71
230	0.69	0.68	0.68	0.69	0.67
240	0.65	0.65	0.65	0.65	0.63
250	0.61	0.61	0.61	0.61	0.60
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 6. Wattage and VA results for LE12A programmed at 350mA drive current

Operating Mode	Minimum, Dali Code: 195				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	4.16	4.16	4.17	4.25	4.14
220	4.18	4.19	4.20	4.29	4.17
230	4.17	4.18	4.20	4.28	4.15
240	4.16	4.17	4.19	4.27	4.14
250	4.14	4.15	4.17	4.24	4.12
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	6.23	6.19	6.17	6.34	6.33
220	6.59	6.58	6.58	6.75	6.71
230	6.95	6.94	6.94	7.10	7.07
240	7.30	7.31	7.30	7.46	7.42
250	7.62	7.64	7.64	7.79	7.75
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.67	0.67	0.68	0.67	0.65
220	0.63	0.64	0.64	0.64	0.62
230	0.60	0.60	0.61	0.60	0.59
240	0.57	0.57	0.57	0.57	0.56
250	0.54	0.54	0.55	0.54	0.53
Ambient Temperature During Test (°C)			24.0		
PF Leading/Lagging			Leading		

Continued on following page

Table 7. Wattage and VA results for LE12A programmed at 500mA drive current

Operating Mode	100%, Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	19.25	19.30	19.43	19.54	19.19
220	19.22	19.26	19.40	19.50	19.15
230	19.16	19.20	19.35	19.42	19.09
240	19.13	19.17	19.33	19.39	19.07
250	19.14	19.18	19.33	19.38	19.07
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	19.83	19.88	20.02	20.12	19.79
220	19.89	19.95	20.09	20.17	19.86
230	19.94	20.00	20.14	20.20	19.91
240	20.03	20.03	20.24	20.29	20.02
250	20.16	20.23	20.38	20.42	20.16
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.97	0.97	0.97	0.97	0.97
220	0.97	0.97	0.97	0.97	0.96
230	0.96	0.96	0.96	0.96	0.96
240	0.96	0.96	0.96	0.96	0.95
250	0.95	0.95	0.95	0.95	0.95
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 8. Wattage and VA results for LE12A programmed at 500mA drive current

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	14.70	14.76	14.85	14.91	14.64
220	14.70	14.75	14.85	14.90	14.64
230	14.70	14.75	14.85	14.89	14.64
240	14.71	14.76	14.86	14.89	14.65
250	14.72	14.76	14.87	14.89	14.65
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	15.39	15.46	15.55	15.60	15.37
220	15.51	15.57	15.67	15.70	15.49
230	15.64	15.70	15.80	15.83	15.62
240	15.78	15.85	15.96	15.97	15.78
250	15.95	16.02	16.13	16.12	15.95
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.95	0.95	0.96	0.95
220	0.95	0.95	0.95	0.95	0.95
230	0.94	0.94	0.94	0.94	0.94
240	0.93	0.93	0.93	0.93	0.93
250	0.92	0.92	0.92	0.92	0.92
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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Table 9. Wattage and VA results for LE12A programmed at 500mA drive current

Operating Mode	50%, Dali Code: 228				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.29	10.33	10.39	10.42	10.23
220	10.29	10.33	10.39	10.35	10.23
230	10.31	10.35	10.40	10.36	10.24
240	10.33	10.36	10.42	10.42	10.26
250	10.35	10.39	10.45	10.41	10.28
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	11.17	11.22	11.29	11.32	11.15
220	11.32	11.38	11.44	11.38	11.31
230	11.50	11.56	11.62	11.56	11.50
240	11.69	11.75	11.82	11.80	11.70
250	11.90	11.97	12.04	11.98	11.92
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.92	0.92	0.92	0.92	0.92
220	0.91	0.91	0.91	0.91	0.90
230	0.90	0.90	0.90	0.90	0.89
240	0.88	0.88	0.88	0.88	0.88
250	0.87	0.87	0.87	0.87	0.86
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 10. Wattage and VA results for LE12A programmed at 500mA drive current

Operating Mode	25%, Dali Code: 202				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	5.96	5.97	6.00	6.02	5.90
220	5.99	3.01	6.03	6.00	5.93
230	6.03	6.04	6.06	6.04	5.96
240	6.07	6.08	6.10	6.10	5.99
250	6.10	6.12	6.14	6.23	6.02
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	7.23	7.26	7.29	7.30	7.24
220	7.48	7.52	7.55	7.49	7.50
230	7.79	7.83	7.85	7.79	7.82
240	8.18	8.20	8.22	8.19	8.22
250	8.59	8.64	8.67	8.85	8.65
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.82	0.82	0.82	0.82	0.81
220	0.80	0.40	0.80	0.80	0.79
230	0.77	0.77	0.77	0.78	0.76
240	0.74	0.74	0.74	0.74	0.73
250	0.71	0.71	0.71	0.70	0.70
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 11. Wattage and VA results for LE12A programmed at 500mA drive current

Operating Mode	Minimum, Dali Code: 182				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	4.14	4.13	4.14	4.21	4.11
220	4.17	4.17	4.18	4.26	4.14
230	4.16	4.17	4.18	4.26	4.14
240	4.16	4.16	4.18	4.26	4.13
250	4.14	4.15	4.17	4.24	4.12
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	6.22	6.17	6.15	6.31	6.30
220	6.58	6.56	6.56	6.73	6.68
230	6.94	6.93	6.92	7.08	7.06
240	7.29	7.30	7.30	7.44	7.41
250	7.62	7.64	7.64	7.78	7.75
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.67	0.67	0.67	0.67	0.65
220	0.63	0.64	0.64	0.63	0.62
230	0.60	0.60	0.60	0.60	0.59
240	0.57	0.57	0.57	0.57	0.56
250	0.54	0.54	0.55	0.54	0.53
Ambient Temperature During Test (°C)			23.5		
PF Leading/Lagging			Leading		

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Table 12. Wattage and VA results for LE12A programmed at 700mA drive current

Operating Mode	100%, Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	26.98	26.97	27.20	27.36	26.88
220	26.87	26.88	27.11	27.24	26.78
230	26.74	26.78	27.02	27.12	26.68
240	26.66	26.71	26.95	27.04	26.61
250	26.60	26.64	26.89	26.96	26.54
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	27.48	27.46	27.69	27.85	27.39
220	27.46	27.45	27.68	27.81	27.36
230	27.46	27.44	27.68	27.77	27.35
240	27.40	27.46	27.70	27.77	27.36
250	27.45	27.50	27.74	27.79	27.42
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.98	0.98	0.98	0.98	0.98
220	0.98	0.98	0.98	0.98	0.98
230	0.97	0.98	0.98	0.98	0.98
240	0.97	0.97	0.97	0.97	0.97
250	0.97	0.97	0.97	0.97	0.97
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 13. Wattage and VA results for LE12A programmed at 700mA drive current

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	20.17	20.24	20.38	20.47	20.11
220	20.15	20.20	20.36	20.43	20.09
230	20.13	20.19	20.34	20.41	20.07
240	20.12	20.17	20.34	20.40	20.06
250	20.11	20.16	20.33	20.37	20.05
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	20.73	20.81	20.95	21.03	20.70
220	20.80	20.87	21.03	21.09	20.77
230	20.89	20.95	21.11	21.16	20.86
240	20.99	21.06	21.22	21.27	20.98
250	21.10	21.18	21.35	21.37	21.10
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.97	0.97	0.97	0.97	0.97
220	0.97	0.97	0.97	0.97	0.97
230	0.96	0.96	0.96	0.96	0.96
240	0.96	0.96	0.96	0.96	0.96
250	0.95	0.95	0.95	0.95	0.95
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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Table 14. Wattage and VA results for LE12A programmed at 700mA drive current

Operating Mode	50%, Dali Code: 228				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	13.77	13.81	13.90	13.94	13.70
220	13.77	13.81	13.90	13.84	13.70
230	13.78	13.82	13.90	13.85	13.70
240	13.78	13.82	13.91	13.91	13.71
250	13.80	13.83	13.92	13.88	13.72
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.48	14.54	14.63	14.68	14.45
220	14.61	14.66	14.76	14.69	14.58
230	14.75	14.81	14.89	14.84	14.72
240	14.90	14.96	15.06	15.05	14.89
250	15.07	15.14	15.23	15.17	15.07
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.95	0.95	0.95	0.95	0.95
220	0.94	0.94	0.94	0.94	0.94
230	0.93	0.93	0.93	0.93	0.93
240	0.92	0.92	0.92	0.92	0.92
250	0.92	0.91	0.91	0.91	0.91
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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Table 15. Wattage and VA results for LE12A programmed at 700mA drive current

Operating Mode	25%, Dali Code: 203				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	7.63	7.66	7.70	7.73	7.59
220	7.66	7.68	7.73	7.69	7.61
230	7.69	7.72	7.75	7.73	7.64
240	7.71	7.74	7.78	7.78	7.66
250	7.75	7.78	7.82	7.79	7.69
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	8.70	8.79	8.80	8.82	8.72
220	8.90	8.96	9.00	8.95	8.92
230	9.13	9.18	9.23	9.17	9.16
240	9.38	9.44	9.48	9.45	9.42
250	9.69	9.75	9.79	9.73	9.74
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.88	0.87	0.88	0.88	0.87
220	0.86	0.86	0.86	0.86	0.85
230	0.84	0.84	0.84	0.84	0.83
240	0.82	0.82	0.82	0.82	0.81
250	0.80	0.80	0.80	0.80	0.79
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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Table 16. Wattage and VA results for LE12A programmed at 700mA drive current

Operating Mode	Minimum, Dali Code: 170				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	4.18	4.18	4.19	4.27	4.17
220	4.21	4.21	4.22	4.31	4.19
230	4.19	4.21	4.22	4.31	4.18
240	4.18	4.20	4.22	4.29	4.17
250	4.17	4.18	4.20	4.27	4.15
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	6.24	6.20	6.19	6.35	6.34
220	6.61	6.60	6.58	6.76	6.72
230	6.96	6.95	6.95	7.10	7.08
240	7.31	7.32	7.29	7.46	7.44
250	7.63	7.65	7.65	7.79	7.77
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.67	0.67	0.68	0.67	0.66
220	0.64	0.64	0.64	0.64	0.62
230	0.60	0.61	0.61	0.61	0.59
240	0.57	0.57	0.58	0.58	0.56
250	0.55	0.55	0.55	0.55	0.53
Ambient Temperature During Test (°C)			23.5		
PF Leading/Lagging			Leading		

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Table 17. Wattage and VA results for LE12A programmed at 1000mA drive current

Operating Mode	100%, Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	38.72	38.70	39.17	39.31	38.65
220	38.63	38.31	39.08	39.20	38.56
230	38.55	38.52	39.01	39.11	38.48
240	38.49	38.46	38.94	39.03	38.41
250	38.43	38.40	38.89	38.97	38.36
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	39.18	39.16	39.63	39.78	39.14
220	39.15	39.13	39.60	39.73	39.11
230	39.15	39.12	39.60	39.72	39.12
240	39.16	39.13	39.61	39.72	39.13
250	39.20	39.16	39.65	39.74	39.17
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.99	0.99	0.99	0.99	0.99
220	0.99	0.98	0.99	0.99	0.99
230	0.98	0.98	0.99	0.98	0.98
240	0.98	0.98	0.98	0.98	0.98
250	0.98	0.98	0.98	0.98	0.98
Ambient Temperature During Test (°C)			23		
PF Leading/Lagging			Leading		

Continued on following page

Table 18. Wattage and VA results for LE12A programmed at 1000mA drive current

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	28.80	29.09	28.79	28.21	28.72
220	28.75	29.04	28.74	29.15	28.66
230	28.68	29.00	28.68	29.08	28.61
240	28.59	28.92	28.60	28.99	28.53
250	28.57	28.90	28.57	28.96	28.50
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	29.27	29.56	29.26	28.67	29.20
220	29.28	29.60	29.29	29.68	29.23
230	29.30	29.63	29.31	29.70	29.26
240	29.29	29.63	29.31	29.69	29.27
250	29.36	29.71	29.39	29.76	29.34
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.98	0.98	0.98	0.98	0.98
220	0.98	0.98	0.98	0.98	0.98
230	0.98	0.98	0.98	0.98	0.98
240	0.98	0.98	0.98	0.98	0.97
250	0.97	0.97	0.97	0.97	0.97
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 19. Wattage and VA results for LE12A programmed at 1000mA drive current

Operating Mode	50%, Dali Code: 228				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	19.16	19.21	19.37	19.42	19.10
220	19.15	19.20	19.35	19.28	19.08
230	19.14	19.19	19.34	19.28	19.07
240	19.11	19.15	19.31	19.32	19.04
250	19.11	19.15	19.31	19.25	19.03
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	19.74	19.80	19.95	20.03	19.70
220	19.82	19.88	20.04	19.97	19.79
230	19.92	19.98	20.13	20.07	19.89
240	20.00	20.06	20.22	20.24	19.98
250	20.13	20.19	20.36	20.29	20.12
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.97	0.97	0.97	0.97	0.97
220	0.97	0.97	0.97	0.97	0.96
230	0.96	0.96	0.96	0.96	0.96
240	0.96	0.95	0.95	0.95	0.95
250	0.95	0.95	0.95	0.95	0.95
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 20. Wattage and VA results for LE12A programmed at 1000mA drive current

Operating Mode	25%, Dali Code: 204				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.22	10.27	10.33	10.35	10.17
220	10.24	10.29	10.35	10.30	10.18
230	10.26	10.30	10.35	10.30	10.19
240	10.28	10.32	10.38	10.37	10.22
250	10.31	10.35	10.40	10.36	10.24
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	11.10	11.16	11.23	11.25	11.09
220	11.27	11.33	11.40	11.33	11.26
230	11.44	11.51	11.57	11.50	11.44
240	11.63	11.71	11.77	11.74	11.65
250	11.85	11.93	11.99	11.92	11.88
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.92	0.92	0.92	0.92	0.92
220	0.91	0.91	0.91	0.91	0.90
230	0.90	0.89	0.89	0.90	0.89
240	0.88	0.88	0.88	0.88	0.88
250	0.87	0.87	0.87	0.87	0.86
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

Table 21. Wattage and VA results for LE12A programmed at 1000mA drive current

Operating Mode	Minimum, Dali Code: 157				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	4.15	4.15	4.16	4.22	4.13
220	4.17	4.18	4.19	4.25	4.14
230	4.15	4.16	4.18	4.23	4.12
240	4.13	4.14	4.17	4.21	4.11
250	4.10	4.10	4.14	4.17	4.08
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	6.22	6.18	6.16	6.31	6.31
220	6.57	6.56	6.57	6.72	6.67
230	6.92	6.91	6.91	7.05	7.04
240	7.26	7.27	7.28	7.40	7.39
250	7.58	7.59	7.61	7.72	7.71
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.67	0.67	0.68	0.67	0.65
220	0.63	0.64	0.64	0.63	0.62
230	0.60	0.60	0.60	0.60	0.59
240	0.57	0.57	0.57	0.57	0.56
250	0.54	0.54	0.54	0.54	0.53
Ambient Temperature During Test (°C)			23.0		
PF Leading/Lagging			Leading		

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

MEASUREMENT UNCERTAINTY

The following expanded uncertainties apply to the measurements shown in the results;

True Power (W): $\pm 0.69\%$, Apparent Power (VA): $\pm 0.61\%$

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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ILLUSTRATION

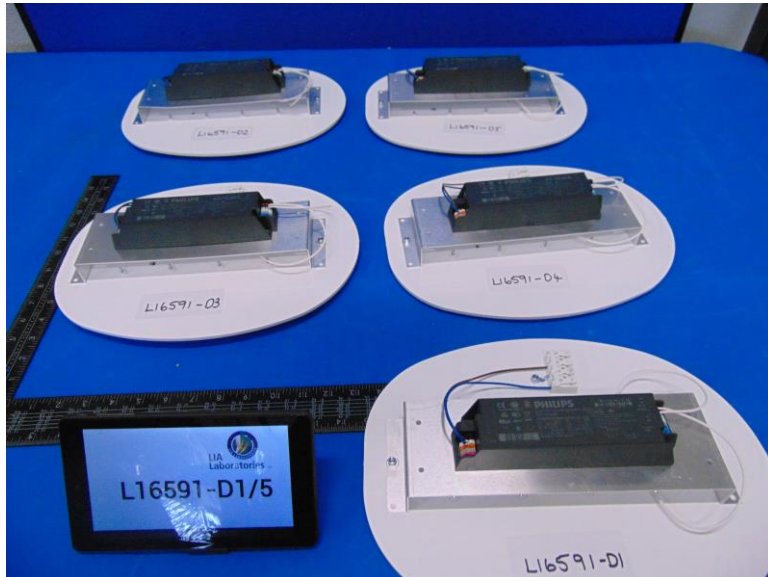


Figure 1 – Product back



Figure 2 – Product front

End