

## T e s t R e p o r t

**Report No** : L16591D

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

**Description** : Tekk Street Luminaire 36 LED

**Manufacturer** : No Disclosed

**Type/Model** : LE36A

**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 and  
Certification Officer



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## **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 36 LED
Model No.	LE36A
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.

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## **RESULTS**

**Table 2. Wattage and VA results for LE36A programmed at 350mA drive current**

Operating Mode	100%, Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	40.35	40.55	40.19	39.94	40.32
220	40.35	40.46	40.05	39.78	40.10
230	40.38	40.47	40.06	39.80	40.12
240	40.39	40.48	40.09	39.80	40.13
250	40.43	40.51	40.12	39.83	40.17
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	42.05	42.23	41.90	41.67	42.02
220	42.34	42.42	42.04	41.80	42.09
230	42.69	42.74	42.37	42.15	42.43
240	43.08	43.14	42.79	42.55	42.84
250	43.51	43.55	43.22	42.98	43.26
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.96	0.96	0.96
220	0.95	0.95	0.95	0.95	0.95
230	0.95	0.95	0.95	0.94	0.95
240	0.94	0.94	0.94	0.94	0.94
250	0.93	0.93	0.93	0.93	0.93
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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**Table 3. Wattage and VA results for LE36A programmed at 350mA drive current**

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	30.50	30.49	30.24	30.03	30.27
220	30.53	30.52	30.26	30.06	30.28
230	30.56	30.55	30.30	30.09	30.31
240	30.62	30.61	30.36	30.14	30.36
250	30.67	30.66	30.42	30.19	30.42
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	32.54	32.51	32.28	32.12	32.31
220	32.92	32.89	32.67	32.51	32.69
230	33.33	33.29	33.08	32.92	33.09
240	33.79	33.74	33.55	33.39	33.55
250	34.32	34.27	34.07	33.93	34.09
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.94	0.94	0.94	0.93	0.94
220	0.93	0.93	0.93	0.92	0.93
230	0.92	0.92	0.92	0.91	0.92
240	0.91	0.91	0.90	0.90	0.90
250	0.89	0.89	0.89	0.89	0.89
Ambient Temperature During Test (°C)			25.3		
PF Leading/Lagging			Leading		

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**Table 4. Wattage and VA results for LE36A programmed at 350mA drive current**

Operating Mode	63%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	25.10	25.05	24.80	24.60	24.83
220	25.17	25.11	24.87	24.66	24.89
230	25.25	25.18	24.95	24.74	24.95
240	25.33	25.26	25.03	24.82	25.03
250	25.41	25.35	25.11	24.89	25.11
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	27.43	27.36	27.15	26.99	27.18
220	27.87	27.78	27.39	27.44	27.62
230	28.36	28.27	28.09	27.94	28.11
240	28.90	28.81	28.63	28.30	28.65
250	29.50	29.41	29.24	29.12	29.26
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.92	0.92	0.91	0.91	0.91
220	0.90	0.90	0.91	0.90	0.90
230	0.89	0.89	0.89	0.89	0.89
240	0.88	0.88	0.87	0.88	0.87
250	0.86	0.86	0.86	0.85	0.86
Ambient Temperature During Test (°C)			25.3		
PF Leading/Lagging			Leading		

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**Table 5. Wattage and VA results for LE36A programmed at 350mA drive current**

Operating Mode	50%, Dali Code: 229				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	20.40	20.28	20.21	20.00	20.09
220	20.49	20.37	20.29	20.08	20.16
230	20.58	20.45	20.38	20.17	20.24
240	20.67	20.55	20.48	20.26	20.33
250	20.78	20.65	20.58	20.39	20.45
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	23.06	22.92	22.87	22.73	22.77
220	23.57	23.43	23.39	23.25	23.29
230	24.11	23.98	23.94	23.82	23.84
240	24.76	24.61	24.57	24.46	24.49
250	25.41	25.26	25.60	25.16	25.16
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.88	0.88	0.88	0.88	0.88
220	0.87	0.87	0.87	0.86	0.87
230	0.85	0.85	0.85	0.85	0.85
240	0.83	0.84	0.83	0.83	0.83
250	0.82	0.82	0.80	0.81	0.81
Ambient Temperature During Test (°C)			25.3		
PF Leading/Lagging			Leading		

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**Table 6. Wattage and VA results for LE36A programmed at 350mA drive current**

Operating Mode	Minimum				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.46	10.33	10.29	10.07	10.20
220	10.55	10.43	10.40	10.17	10.31
230	10.47	10.27	10.33	9.98	10.16
240	10.40	10.21	10.27	9.95	10.13
250	10.36	10.17	10.22	9.94	10.13
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.44	14.29	14.30	14.19	14.26
220	15.19	15.04	15.05	14.92	15.01
230	15.84	16.01	15.70	16.25	16.17
240	17.82	17.91	17.72	18.14	18.06
250	19.61	19.68	19.47	19.84	19.85
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.72	0.72	0.72	0.71	0.72
220	0.69	0.69	0.69	0.68	0.69
230	0.66	0.64	0.66	0.61	0.63
240	0.58	0.57	0.58	0.55	0.56
250	0.53	0.52	0.52	0.50	0.51
Ambient Temperature During Test (°C)			24.9		
PF Leading/Lagging			Leading		

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**Table 7. Wattage and VA results for LE36A programmed at 500mA drive current**

Operating Mode	100%, Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	57.23	57.35	56.75	56.42	56.83
220	57.16	57.27	56.69	56.36	56.77
230	57.18	57.22	56.64	56.31	56.72
240	57.05	57.16	56.61	58.32	58.70
250	57.03	57.13	56.58	58.64	59.01
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	58.57	58.67	58.10	57.78	58.16
220	58.73	58.82	58.27	57.96	58.33
230	58.95	59.03	58.47	58.17	58.55
240	59.18	59.26	58.76	56.15	56.57
250	59.47	59.54	59.04	56.14	56.56
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.98	0.98	0.98	0.98	0.98
220	0.97	0.97	0.97	0.97	0.97
230	0.97	0.97	0.97	0.97	0.97
240	0.96	0.96	0.96	1.04	1.04
250	0.96	0.96	0.96	1.04	1.04
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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**Table 8. Wattage and VA results for LE36A programmed at 500mA drive current**

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	42.55	42.52	42.23	42.05	42.32
220	42.57	42.54	42.25	42.07	42.34
230	42.62	42.58	42.30	42.11	42.37
240	42.70	42.66	42.38	42.19	42.44
250	42.77	42.72	42.45	42.25	42.49
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	44.18	44.13	43.86	43.72	43.95
220	44.47	44.43	44.17	44.01	44.24
230	44.82	44.76	44.50	44.36	44.58
240	45.26	45.19	44.95	44.82	45.01
250	45.70	45.63	45.40	45.26	45.44
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.96	0.96	0.96
220	0.96	0.96	0.96	0.96	0.96
230	0.95	0.95	0.95	0.95	0.95
240	0.94	0.94	0.94	0.94	0.94
250	0.94	0.94	0.94	0.93	0.94
Ambient Temperature During Test (°C)			25.8		
PF Leading/Lagging			Leading		

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**Table 9. Wattage and VA results for LE36A programmed at 500mA drive current**

Operating Mode	50%, Dali Code: 228				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	27.91	27.79	27.69	27.39	27.30
220	27.85	27.75	27.62	27.35	27.46
230	27.89	27.91	27.64	27.39	27.62
240	27.92	27.95	27.68	27.45	27.67
250	28.11	28.00	27.74	27.50	27.73
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	30.11	29.96	29.88	29.62	29.70
220	30.47	30.28	30.18	29.96	30.02
230	30.91	30.82	30.58	30.39	30.57
240	31.29	31.28	31.07	30.91	31.07
250	31.95	31.81	31.61	31.45	31.62
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.93	0.93	0.93	0.92	0.92
220	0.91	0.92	0.92	0.91	0.91
230	0.90	0.91	0.90	0.90	0.90
240	0.89	0.89	0.89	0.89	0.89
250	0.88	0.88	0.88	0.87	0.88
Ambient Temperature During Test (°C)			24.8		
PF Leading/Lagging			Leading		

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**Table 10. Wattage and VA results for LE36A programmed at 500mA drive current**

Operating Mode	25%, Dali Code: 202				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	14.34	14.30	14.22	14.00	14.14
220	14.44	14.39	14.31	14.09	14.23
230	14.55	14.50	14.43	14.20	14.31
240	14.67	14.61	14.55	14.30	14.42
250	14.77	14.51	14.66	14.19	14.29
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	17.63	17.56	17.54	17.40	17.49
220	18.23	18.17	18.13	18.01	18.08
230	18.90	18.83	18.82	18.71	18.76
240	19.65	19.63	19.53	19.54	19.60
250	20.50	20.54	20.43	20.41	20.60
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.81	0.81	0.81	0.80	0.81
220	0.79	0.79	0.79	0.78	0.79
230	0.77	0.77	0.77	0.76	0.76
240	0.75	0.74	0.75	0.73	0.74
250	0.72	0.71	0.72	0.70	0.69
Ambient Temperature During Test (°C)			25.2		
PF Leading/Lagging			Leading		

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**Table 11. Wattage and VA results for LE36A programmed at 500mA drive current**

Operating Mode	Minimum				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.39	10.27	10.24	10.03	10.16
220	10.49	10.37	10.34	10.13	10.25
230	10.42	10.22	10.27	9.92	10.07
240	10.35	10.17	10.22	9.90	10.01
250	10.32	10.13	10.18	9.89	9.98
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.34	14.22	14.24	14.14	14.21
220	15.12	14.97	14.97	14.88	14.93
230	15.68	15.94	15.64	16.18	16.06
240	17.73	17.88	17.67	17.97	17.95
250	19.52	19.65	19.42	19.58	19.69
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.72	0.72	0.72	0.71	0.71
220	0.69	0.69	0.69	0.68	0.69
230	0.66	0.64	0.66	0.61	0.63
240	0.58	0.57	0.58	0.55	0.56
250	0.53	0.52	0.52	0.51	0.51
Ambient Temperature During Test (°C)			25.6		
PF Leading/Lagging			Leading		

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**Table 12. Wattage and VA results for LE36A programmed at 565mA drive current**

Operating Mode	100%, Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	64.49	64.62	63.94	63.46	63.90
220	64.29	64.42	63.75	63.39	63.83
230	64.25	64.37	63.68	63.28	63.71
240	64.18	64.30	63.65	63.20	63.62
250	64.15	64.28	63.62	63.14	63.57
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	65.73	65.85	65.19	64.72	65.13
220	65.75	65.86	65.21	64.86	65.27
230	65.94	66.04	65.38	65.00	65.40
240	66.14	66.24	65.62	65.20	65.58
250	66.43	66.51	65.90	65.45	65.85
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	0.97	0.97	0.97	0.97
240	0.97	0.97	0.97	0.97	0.97
250	0.97	0.97	0.97	0.96	0.97
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

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**Table 13. Wattage and VA results for LE36A programmed at 565mA drive current**

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	47.12	47.10	46.64	46.44	46.89
220	47.15	47.13	46.67	46.47	46.91
230	47.06	47.16	46.70	46.50	46.93
240	47.11	47.21	46.76	46.54	46.98
250	47.16	47.25	46.80	46.58	47.01
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	48.66	48.61	48.17	47.98	48.40
220	48.94	48.89	48.45	48.29	48.68
230	49.12	49.20	48.78	48.60	48.99
240	49.49	49.56	49.15	48.98	49.36
250	49.93	49.99	49.59	49.42	49.78
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.97	0.97	0.97	0.97	0.97
220	0.96	0.96	0.96	0.96	0.96
230	0.96	0.96	0.96	0.96	0.96
240	0.95	0.95	0.95	0.95	0.95
250	0.94	0.95	0.94	0.94	0.94
Ambient Temperature During Test (°C)			26.4		
PF Leading/Lagging			Leading		

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**Table 14. Wattage and VA results for LE36A programmed at 565mA drive current**

Operating Mode	50%, Dali Code: 228				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	31.89	31.88	31.56	31.44	31.70
220	31.95	31.94	31.62	31.50	31.75
230	32.01	32.00	31.68	31.49	31.81
240	32.08	32.07	31.75	31.55	31.87
250	32.15	32.13	31.82	31.62	31.93
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	33.87	33.84	33.55	33.45	33.68
220	34.29	34.25	33.97	33.88	34.10
230	34.70	34.65	34.38	34.24	34.50
240	35.15	35.10	34.84	34.71	34.96
250	35.67	35.62	35.37	35.24	35.49
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.94	0.94	0.94	0.94	0.94
220	0.93	0.93	0.93	0.93	0.93
230	0.92	0.92	0.92	0.92	0.92
240	0.91	0.91	0.91	0.91	0.91
250	0.90	0.90	0.90	0.90	0.90
Ambient Temperature During Test (°C)			25.9		
PF Leading/Lagging			Leading		

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**Table 15. Wattage and VA results for LE36A programmed at 565mA drive current**

Operating Mode	25%, Dali Code: 203				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	15.85	15.71	15.71	15.51	15.56
220	15.93	15.79	15.80	15.60	15.64
230	16.04	15.89	15.90	15.70	15.74
240	16.14	16.00	16.01	15.80	15.84
250	16.25	16.09	16.12	15.89	15.93
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	18.94	18.74	18.82	18.70	18.71
220	19.52	19.37	19.40	19.31	19.31
230	20.13	19.97	20.02	19.93	19.92
240	20.91	20.70	20.74	20.67	20.66
250	21.57	21.60	21.44	21.54	21.56
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.84	0.84	0.83	0.83	0.83
220	0.82	0.82	0.81	0.81	0.81
230	0.80	0.80	0.79	0.79	0.79
240	0.77	0.77	0.77	0.76	0.77
250	0.75	0.74	0.75	0.74	0.74
Ambient Temperature During Test (°C)			25.6		
PF Leading/Lagging			Leading		

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**Table 16. Wattage and VA results for LE36A programmed at 565mA drive current**

Operating Mode	Minimum				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.37	10.26	10.23	10.03	10.16
220	10.47	10.36	10.33	10.13	10.25
230	10.40	10.20	10.25	9.92	10.06
240	10.33	10.15	10.20	9.90	10.01
250	10.30	10.12	10.16	9.88	9.97
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.32	14.20	14.22	14.14	14.21
220	15.10	14.95	14.95	14.88	14.94
230	15.65	15.93	15.61	16.18	16.06
240	17.68	17.84	17.64	17.93	17.95
250	19.48	19.60	19.43	19.53	19.67
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.72	0.72	0.72	0.71	0.71
220	0.69	0.69	0.69	0.68	0.69
230	0.66	0.64	0.66	0.61	0.63
240	0.58	0.57	0.58	0.55	0.56
250	0.53	0.52	0.52	0.51	0.51
Ambient Temperature During Test (°C)			25.6		
PF Leading/Lagging			Leading		

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**Table 17. Wattage and VA results for LE36A programmed at 700mA drive current**

Operating Mode	100%. Dali Code: 254				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	81.56	81.35	80.57	79.77	80.44
220	81.30	81.11	80.34	79.42	80.06
230	81.10	80.82	80.12	79.32	80.01
240	80.89	80.73	79.98	79.20	79.87
250	80.68	80.52	79.78	79.13	79.81
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	82.62	82.41	81.63	80.85	81.50
220	82.55	82.35	81.60	80.68	81.30
230	82.55	82.36	81.59	80.80	81.45
240	82.59	82.40	81.67	80.92	81.56
250	82.64	82.45	81.75	81.11	81.76
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.99	0.99	0.99	0.99	0.99
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	0.98
250	0.98	0.98	0.98	0.98	0.98
Ambient Temperature During Test (°C)			25		
PF Leading/Lagging			Leading		

Continued on following page

**Table 18. Wattage and VA results for LE36A programmed at 700mA drive current**

Operating Mode	75%, Dali Code: 243				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	60.72	60.57	60.07	60.04	60.30
220	60.66	60.51	60.02	59.99	60.24
230	60.62	60.47	59.98	59.96	60.21
240	60.61	60.45	59.97	59.94	60.19
250	60.60	60.44	59.96	59.92	60.18
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	61.98	61.82	61.35	61.33	61.56
220	62.15	61.89	61.52	61.51	61.73
230	62.37	62.19	61.74	61.73	61.94
240	62.63	62.45	62.00	62.00	62.21
250	62.93	62.73	62.30	62.29	62.50
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	0.97	0.97	0.97	0.97
240	0.97	0.97	0.97	0.97	0.97
250	0.96	0.96	0.96	0.96	0.96
Ambient Temperature During Test (°C)			26.5		
PF Leading/Lagging			Leading		

Continued on following page

**Table 19. Wattage and VA results for LE36A programmed at 700mA drive current**

Operating Mode	50%, Dali Code: 228				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	40.02	39.92	39.57	39.54	39.70
220	40.06	39.96	39.61	39.57	39.73
230	40.12	40.02	39.67	39.63	39.78
240	40.20	40.09	39.74	39.71	39.85
250	40.28	40.18	39.83	39.77	39.92
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	41.70	41.66	41.28	41.27	41.40
220	42.03	41.91	41.60	41.59	41.71
230	42.41	42.29	41.98	41.97	42.08
240	42.86	42.74	42.43	42.44	42.53
250	43.32	43.18	42.89	42.89	42.98
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.96	0.96	0.96
220	0.95	0.95	0.95	0.95	0.95
230	0.95	0.95	0.94	0.94	0.95
240	0.94	0.94	0.94	0.94	0.94
250	0.93	0.93	0.93	0.93	0.93
Ambient Temperature During Test (°C)			26.1		
PF Leading/Lagging			Leading		

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**Table 20. Wattage and VA results for LE36A programmed at 700mA drive current**

Operating Mode	25%, Dali Code: 204				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	18.86	18.80	18.69	18.51	18.62
220	18.94	18.89	18.77	18.59	18.71
230	19.03	18.98	18.87	18.68	18.79
240	19.14	19.08	18.97	18.78	18.89
250	19.26	19.19	19.10	18.89	18.99
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	21.63	21.55	21.48	21.37	21.44
220	22.15	22.08	22.01	21.91	21.96
230	22.74	22.66	22.61	22.52	22.56
240	23.37	23.29	23.24	23.15	23.20
250	24.54	24.00	24.01	23.92	23.94
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.87	0.87	0.87	0.87	0.87
220	0.86	0.86	0.85	0.85	0.85
230	0.84	0.84	0.83	0.83	0.83
240	0.82	0.82	0.82	0.81	0.81
250	0.78	0.80	0.80	0.79	0.79
Ambient Temperature During Test (°C)			25.7		
PF Leading/Lagging			Leading		

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**Table 21. Wattage and VA results for LE36A programmed at 700mA drive current**

Operating Mode	Minimum				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.31	10.21	10.18	9.98	10.12
220	10.40	10.30	10.27	10.07	10.21
230	10.30	10.12	10.16	9.86	9.99
240	10.23	10.06	10.10	9.82	9.93
250	10.18	10.00	10.05	9.79	9.88
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.27	14.16	14.17	14.10	14.17
220	15.05	14.90	14.89	14.84	14.89
230	15.61	15.89	15.56	16.05	16.02
240	17.63	17.77	17.59	17.79	17.86
250	19.44	19.60	19.33	19.42	19.52
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.72	0.72	0.72	0.71	0.71
220	0.69	0.69	0.69	0.68	0.69
230	0.66	0.64	0.65	0.61	0.62
240	0.58	0.57	0.57	0.55	0.56
250	0.52	0.51	0.52	0.50	0.51
Ambient Temperature During Test (°C)			25.7		
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 image***

**End**