

T e s t R e p o r t

Report No : L15753
Client: : TRT Lighting Ltd
Unit 1, Target Park
Shawbank Road
Redditch,
B98 8YN
Description : Aspect Eco
Manufacturer : TRT Lighting Ltd
Type/Model : Refer to body of report
Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 14.0 (17/12/2014)
Date Testing Started : 15/04/2016
Conclusion : Refer to body of report
Date of Issue : 18/04/2016
Date of Expiry : 17/04/2021

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



Approved by: T.MALIK
Position: Quality & Operations
Manager



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INTRODUCTION

The products identified in Tables 1, 14, and 27, were tested at the premises of TRT Lighting Ltd for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 14.0 (17/12/2014).

PRODUCT 1 DETAILS

Table 1. Test Sample Details

Product Description	Aspect Eco 1 - Standby to 27W
Model No.	Aspect Eco 1
Number of Samples	Five
Condition of Samples	Good
Nominal Dimensions	535mm x 220mm x 205mm
Product Supply Requirement	230V AC 50Hz
Lamp Type and Power	LED / Variable power
Sampling Method: Test samples randomly selected by client.	

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

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PRODUCT 1 RESULTS

Table 2. Wattage and VA results for model - Aspect Eco 1

Operating Mode	700mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	26.85	26.80	26.92	26.85	26.96
220	26.88	26.82	26.95	26.85	26.98
230	26.90	26.85	26.99	26.87	27.03
240	26.96	26.93	27.04	26.93	27.04
250	27.03	27.01	27.10	27.01	27.15
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	27.64	27.60	27.71	27.61	27.78
220	27.95	27.80	27.95	27.86	28.03
230	28.25	28.14	28.39	28.15	28.36
240	28.65	28.48	28.62	28.54	28.76
250	29.13	28.97	29.18	28.95	29.07
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	0.95	0.95	0.95	0.95	0.95
240	0.94	0.95	0.94	0.94	0.94
250	0.93	0.93	0.93	0.93	0.93
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 3. Wattage and VA results for model - Aspect Eco 1

Operating Mode	650mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	25.07	24.88	25.08	24.92	25.09
220	25.10	24.92	25.15	24.97	25.11
230	25.10	24.99	25.22	25.04	25.17
240	25.14	25.06	25.30	25.12	25.25
250	25.20	25.14	25.37	25.17	25.33
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	25.90	25.69	25.92	25.76	25.87
220	26.20	25.94	26.14	25.99	26.16
230	26.46	26.35	26.41	26.34	26.53
240	26.90	26.65	26.87	26.73	26.90
250	27.30	27.12	27.38	27.25	27.35
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	0.95	0.95	0.95	0.95	0.95
240	0.93	0.94	0.94	0.94	0.94
250	0.92	0.93	0.93	0.92	0.93
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 4. Wattage and VA results for model - Aspect Eco 1

Operating Mode	600mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	23.25	23.11	23.27	23.13	23.29
220	23.26	23.14	23.31	23.16	23.32
230	23.30	23.18	23.35	23.20	23.37
240	23.40	23.25	23.44	23.27	23.46
250	23.48	23.36	23.50	23.35	23.52
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	24.16	23.99	24.10	24.05	24.20
220	24.45	24.24	24.38	24.31	24.51
230	24.83	24.60	24.76	24.59	24.80
240	25.30	25.09	25.19	25.05	25.26
250	25.77	25.55	25.58	25.56	25.83
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.97	0.96	0.96
220	0.95	0.95	0.96	0.95	0.95
230	0.94	0.94	0.94	0.94	0.94
240	0.92	0.93	0.93	0.93	0.93
250	0.91	0.91	0.92	0.91	0.91
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 5. Wattage and VA results for model - Aspect Eco 1

Operating Mode	550mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	21.44	21.33	21.45	21.33	21.45
220	21.43	21.37	21.50	21.34	21.48
230	21.48	21.43	21.54	21.41	21.52
240	21.55	21.48	21.64	21.48	21.61
250	21.64	21.57	21.72	21.57	21.69
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	22.50	22.36	22.44	22.34	22.49
220	22.74	22.67	22.77	22.64	22.79
230	23.16	23.07	23.08	23.10	23.16
240	23.64	23.53	23.58	23.42	23.65
250	24.18	24.00	24.07	23.97	24.15
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.95	0.95	0.96	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	0.91	0.91	0.92	0.92	0.91
250	0.89	0.90	0.90	0.90	0.90
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 6. Wattage and VA results for model - Aspect Eco 1

Operating Mode	500mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	19.61	19.49	19.64	19.54	19.64
220	19.67	19.55	19.70	19.62	19.68
230	19.73	19.62	19.77	19.69	19.76
240	19.79	19.69	19.85	19.76	19.82
250	19.89	19.78	19.96	19.82	19.92
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	20.86	20.71	20.85	20.78	20.90
220	21.30	21.07	21.15	21.18	21.17
230	21.68	21.48	21.55	21.60	21.66
240	22.08	22.00	22.01	22.05	22.08
250	22.77	22.48	22.67	22.58	22.69
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.94	0.94	0.94	0.94	0.94
220	0.92	0.93	0.93	0.93	0.93
230	0.91	0.91	0.92	0.91	0.91
240	0.90	0.90	0.90	0.90	0.90
250	0.87	0.88	0.88	0.88	0.88
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 7. Wattage and VA results for model - Aspect Eco 1

Operating Mode	450mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	17.85	17.75	17.87	17.79	17.83
220	17.95	17.84	17.94	17.86	17.90
230	18.03	17.90	18.01	17.94	17.98
240	18.14	18.00	18.11	17.97	18.06
250	18.14	18.09	18.23	18.05	18.13
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	19.35	19.17	19.24	19.24	19.22
220	19.73	19.54	19.60	19.57	19.62
230	20.25	19.99	20.09	20.07	20.03
240	20.80	20.54	20.56	20.54	20.58
250	21.12	21.05	21.15	21.12	21.18
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.92	0.93	0.93	0.92	0.93
220	0.91	0.91	0.92	0.91	0.91
230	0.89	0.90	0.90	0.89	0.90
240	0.87	0.88	0.88	0.87	0.88
250	0.86	0.86	0.86	0.85	0.86
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 8. Wattage and VA results for model - Aspect Eco 1

Operating Mode	400mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	16.04	15.92	16.08	16.00	16.05
220	16.09	16.03	16.15	16.08	16.11
230	16.18	16.14	16.25	16.15	16.18
240	16.26	16.20	16.32	16.27	16.27
250	16.35	16.30	16.42	16.32	16.38
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	17.72	17.57	17.69	17.61	17.70
220	18.09	17.97	18.09	18.04	18.06
230	18.64	18.50	18.51	18.50	18.48
240	19.20	18.99	19.02	18.98	19.08
250	19.73	19.60	19.57	19.60	19.66
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.91	0.91	0.91	0.91	0.91
220	0.89	0.89	0.89	0.89	0.89
230	0.87	0.87	0.88	0.87	0.88
240	0.85	0.85	0.86	0.86	0.85
250	0.83	0.83	0.84	0.83	0.83
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 9. Wattage and VA results for model - Aspect Eco 1

Operating Mode	350mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	14.25	14.26	14.34	14.29	14.33
220	14.32	14.34	14.42	14.38	14.40
230	14.40	14.42	14.50	14.45	14.50
240	14.49	14.49	14.60	14.57	14.58
250	14.60	14.58	14.70	14.67	14.69
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	16.19	16.05	16.15	16.15	16.18
220	16.64	16.51	16.62	16.59	16.59
230	17.08	17.07	17.05	17.06	17.17
240	17.72	17.63	17.67	17.62	17.65
250	18.35	18.23	18.23	18.21	18.34
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.88	0.89	0.89	0.88	0.89
220	0.86	0.87	0.87	0.87	0.87
230	0.84	0.84	0.85	0.85	0.84
240	0.82	0.82	0.83	0.83	0.83
250	0.80	0.80	0.81	0.81	0.80
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 10 Wattage and VA results for model - Aspect Eco 1

Operating Mode	300mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	12.57	12.57	12.65	12.53	12.58
220	12.67	12.63	12.72	12.59	12.67
230	12.75	12.72	12.81	12.68	12.75
240	12.84	12.80	12.92	12.77	12.84
250	12.95	12.91	13.01	12.88	12.94
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.64	14.60	14.63	14.62	14.68
220	15.20	15.06	15.06	15.01	15.11
230	15.68	15.60	15.62	15.57	15.70
240	16.03	16.12	16.24	16.12	16.25
250	16.92	16.80	16.81	16.80	16.89
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.86	0.86	0.86	0.86	0.86
220	0.83	0.84	0.84	0.84	0.84
230	0.81	0.82	0.82	0.81	0.81
240	0.80	0.79	0.80	0.79	0.79
250	0.77	0.77	0.77	0.77	0.77
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 11. Wattage and VA results for model - Aspect Eco 1

Operating Mode	250mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	10.93	10.98	10.92	10.92	10.89
220	11.06	11.06	11.02	11.01	10.96
230	11.15	11.15	11.15	11.12	11.05
240	11.28	11.13	11.26	11.09	11.14
250	11.35	11.17	11.32	11.13	11.22
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	13.32	13.30	13.19	13.29	13.22
220	13.88	13.76	13.66	13.72	13.67
230	14.37	14.33	14.27	14.29	14.22
240	15.07	14.79	14.89	14.80	14.80
250	15.34	15.05	15.20	15.07	15.17
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.82	0.83	0.83	0.82	0.82
220	0.80	0.80	0.81	0.80	0.80
230	0.78	0.78	0.78	0.78	0.78
240	0.75	0.75	0.76	0.75	0.75
250	0.74	0.74	0.74	0.74	0.74
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 12. Wattage and VA results for model - Aspect Eco 1

Operating Mode	200mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	9.19	9.20	9.24	9.20	9.23
220	9.28	9.19	9.34	9.32	9.35
230	9.38	9.30	9.45	9.43	9.47
240	9.47	9.38	9.55	9.42	9.55
250	9.51	9.41	9.59	9.45	9.59
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	11.87	11.85	11.81	11.83	11.86
220	12.40	12.22	12.33	12.38	12.40
230	13.01	12.76	12.87	12.96	13.00
240	13.22	12.97	13.14	13.00	13.22
250	13.63	13.37	13.51	13.42	13.62
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.77	0.78	0.78	0.78	0.78
220	0.75	0.75	0.76	0.75	0.75
230	0.72	0.73	0.73	0.73	0.73
240	0.72	0.72	0.73	0.72	0.72
250	0.70	0.70	0.71	0.70	0.70
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 13. Wattage and VA results for model - Aspect Eco 1

Operating Mode	Standby				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	0.85	0.85	0.86	0.86	0.85
220	0.89	0.89	0.90	0.90	0.89
230	0.94	0.93	0.94	0.94	0.93
240	0.98	0.97	0.98	0.98	0.97
250	1.03	1.02	1.04	1.03	1.02
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	5.26	5.16	5.18	5.23	5.25
220	5.72	5.63	5.65	5.63	5.74
230	6.25	6.13	6.15	6.18	6.25
240	6.76	6.63	6.64	6.70	6.73
250	7.36	7.22	7.24	7.25	7.36
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.16	0.16	0.17	0.16	0.16
220	0.16	0.16	0.16	0.16	0.16
230	0.15	0.15	0.15	0.15	0.15
240	0.14	0.15	0.15	0.15	0.14
250	0.14	0.14	0.14	0.14	0.14
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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PRODUCT 2 DETAILS

Table 14. Test Sample Details

Product Description	Aspect Eco 2 - Standby to 51W
Model No.	Aspect Eco 2
Number of Samples	Five
Condition of Samples	Good
Nominal Dimensions	535mm × 220mm × 205mm
Product Supply Requirement	230V AC 50Hz
Lamp Type and Power	LED / Variable power
Sampling Method: Test samples randomly selected by client.	

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

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PRODUCT 2 RESULTS

Table 15. Wattage and VA results for model - Aspect Eco 2

Operating Mode	700mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	51.36	51.38	51.22	51.35	51.21
220	51.18	51.35	51.21	51.33	51.12
230	51.04	51.31	51.20	51.31	51.14
240	51.03	51.32	51.23	51.30	51.12
250	51.00	51.34	51.24	51.38	51.15
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	52.11	52.10	51.86	52.07	51.80
220	52.02	52.14	51.95	52.15	51.86
230	52.14	52.28	52.11	52.36	52.01
240	52.34	52.46	52.40	52.28	52.31
250	52.60	52.93	52.61	52.81	52.47
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	0.99	0.98	0.99
230	0.98	0.98	0.98	0.98	0.98
240	0.97	0.98	0.98	0.98	0.98
250	0.97	0.97	0.97	0.97	0.97
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 16. Wattage and VA results for model - Aspect Eco 2

Operating Mode	650mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	47.56	47.69	47.70	47.73	47.61
220	47.59	47.69	47.66	47.75	47.60
230	47.57	47.66	47.66	47.77	47.61
240	47.56	47.68	47.66	47.83	47.57
250	47.51	47.91	47.68	47.81	47.60
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	48.34	48.36	48.34	48.42	48.20
220	48.52	48.61	48.47	48.60	48.35
230	48.71	48.81	48.60	48.78	48.54
240	48.87	48.94	48.81	49.07	48.70
250	49.20	49.60	49.20	49.30	49.13
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.98	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	0.97	0.97	0.98	0.97	0.98
250	0.97	0.97	0.97	0.97	0.97
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 87. Wattage and VA results for model - Aspect Eco 2

Operating Mode	600mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	44.14	44.27	44.07	44.29	44.26
220	44.16	44.26	44.14	44.28	44.23
230	44.14	44.27	44.16	44.25	44.18
240	44.14	44.27	44.17	44.26	44.15
250	44.18	44.28	44.19	44.42	44.17
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	45.01	45.13	44.78	45.00	44.98
220	45.22	45.27	45.03	45.20	45.06
230	45.46	45.54	45.28	45.42	45.26
240	45.77	45.90	45.56	45.70	45.56
250	46.15	46.20	45.89	46.09	45.95
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	0.98	0.97	0.98
240	0.96	0.96	0.97	0.97	0.97
250	0.96	0.96	0.96	0.96	0.96
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 98. Wattage and VA results for model - Aspect Eco 2

Operating Mode	550mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	40.51	40.76	40.63	40.77	40.59
220	40.64	40.75	40.67	40.81	40.59
230	40.64	40.75	40.66	40.77	40.59
240	40.66	40.76	40.65	40.77	40.83
250	40.67	40.75	40.61	40.80	40.88
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	41.50	41.70	41.48	41.64	41.45
220	41.86	42.05	41.78	41.88	41.81
230	42.16	42.22	42.02	42.15	41.90
240	42.54	42.68	42.36	42.49	42.53
250	42.95	43.10	42.72	42.84	42.94
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	0.96	0.97	0.97	0.97	0.97
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)			25.0		
PF Leading/Lagging			Leading		

Continued on following page

Table 109. Wattage and VA results for model - Aspect Eco 2

Operating Mode	500mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	37.08	37.31	37.06	37.18	37.02
220	37.08	37.27	37.17	37.19	37.04
230	37.06	37.28	37.15	37.21	37.13
240	37.08	37.28	37.17	37.26	37.16
250	37.13	37.35	37.19	37.27	37.20
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	38.29	38.50	38.19	38.24	38.11
220	38.50	38.75	38.49	38.53	38.37
230	38.81	39.09	38.76	38.83	38.79
240	39.26	39.50	39.21	39.24	39.10
250	39.76	40.01	39.56	39.73	39.60
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	0.97	0.97	0.97
230	0.95	0.95	0.96	0.96	0.96
240	0.94	0.94	0.95	0.95	0.95
250	0.93	0.93	0.94	0.94	0.94
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

Continued on following page

Table 20. Wattage and VA results for model - Aspect Eco 2

Operating Mode	450mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	33.55	33.67	33.48	33.67	33.57
220	33.58	33.69	33.48	33.66	33.58
230	33.60	33.71	33.50	33.67	33.59
240	33.66	33.55	33.56	33.70	33.65
250	33.71	33.63	33.63	33.77	33.70
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	34.90	35.00	34.72	34.92	34.78
220	35.27	35.33	34.98	35.22	35.11
230	35.71	35.69	35.37	35.53	35.44
240	36.16	36.01	35.88	36.00	35.94
250	36.65	36.59	36.40	36.54	36.46
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.96	0.96	0.97
220	0.95	0.95	0.96	0.96	0.96
230	0.94	0.94	0.95	0.95	0.95
240	0.93	0.93	0.94	0.94	0.94
250	0.92	0.92	0.92	0.92	0.92
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

Continued on following page

Table 21. Wattage and VA results for model - Aspect Eco 2

Operating Mode	400mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	30.02	30.20	30.02	30.19	30.09
220	30.04	30.22	30.02	30.21	30.13
230	30.07	30.25	30.05	30.27	30.15
240	30.20	30.28	30.20	30.31	30.21
250	30.25	30.37	30.18	30.40	30.24
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	31.33	31.42	31.20	31.33	31.23
220	31.70	31.74	31.57	31.68	31.55
230	32.10	32.25	32.01	32.07	32.00
240	32.70	32.70	32.43	32.59	32.38
250	33.30	33.30	33.03	33.09	32.98
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	0.94	0.94	0.94	0.94	0.94
240	0.92	0.93	0.93	0.93	0.93
250	0.91	0.91	0.91	0.92	0.92
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 22. Wattage and VA results for model - Aspect Eco 2

Operating Mode	350mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	26.58	26.70	26.62	26.77	26.66
220	26.60	26.72	26.67	26.81	26.71
230	26.66	26.77	26.70	26.85	26.77
240	26.72	26.83	26.77	26.91	26.82
250	26.79	26.90	26.84	26.97	26.88
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	27.85	27.91	27.75	27.90	27.80
220	28.25	28.31	28.16	28.23	28.13
230	28.66	28.74	28.59	28.70	28.61
240	29.23	29.35	29.09	29.19	29.09
250	29.99	30.06	29.68	29.78	29.69
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.95	0.96	0.96	0.96	0.96
220	0.94	0.94	0.95	0.95	0.95
230	0.93	0.93	0.93	0.94	0.94
240	0.91	0.91	0.92	0.92	0.92
250	0.89	0.89	0.90	0.91	0.91
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 23. Wattage and VA results for model - Aspect Eco 2

Operating Mode	300mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	23.20	23.28	23.18	23.33	23.19
220	23.25	23.32	23.23	23.37	23.26
230	23.31	23.37	23.28	23.44	23.32
240	23.39	23.45	23.35	23.50	23.39
250	23.44	23.52	23.42	23.59	23.45
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	24.47	24.54	24.32	24.46	24.39
220	24.93	24.98	24.82	24.83	24.84
230	25.46	25.53	25.23	25.35	25.24
240	26.14	26.20	25.87	25.95	25.88
250	26.77	26.88	26.52	26.65	26.48
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.95	0.95	0.95	0.95	0.95
220	0.93	0.93	0.94	0.94	0.94
230	0.92	0.92	0.92	0.92	0.92
240	0.89	0.90	0.90	0.91	0.90
250	0.88	0.88	0.88	0.89	0.89
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

Continued on following page

Table 24. Wattage and VA results for model - Aspect Eco 2

Operating Mode	250mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	19.73	19.85	19.75	19.92	19.85
220	19.82	19.92	19.81	19.98	19.90
230	19.87	19.97	19.89	20.05	19.96
240	19.94	20.04	19.95	20.11	20.06
250	20.02	20.13	20.05	20.19	20.12
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	21.18	21.29	21.12	21.18	21.11
220	21.75	21.79	21.60	21.67	21.60
230	22.32	22.43	22.12	22.22	22.10
240	23.05	23.08	22.83	22.90	22.82
250	23.76	24.01	23.68	23.63	23.60
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.93	0.93	0.94	0.94	0.94
220	0.91	0.91	0.92	0.92	0.92
230	0.89	0.89	0.90	0.90	0.90
240	0.87	0.87	0.87	0.88	0.88
250	0.84	0.84	0.85	0.85	0.85
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

Continued on following page

Table 115. Wattage and VA results for model - Aspect Eco 2

Operating Mode	200mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	16.45	16.44	16.40	16.59	16.40
220	16.51	16.49	16.48	16.61	16.46
230	16.58	16.56	16.56	16.68	16.54
240	16.65	16.66	16.65	16.76	16.65
250	16.76	16.77	16.78	16.83	16.75
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	18.78	18.68	18.47	18.58	18.42
220	19.32	19.27	19.10	19.13	18.99
230	20.02	20.04	19.80	19.82	19.68
240	20.87	20.89	20.61	20.59	20.53
250	21.73	21.75	21.53	21.39	21.34
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.88	0.88	0.89	0.89	0.89
220	0.85	0.86	0.86	0.87	0.87
230	0.83	0.83	0.84	0.84	0.84
240	0.80	0.80	0.81	0.81	0.81
250	0.77	0.77	0.78	0.79	0.78
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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Table 26. Wattage and VA results for model - Aspect Eco 2

Operating Mode	Standby				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	0.45	0.45	0.45	0.45	0.45
220	0.47	0.47	0.47	0.47	0.47
230	0.48	0.48	0.48	0.48	0.48
240	0.50	0.50	0.50	0.50	0.50
250	0.52	0.53	0.52	0.52	0.52
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	7.41	7.44	7.32	7.30	7.33
220	8.12	8.15	8.00	8.00	8.00
230	8.84	8.89	8.79	8.72	8.81
240	9.60	9.64	9.57	9.48	9.53
250	10.43	10.48	10.37	10.29	10.32
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.06	0.06	0.06	0.06	0.06
220	0.06	0.06	0.06	0.06	0.06
230	0.05	0.05	0.05	0.06	0.05
240	0.05	0.05	0.05	0.05	0.05
250	0.05	0.05	0.05	0.05	0.05
Ambient Temperature During Test (°C)			25.0		
PF Leading/Lagging			Leading		

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PRODUCT 3 DETAILS

Table 127. Test Sample Details

Product Description	Aspect 3 95W
Model No.	Aspect 3
Number of Samples	Five
Condition of Samples	Good
Nominal Dimensions	670mm × 360mm × 205mm
Product Supply Requirement	230V AC 50Hz
Lamp Type and Power	LED / Variable power
Sampling Method: Test samples randomly selected by client.	

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

Continued on following page

PRODUCT 3 RESULTS

Table 138. Wattage and VA results for model - Aspect 3

Operating Mode	250mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	49.64	50.31	50.35	50.37	50.22
220	49.75	50.41	50.47	50.50	50.20
230	49.85	50.52	50.58	50.61	50.30
240	50.00	50.66	50.73	50.75	50.32
250	50.17	50.81	50.88	50.93	50.48
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	52.58	53.32	53.36	53.33	53.24
220	53.10	53.84	53.94	53.86	53.61
230	53.71	54.44	54.47	54.43	54.23
240	54.35	55.13	55.18	55.08	54.78
250	55.07	55.81	55.86	55.84	55.48
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.94	0.94	0.94	0.94	0.94
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	0.91	0.91	0.91	0.91	0.91
Ambient Temperature During Test (°C)			25.0		
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;

The expanded uncertainties for active power (W) measurement readouts are approximately $\pm 0.6\%$ for low power (up to 20W) and $\pm 0.4\%$ (above 20W) using To5090 N4L Power Meter.

The expanded uncertainties for apparent power (VA) measurements are approximately $\pm 1.2\%$ for low power (up to 20W) and $\pm 0.4\%$ (above 20W) using To5090 N4L Power Meter.

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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ILLUSTRATIONS



Figure 1. Product image for model – Aspect Eco 1



Figure 2. Product image for model – Aspect Eco 2

Continued on following page

This page is to be read in conjunction with the first page of this report



Figure 3. Product image for model – Aspect Eco 3

END