





Test Report

Report No : L13584
Client: : TRT Lighting, Unit 1, Target Park
Shawbank Road, lakeside, Redditch, B98 8YN
Description : Class I LED street lighting luminaire
Manufacturer : TRT Lighting
Classification : Class I, IP65, fixed luminaire
Type/Model : Aspect 1, Aspect 2, Aspect 3
Lamp Type : LED
Condition on Receipt : Testing conducted on site, products in good condition
Test Specification : Measurement of power consumption in accordance with the "Unmetered Supplies Operational Information" document – Version 11.0 (31/08/11)

Date Tested : 26-27/06/13
Conclusion : Refer to body of Report
Date Issued : 28/06/13

Signed: J. ADAMS
Position: Engineer

Approved: G. RICHARDS
Position: Quality Manager

These Test Results relate only to the unit tested. This Report and following report may not be reproduced except in full without the written approval of the Testing Laboratory.

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Aspect 1, 700mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	27.58	28.03	27.45	27.63	27.47
220	27.53	27.97	27.38	27.57	27.41
230	27.49	27.93	27.33	27.53	27.37
240	27.45	27.88	27.29	27.48	27.33
250	27.41	27.84	27.24	27.44	27.29

VA

Voltage	Sample Number				
	1	2	3	4	5
210	28.10	28.54	27.94	28.13	27.97
220	28.12	28.56	27.94	28.14	27.99
230	28.17	28.58	27.97	28.17	28.03
240	28.23	28.64	28.02	28.21	28.10
250	28.29	28.71	28.11	28.31	28.18

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Aspect 1, 350mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	14.34	14.49	14.18	14.24	14.26
220	14.33	14.47	14.16	14.22	14.25
230	14.33	14.47	14.15	14.21	14.24
240	14.32	14.45	14.14	14.20	14.23
250	14.31	14.45	14.13	14.19	14.22

VA

Voltage	Sample Number				
	1	2	3	4	5
210	15.03	15.16	14.84	14.89	14.94
220	15.11	15.22	14.91	14.96	15.01
230	15.20	15.32	15.01	15.05	15.10
240	15.31	15.41	15.11	15.15	15.20
250	15.42	15.52	15.23	15.26	15.33



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Aspect 2, 700mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	66.02	66.42	66.61	65.91	65.66
220	65.93	66.37	66.56	65.89	65.63
230	65.93	66.35	66.54	65.88	65.60
240	65.92	66.34	66.53	65.90	65.57
250	65.90	66.32	66.50	65.89	65.59

VA

Voltage	Sample Number				
	1	2	3	4	5
210	67.65	68.06	68.24	67.53	67.33
220	67.75	68.25	68.41	67.72	67.52
230	68.07	68.47	68.64	67.95	67.75
240	68.36	68.73	68.89	68.25	68.02
250	68.66	69.04	69.16	68.54	68.35

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Aspect 2, 600mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	57.40	57.47	57.63	57.32	57.03
220	57.38	57.47	57.63	57.27	57.00
230	57.38	57.47	57.63	57.27	57.00
240	57.40	57.49	57.65	57.29	57.01
250	57.39	57.49	57.66	57.29	57.02

VA

Voltage	Sample Number				
	1	2	3	4	5
210	59.12	59.19	59.35	59.03	58.81
220	59.33	59.47	59.62	59.23	59.04
230	59.64	59.74	59.87	59.52	59.35
240	59.93	60.06	60.18	59.83	59.66
250	60.30	60.46	60.57	60.18	60.03

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Aspect 2, 500mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	48.64	48.71	48.75	48.53	48.31
220	48.67	48.72	48.76	48.55	48.33
230	48.70	48.74	48.78	48.58	48.36
240	48.74	48.77	48.81	48.62	48.39
250	48.76	48.81	48.84	48.65	48.42

VA

Voltage	Sample Number				
	1	2	3	4	5
210	50.52	50.61	50.64	50.41	50.27
220	50.80	50.93	50.96	50.69	50.57
230	51.10	51.24	51.24	51.06	50.94
240	51.35	51.64	51.64	51.43	51.31
250	51.95	52.05	52.03	51.86	51.77

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Aspect 2, 425mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	42.22	42.17	42.14	42.13	41.83
220	42.25	42.19	42.16	42.15	41.85
230	42.29	42.23	42.21	42.18	41.88
240	42.32	42.29	42.27	42.23	41.93
250	42.39	42.33	42.31	42.28	41.97

VA

Voltage	Sample Number				
	1	2	3	4	5
210	44.27	44.23	44.18	44.15	43.91
220	44.60	44.54	44.50	44.48	44.28
230	44.95	44.96	44.90	44.86	44.66
240	45.36	45.41	45.36	45.25	45.07
250	45.90	45.88	45.80	45.78	45.63



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Aspect 2, 350mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	35.72	35.59	35.55	35.61	35.29
220	35.65	35.62	35.58	35.63	35.32
230	35.80	35.67	35.63	35.69	35.38
240	35.86	35.73	35.69	35.75	34.43
250	35.92	35.79	35.74	35.81	35.49

VA

Voltage	Sample Number				
	1	2	3	4	5
210	37.95	37.86	37.80	37.84	37.61
220	38.30	38.22	38.16	38.19	37.99
230	38.79	38.71	38.62	38.67	38.49
240	39.25	39.18	39.10	39.15	38.96
250	39.81	39.72	39.61	39.70	39.55



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Aspect 2, 225mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	24.60	24.47	24.41	24.53	24.26
220	24.65	24.53	24.47	24.60	24.32
230	24.70	24.60	24.54	24.67	24.39
240	24.76	24.68	24.62	24.75	24.47
250	24.87	24.75	24.70	24.83	24.55

VA

Voltage	Sample Number				
	1	2	3	4	5
210	27.40	27.35	27.25	27.35	27.18
220	27.95	27.86	27.74	27.88	27.75
230	28.52	28.42	28.29	28.45	28.27
240	29.11	29.06	28.92	29.03	28.93
250	29.82	29.70	29.55	29.78	29.71



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Aspect 3, 700mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	131.62	131.27	131.22	130.97	131.08
220	131.58	131.26	131.20	130.92	131.01
230	131.56	131.25	131.19	130.89	130.98
240	131.56	131.26	131.19	130.85	130.96
250	131.53	131.24	131.18	130.82	130.95

VA

Voltage	Sample Number				
	1	2	3	4	5
210	133.51	133.15	133.01	132.83	132.94
220	133.78	133.43	133.30	133.10	133.22
230	134.14	133.79	133.68	133.42	133.55
240	134.51	134.17	134.11	133.78	133.95
250	134.91	134.60	134.52	134.13	134.36

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Aspect 3, 500mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	95.01	94.76	94.65	94.38	94.37
220	95.09	94.84	94.72	94.41	94.39
230	95.17	94.90	94.80	94.46	94.43
240	95.28	95.01	94.92	94.52	94.48
250	95.33	95.07	95.01	94.56	94.53

VA

Voltage	Sample Number				
	1	2	3	4	5
210	97.22	96.96	96.89	96.61	96.59
220	97.65	97.37	97.22	96.94	96.92
230	98.09	97.78	97.65	97.38	97.36
240	98.59	98.27	98.16	97.85	97.86
250	99.17	98.87	98.75	98.38	98.40

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REPORT L13584

Aspect 3, 350mA supply

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	68.16	67.84	67.73	67.42	67.34
220	68.27	67.94	67.85	67.49	67.43
230	68.34	68.04	67.94	67.57	67.52
240	68.46	68.16	68.06	67.68	67.65
250	68.56	68.27	68.16	67.77	67.74

VA

Voltage	Sample Number				
	1	2	3	4	5
210	70.69	70.35	70.23	69.99	69.93
220	71.28	70.94	70.93	70.47	70.44
230	71.64	71.36	71.24	70.95	70.93
240	72.30	71.97	71.84	71.53	71.52
250	72.91	72.58	72.45	72.08	72.11

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ILLUSTRATION



Aspect 1

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ILLUSTRATION



Aspect 2

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ILLUSTRATION



Aspect 3

End