



T e s t R e p o r t

Report No : L14389
Client: : Candela Traditional Lighting Ltd
319 Long Acre
Waterlinks, Birmingham, West Midlands, B7 5JT
Description : LED Luminaires with power supply
Manufacturer : Not Disclosed
Type/Model : MWH-V06L-BP – 48 LED
MWH-V08M-BP – 60 LED
Test Specification : Measurement of power consumption in accordance with the
“Unmetered Supplies Operational Information” document –
Version 13.0 (7/11/13)
Date Tested : 03/07/14
Conclusion : Refer to body of Report
Date of Issue : 17/07/14
Date of Expiry : 16/07/19

Tested by: C.LOVEITT
Position: Laboratory Technician

Approved by: J.ADAMS
Position: Laboratory Supervisor



These test results relate only to the unit(s) tested. This Report and any subsequent report(s) may not be reproduced except in full without the written approval of the Testing Laboratory.



INTRODUCTION

Candela Traditional 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 13.0 (7/11/13).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	LED Luminaires with power supply
Model No.	MWH-V06L-BP
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	Not Applicable
Product Supply Requirement	240V 50Hz
Lamp Type and Power	LED
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

RESULTS

Table 2. Wattage and VA results for MWH-V06L-BP 48 LED luminaire with power supply

Watts	100%				
Voltage	Sample Number				
	1	2	3	4	5
210	55.93	55.57	55.69	55.90	56.18
220	55.88	55.52	55.64	55.86	56.14
230	55.85	55.49	55.60	55.82	56.11
240	55.82	55.43	55.54	55.76	56.06
250	55.77	55.40	55.50	55.73	56.03

VA					
Voltage	Sample Number				
	1	2	3	4	5
210	56.50	56.12	56.25	56.47	56.74
220	56.52	56.15	56.28	56.52	56.78
230	56.58	56.21	56.33	56.56	56.83
240	56.64	56.24	56.35	56.59	56.86
250	56.69	56.31	56.43	56.66	56.93

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Table 3. Wattage and VA results for MWH-V06L-BP 48 LED luminaire with power supply

Watts		75%				
Voltage	Sample Number					
	1	2	3	4	5	
210	42.49	42.14	42.29	42.42	43.41	
220	42.48	42.12	42.28	42.41	43.40	
230	42.46	42.10	42.26	42.41	43.40	
240	42.46	42.10	42.26	42.40	43.39	
250	42.45	42.07	42.23	42.41	43.40	

VA						
Voltage	Sample Number					
	1	2	3	4	5	
210	43.17	42.80	42.96	43.13	44.08	
220	43.05	42.69	42.85	43.19	44.14	
230	43.31	42.93	43.11	43.40	44.26	
240	43.40	43.02	43.19	43.38	44.34	
250	43.49	43.11	43.28	43.48	44.44	

Table 4. Wattage and VA results for MWH-V06L-BP 48 LED luminaire with power supply

Watts		50%				
Voltage	Sample Number					
	1	2	3	4	5	
210	28.12	27.85	28.11	28.17	29.89	
220	28.15	27.88	28.13	28.20	29.91	
230	28.18	27.91	28.16	28.23	29.94	
240	28.19	27.89	28.16	28.24	29.97	
250	28.12	27.82	28.08	28.16	29.95	

VA						
Voltage	Sample Number					
	1	2	3	4	5	
210	28.96	28.67	28.93	29.04	30.71	
220	29.08	28.81	29.07	29.20	30.84	
230	29.28	29.01	29.27	29.36	30.98	
240	29.52	29.28	29.53	29.54	31.12	
250	29.80	29.59	29.82	29.90	31.36	

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Table 5. Wattage and VA results for MWH-V06L-BP 48 LED luminaire with power supply

Watts		25%				
Voltage	Sample Number					
	1	2	3	4	5	
210	13.28	13.08	13.43	13.34	15.76	
220	13.31	13.10	13.45	13.37	15.78	
230	13.34	13.14	13.49	13.42	15.83	
240	13.37	13.18	13.52	13.45	15.87	
250	13.40	13.22	13.55	13.48	15.86	

VA						
Voltage	Sample Number					
	1	2	3	4	5	
210	24.65	24.36	24.86	25.50	29.62	
220	24.62	24.27	24.83	25.31	29.44	
230	25.05	24.75	25.27	26.03	30.10	
240	25.56	25.27	25.78	26.09	29.96	
250	26.04	25.78	26.25	26.21	30.69	

Table 6. Test Sample Details

Product Description	LED Luminaire with power supply
Model No.	MWH-V08M-BP
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	Not Applicable
Product Supply Requirement	240V, 50Hz
Lamp Type and Power	LED
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

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Table 7. Wattage and VA results for MWH-V08M-BP 60 LED luminaire with power supply

Watts 100%

Voltage	Sample Number				
	1	2	3	4	5
210	65.63	65.06	64.98	65.50	65.76
220	65.58	65.00	64.92	65.42	65.68
230	65.52	64.94	64.87	65.36	65.62
240	65.47	64.89	64.83	65.33	65.58
250	65.43	64.84	64.80	65.30	65.55

VA

Voltage	Sample Number				
	1	2	3	4	5
210	66.89	66.94	66.30	66.75	67.07
220	66.94	67.08	66.32	66.73	67.05
230	66.98	67.24	66.36	66.73	67.05
240	66.83	67.33	66.35	66.77	67.09
250	66.87	67.50	66.41	66.82	67.15

Table 8. Wattage and VA results for MWH-V08M-BP 60 LED luminaire with power supply

Watts 75%

Voltage	Sample Number				
	1	2	3	4	5
210	49.43	48.80	48.89	49.14	49.41
220	49.42	48.79	48.88	49.13	49.39
230	49.43	48.79	48.89	49.14	49.40
240	49.43	48.79	48.90	49.14	49.41
250	49.43	48.79	48.90	49.14	49.40

VA

Voltage	Sample Number				
	1	2	3	4	5
210	50.49	50.66	50.09	50.28	50.60
220	50.53	50.82	50.15	50.32	50.65
230	50.56	50.97	50.20	50.37	50.71
240	50.66	51.24	50.31	50.47	50.79
250	50.79	51.51	50.43	50.57	50.90

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Table 9. Wattage and VA results for MWH-V08M-BP 60 LED luminaire with power supply

Watts		50%				
Voltage	Sample Number					
	1	2	3	4	5	
210	33.94	33.33	33.43	33.63	33.80	
220	33.96	33.35	33.45	33.64	33.82	
230	34.00	33.39	33.49	33.68	33.84	
240	34.03	33.41	33.53	33.71	33.87	
250	34.05	33.43	33.56	33.74	33.90	

VA						
Voltage	Sample Number					
	1	2	3	4	5	
210	34.86	35.17	34.54	34.65	34.89	
220	34.93	35.39	34.63	34.81	35.03	
230	35.03	35.65	34.74	34.90	35.10	
240	35.21	36.01	34.88	35.05	35.23	
250	35.43	36.51	35.12	35.28	35.45	

Table 10. Wattage and VA results for MWH-V08M-BP 60 LED luminaire with power supply

Watts		25%				
Voltage	Sample Number					
	1	2	3	4	5	
210	17.02	16.38	16.57	16.55	16.69	
220	17.04	16.42	16.59	16.61	16.75	
230	17.07	16.41	16.61	16.60	16.75	
240	17.07	16.43	16.63	16.62	16.75	
250	17.07	16.44	16.65	16.61	16.75	

VA						
Voltage	Sample Number					
	1	2	3	4	5	
210	30.96	30.21	30.33	30.17	30.36	
220	31.11	30.44	30.44	30.94	31.14	
230	31.28	30.67	30.62	31.37	31.56	
240	31.43	30.96	30.80	31.44	31.62	
250	31.59	31.26	31.00	32.21	32.38	

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

MEASUREMENT UNCERTAINTY

Equipment number 279 uncertainty of measurement for AC voltage $\pm 0.01\%$

Equipment number 279 uncertainty of measurement for AC current $\pm 0.03\%$

Equipment number 279 uncertainty of measurement for AC power $\pm 0.08\%$

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ILLUSTRATIONS

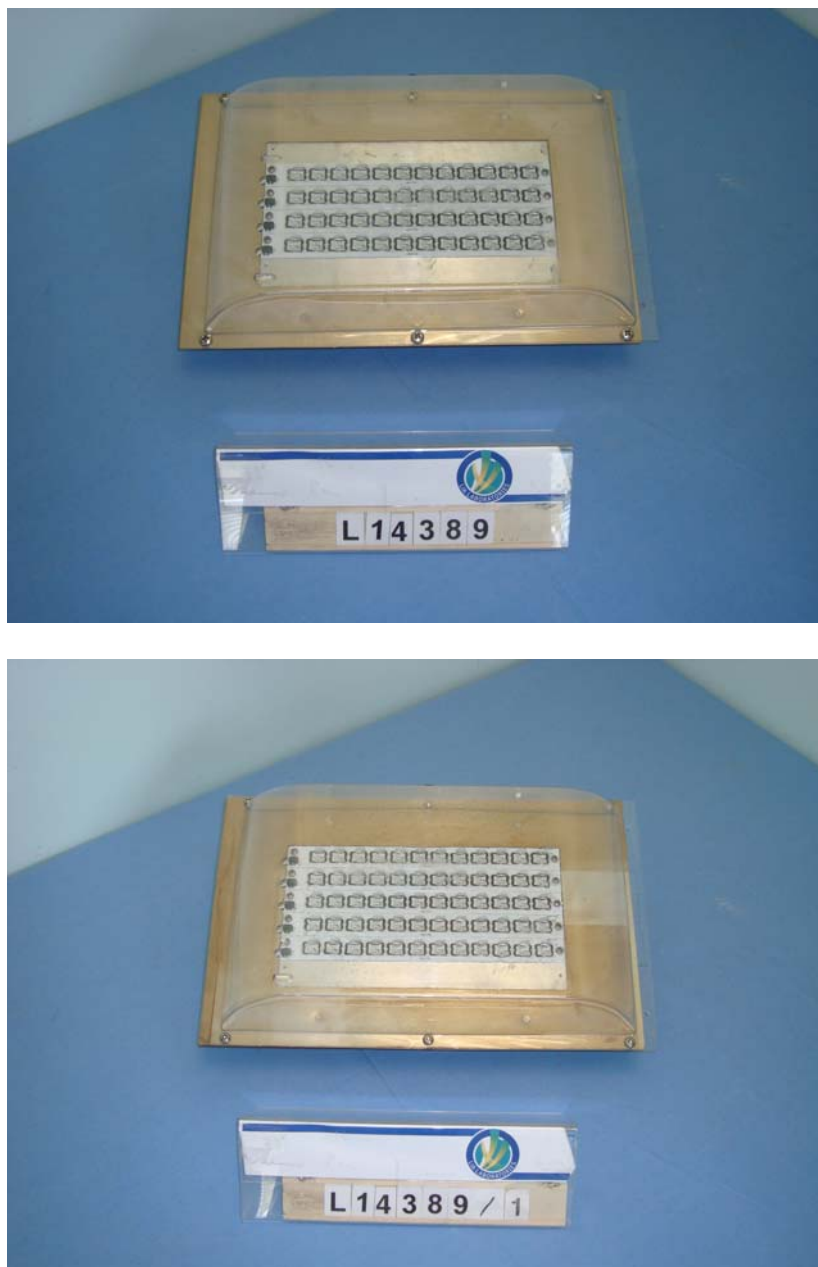


Figure 1. *Image of tested samples*

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