

T e s t R e p o r t

Report No : L15929C
Client: : Holophane Europe
Bond Ave
Bletchley
Milton Keynes
MK1 1JG
Description : Factor Small Street lighting luminaire - 30LED - 75W Driver
Manufacturer : Holophane Europe
Type/Model : FTS 30LED 75W Philips - 30LED 1 x 929000962506 driver
Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 14.0 (17/12/2014)
Date Testing Started : 12/02/2016
Conclusion : Refer to body of report
Date of Issue : 01/08/2016
Date of Expiry : 30/07/2021

Checked by: J.ADAMS
Position: Accreditation and
Certification officer



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



INTRODUCTION

The product identified in Table 1 were tested at the premises of Holophane Europe 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	Factor Small Street lighting luminaire - 30LED - 75W Driver
Model No.	FTS 30LED 75W Philips - 30LED 1 x 929000962506 driver
Number of Samples	Five
Condition of Samples	Good
Nominal Dimensions	688mm x 207mm x 136mm
Product Supply Requirement	240V AC 50 Hz
Lamp Type and Power	LED – 77W
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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RESULTS

Table 2. Wattage and VA results for model - FTS 30LED 75W Philips - 30LED 1 x 929000962506 driver

Operating Mode	Factor Small Street lighting luminaire - 30LED - 75W Driver - running at - 800mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	76.64	76.47	76.41	78.29	76.53
220	76.45	76.23	76.21	78.06	76.52
230	76.33	76.05	76.07	77.91	76.52
240	76.23	75.91	75.96	77.78	76.56
250	76.13	75.75	75.87	77.63	76.60
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	77.52	77.32	77.26	79.14	77.39
220	77.46	77.20	77.17	79.05	77.49
230	77.50	77.18	77.20	79.05	77.65
240	77.59	77.18	77.24	79.10	77.86
250	77.70	77.26	77.35	79.18	78.13
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.99	0.99	0.99	0.99	0.99
220	0.99	0.99	0.99	0.99	0.99
230	0.98	0.99	0.99	0.99	0.99
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)			24.3		
PF Leading/Lagging			Leading		

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Table 3. Wattage and VA results for model - FTS 30LED 75W Philips - 30LED 1 x 929000962506 driver

Operating Mode	Factor Small Street lighting luminaire - 30LED - 75W Driver - running at - 640mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	60.23	60.01	60.02	61.45	60.80
220	60.22	59.99	60.02	61.41	60.86
230	60.22	59.97	60.04	61.39	60.92
240	60.23	59.94	60.04	61.36	61.00
250	60.24	59.92	60.07	61.33	61.07
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	61.23	60.99	61.00	62.45	61.79
220	61.37	61.12	61.14	62.56	61.98
230	61.55	61.26	61.34	62.70	62.23
240	61.75	61.44	61.53	62.84	62.47
250	61.97	61.59	61.74	63.04	62.78
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	0.98
250	0.97	0.97	0.97	0.97	0.97
Ambient Temperature During Test (°C)			22.6		
PF Leading/Lagging			Leading		

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Table 4. Wattage and VA results for model - FTS 30LED 75W Philips - 30LED 1 x 929000962506 driver

Operating Mode	Factor Small Street lighting luminaire - 30LED - 75W Driver - running at - 480mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	45.31	45.12	45.19	46.03	45.74
220	45.36	45.14	45.24	46.05	45.85
230	45.43	45.16	45.30	46.07	45.98
240	45.48	45.17	45.37	46.09	46.10
250	45.54	45.17	45.43	46.11	46.23
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	46.57	46.34	46.40	47.27	46.98
220	46.82	46.53	46.65	47.47	47.27
230	47.09	46.75	46.89	47.73	47.62
240	47.35	46.98	47.17	47.98	47.98
250	47.66	47.24	47.46	48.23	48.32
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	0.97	0.97	0.97	0.97
240	0.96	0.96	0.96	0.96	0.96
250	0.96	0.96	0.96	0.96	0.96
Ambient Temperature During Test (°C)			23.4		
PF Leading/Lagging			Leading		

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Table 5. Wattage and VA results for model - FTS 30LED 75W Philips - 30LED 1 x 929000962506 driver

Operating Mode	Factor Small Street lighting luminaire - 30LED - 75W Driver - running at - 320mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	30.85	30.41	30.73	31.17	31.18
220	30.93	30.46	30.82	31.22	31.34
230	31.02	30.51	30.90	31.27	31.48
240	31.12	30.55	31.00	31.32	31.63
250	31.19	30.58	31.09	31.35	31.79
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	32.45	31.96	32.27	32.71	32.71
220	32.75	32.20	32.54	32.99	33.10
230	33.12	32.54	32.90	33.33	33.50
240	33.42	32.80	33.21	33.58	33.83
250	33.84	33.17	33.60	33.94	34.32
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.95	0.95	0.95	0.95	0.95
220	0.94	0.95	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	0.93	0.92	0.93
Ambient Temperature During Test (°C)			24.0		
PF Leading/Lagging			Leading		

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DEVIATIONS(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 true power (W) measurement are $\pm 0.25\%$.

The expanded uncertainties for apparent power (VA) measurements are $\pm 0.39\%$ for 5W to 50W.

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 - FTS 30LED 75W Philips - 30LED 1 x 929000962506

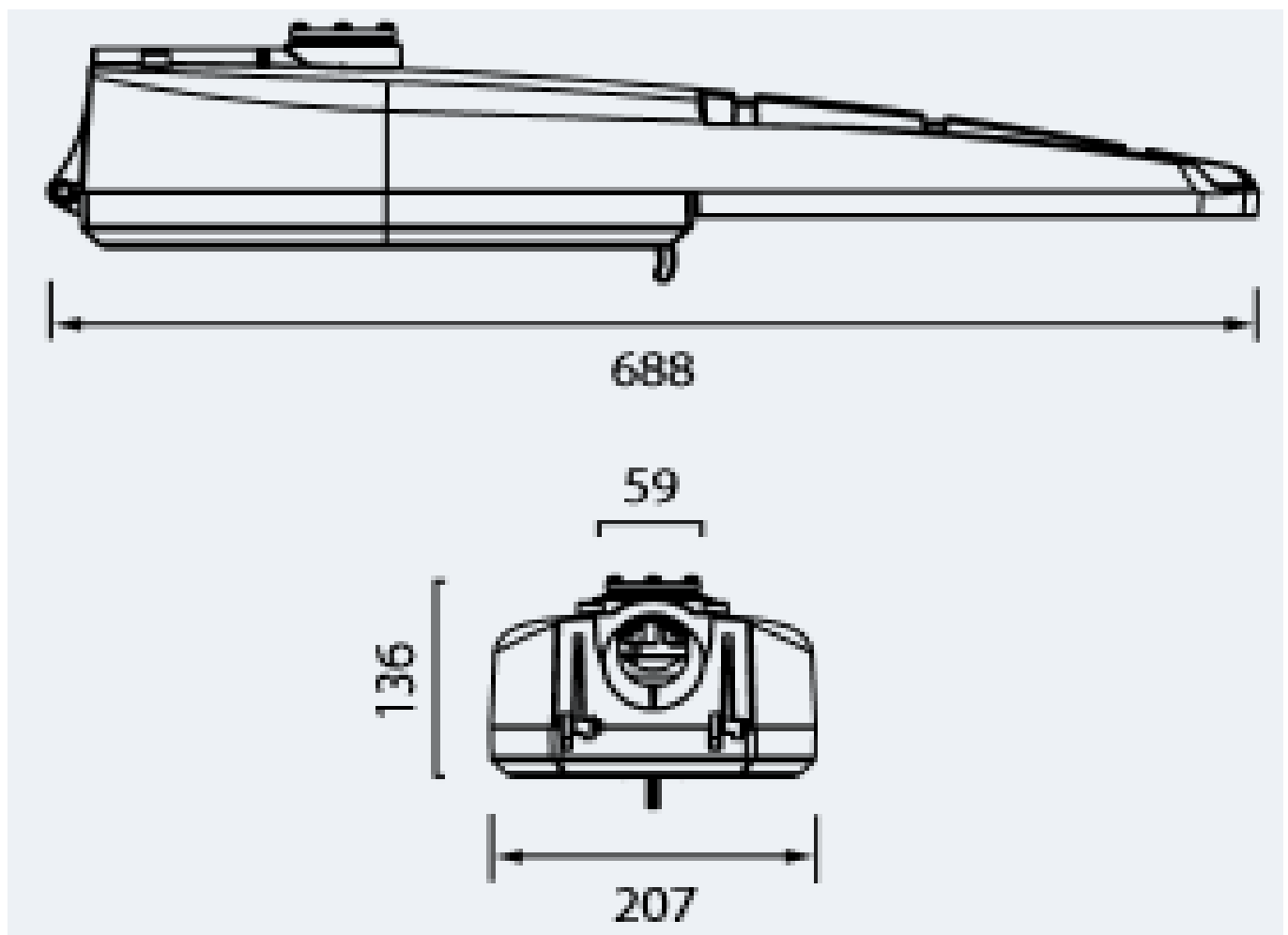


Figure 2. Product dimensions for model - FTS 30LED 75W Philips - 30LED 1 x 929000962506

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