

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

**Report No** : L15929B  
**Client:** : Holophane Europe  
Bond Ave  
Bletchley  
Milton Keynes  
MK1 1JG  
**Description** : Factor Small Street lighting luminaire - 20LED - 75W Driver  
**Manufacturer** : Holophane Europe  
**Type/Model** : FTS 20LED 75W Philips - 20LED 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 DETAILS**

**Table 1. Test Sample Details**

Product Description	Factor Small Street lighting luminaire - 20LED - 75W Driver
Model No.	FTS 20LED 75W Philips - 20LED 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 – 66W
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 20LED 75W Philips - 20LED 1 x 929000962506 driver

Operating Mode	Factor Small Street lighting luminaire - 20LED - 75W Driver - running at - 1050mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	65.65	65.08	65.49	67.32	65.98
220	65.64	65.02	65.45	67.14	65.94
230	65.65	64.98	65.42	67.01	65.96
240	65.66	64.94	65.42	66.91	66.00
250	65.65	64.88	65.40	66.81	66.04
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	66.66	66.05	66.47	68.29	66.95
220	66.79	66.16	66.58	68.26	67.06
230	66.98	66.27	66.70	68.32	67.27
240	67.14	66.39	66.86	68.41	67.49
250	67.30	66.51	67.00	68.46	67.67
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	0.98	0.98	0.98	0.98	0.98
250	0.98	0.98	0.98	0.98	0.98
Ambient Temperature During Test (°C)			23.6		
PF Leading/Lagging			Leading		

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**Table 3. Wattage and VA results for model - FTS 20LED 75W Philips - 20LED 1 x 929000962506 driver**

Operating Mode	Factor Small Street lighting luminaire - 20LED - 75W Driver - running at - 840mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	51.01	51.41	51.77	52.84	52.12
220	52.03	51.42	51.80	52.84	52.20
230	52.08	51.41	51.84	52.84	52.31
240	52.15	51.42	51.89	52.83	52.40
250	52.19	51.42	51.94	52.82	52.52
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	53.11	52.49	52.85	53.96	53.25
220	53.31	52.64	53.02	54.09	53.46
230	53.56	52.84	53.26	54.29	53.76
240	53.82	53.05	53.50	54.48	54.04
250	54.12	53.30	53.79	54.72	54.43
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	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	0.97	0.97	0.96
Ambient Temperature During Test (°C)			24		
PF Leading/Lagging			Leading		

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**Table 4. Wattage and VA results for model - FTS 20LED 75W Philips - 20LED 1 x 929000962506 driver**

Operating Mode	Factor Small Street lighting luminaire - 20LED - 75W Driver - running at - 630mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	38.82	38.44	38.66	39.46	39.14
220	38.89	38.47	38.72	39.51	39.28
230	38.96	38.50	38.81	39.53	39.40
240	39.04	38.54	38.88	39.56	39.54
250	39.11	38.56	38.95	39.58	39.67
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	40.18	39.75	39.95	40.78	40.45
220	40.42	39.96	40.19	41.05	40.83
230	40.71	40.20	40.48	41.28	41.14
240	41.07	40.50	40.81	41.54	41.49
250	41.44	40.83	41.12	41.83	41.90
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	0.94	0.95	0.95	0.95
Ambient Temperature During Test (°C)			24		
PF Leading/Lagging			Leading		

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**Table 5. Wattage and VA results for model - FTS 20LED 75W Philips - 20LED 1 x 929000962506 driver**

Operating Mode	Factor Small Street lighting luminaire - 20LED - 75W Driver - running at - 420mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	26.43	25.91	26.33	26.58	26.66
220	26.51	25.95	26.41	26.63	26.80
230	26.61	26.00	26.52	26.67	26.97
240	26.69	26.04	26.62	26.70	27.10
250	26.77	26.08	26.69	26.74	27.26
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	28.16	27.59	28.00	28.30	28.35
220	28.49	27.87	28.31	28.59	28.74
230	28.93	28.25	28.73	28.96	29.19
240	29.30	28.69	29.20	29.41	29.72
250	29.93	28.90	29.47	29.59	30.10
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	0.89	0.90	0.91	0.90	0.91
Ambient Temperature During Test (°C)			24.5		
PF Leading/Lagging			Leading		

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**Table 6. Wattage and VA results for model - FTS 20LED 75W Philips - 20LED 1 x 929000962506 driver**

Operating Mode	Factor Small Street lighting luminaire - 20LED - 75W Driver - running at - 210mA				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	14.18	13.92	14.10	14.14	14.59
220	14.29	13.99	14.21	14.21	14.77
230	14.42	14.07	14.34	14.28	14.94
240	14.49	14.08	14.40	14.29	15.07
250	14.46	14.01	14.38	14.24	15.12
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	16.66	16.32	16.45	16.63	17.03
220	17.31	16.93	17.11	17.23	17.60
230	18.07	17.76	17.84	17.88	18.32
240	18.61	18.32	18.45	18.69	19.15
250	19.75	19.31	19.52	19.45	20.03
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.85	0.85	0.86	0.85	0.86
220	0.83	0.83	0.83	0.83	0.84
230	0.80	0.79	0.80	0.80	0.82
240	0.78	0.77	0.78	0.76	0.79
250	0.73	0.73	0.74	0.73	0.75
Ambient Temperature During Test (°C)			24.6		
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 20LED 75W Philips - 20LED 1 x 929000962506 driver

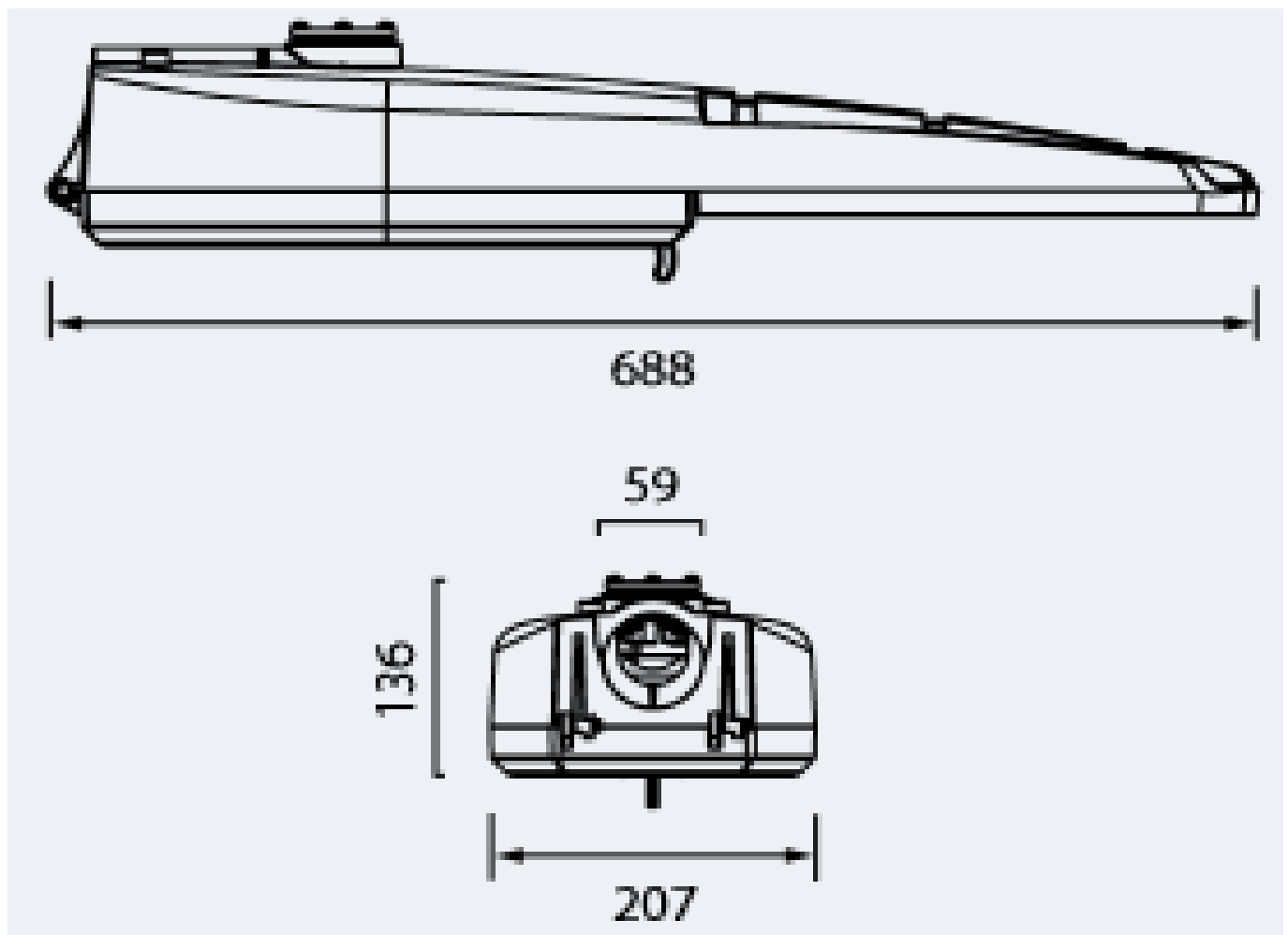


Figure 2. Product dimensions for model - FTS 20LED 75W Philips - 20LED 1 x 929000962506 driver

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