

# UMS SUMMARY TEST REPORT

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ISSUED BY:  
CRANAGE EMC TESTING LIMITED  
STABLE COURT  
OAKLEY  
MARKET DRAYTON  
SHROPSHIRE, TF9 4AG



Report No: **U0032R2** Date of Issue: **28<sup>th</sup> November, 2013**

This document summarises the results of testing to ascertain the appropriate Elexon Charge Codes for inclusion in BSCP520.

Tested & Inspected for: **Easy Energy Solution Ltd.  
Unit C Parkway Point  
224 Springhill  
Parkway  
Glasgow Business Park  
Baillieston  
Glasgow  
G69 6GA.**

Test Dates: **27<sup>th</sup> November, 2013**  
Receipt Date of Test Item: **27<sup>th</sup> November, 2013**

## **Sample 1**

Test Item Description: **30W LED Street Lighting**  
Model Number: **RL2R1014**  
Serial Number: **A30311304220018B**

## **Sample 2**

Test Item Description: **30W LED Street Lighting**  
Model Number: **RL2R1014**  
Serial Number: **A30311304220019B**

## **Sample 3**

Test Item Description: **30W LED Street Lighting**  
Model Number: **RL2R1014**  
Serial Number: **A30311304220003B**

## **Sample 4**

Test Item Description: **30W LED Street Lighting**  
Model Number: **RL2R1014**  
Serial Number: **A30311304220002B**

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## Sample 5

Test Item Description: **30W LED Street Lighting**  
Model Number: **RL2R1014**  
Serial Number: **A30311304220006B**

Approved Signatories: K.G. Richens - Technical Director



APPROVED SIGNATORY

Verification Signatories: R. Flynn - Test Engineer



VERIFICATION SIGNATORY

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Mode of Operation: The test item was powered 'On' and gave a constant 100% light output. A photograph showing the test item can be found on page 4. Figures rounded to 1 D.P.

Test Condition: - 30 minutes stabilisation period given prior to measurements. Measurements were subsequently taken after 5 minutes at each voltage level. This was found to be an adequate time window for the purpose of the test measurements.

Watts					
Voltage (Vrms)	Sample No.				
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210	35.4	35.5	35.6	35.7	36.1
220	35.4	35.6	35.6	35.8	36.1
230	35.5	35.6	35.7	35.8	36.2
240	35.5	35.7	35.8	35.9	36.2
250	35.6	35.7	35.8	35.9	36.3

VA					
Voltage (Vrms)	Sample No.				
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210	37.8	37.9	37.9	38.1	38.4
220	38.2	38.3	38.4	38.6	38.8
230	38.7	38.8	38.9	39.1	39.3
240	39.3	39.4	39.5	39.7	39.9
250	40.0	40.0	40.1	40.3	40.5

Ambient temperature range recorded during test period:  
19.0°C

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## Test Equipment

Asset Number	Description	Calibration Date	Calibration Due
AN874	Power Source	-	-
AN1162	Power Analyser	14/05/2013	13/05/2013
AN452	Timer	-	-

## Photograph of the Test Item



## Measurement Uncertainty

The 95 % confidence measurement uncertainty for AC Power (Analyser) is 0.17%.