

UMS SUMMARY TEST REPORT

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



Report No: **U0032R3** Date of Issue: **28th 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: **28th November, 2013**
Receipt Date of Test Item: **27th November, 2013**

Sample 1

Test Item Description: **157W LED Street Lighting**
Model Number: **RL2R1070**
Serial Number: **A31081307250001B**

Sample 2

Test Item Description: **157W LED Street Lighting**
Model Number: **RL2R1070**
Serial Number: **A31081307250116B**

Sample 3

Test Item Description: **157W LED Street Lighting**
Model Number: **RL2R1070**
Serial Number: **A31081307250016B**

Sample 4

Test Item Description: **157W LED Street Lighting**
Model Number: **RL2R1070**
Serial Number: **A31081307250007B**

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Sample 5

Test Item Description: **157W LED Street Lighting**
Model Number: **RL2R1070**
Serial Number: **A31081307250010B**

Approved Signatories: K.G. Richens - Technical Director

Handwritten signature of K.G. Richens in black ink.

APPROVED SIGNATORY

Verification Signatories: R. Flynn - Test Engineer

Handwritten signature of R. Flynn in black ink.

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	153.8	151.4	151.7	152.7	152.7
220	153.7	151.3	151.7	152.6	152.6
230	153.6	151.3	151.7	152.6	152.5
240	153.5	151.3	151.6	152.6	152.5
250	153.5	151.3	151.6	152.6	152.5

VA					
Voltage (Vrms)	Sample No.				
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210	156.2	153.7	154.0	155.1	155.0
220	156.4	154.1	154.4	155.5	155.3
230	156.8	154.5	154.9	155.9	155.7
240	157.2	154.9	155.3	156.4	156.1
250	157.8	155.5	155.8	156.9	156.6

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%.