

UMS SUMMARY TEST REPORT

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



Report No: **U0055R** Date of Issue: **15th July 2015**

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

Tested & Inspected for: **Max Green LED Limited
Enterprise House, Ocean Way,
Southampton, SO14 3XB.**

Test Date: **9th & 10th July, 2015**
Receipt Date of Test Item: **8th July, 2015**

Sample 1

Test Item Description: **LED Sreet Lighting**
Model Name: **40W 3000k LED Heritage**
Serial Number: **Production Sample**
Notes: **Incorporated Meanwell HLG-40H-24B Driver (S/N: HB52942101)**

Sample 2

Test Item Description: **LED Sreet Lighting**
Model Name: **40W 3000k LED Heritage**
Serial Number: **Production Sample**
Notes: **Incorporated Meanwell HLG-40H-24B Driver (S/N: HB52942100)**

Sample 3

Test Item Description: **LED Sreet Lighting**
Model Name: **40W 3000k LED Heritage**
Serial Number: **Production Sample**
Notes: **Incorporated Meanwell HLG-40H-24B Driver (S/N: HB52942093)**

Sample 4

Test Item Description: **LED Sreet Lighting**
Model Name: **40W 3000k LED Heritage**
Serial Number: **Production Sample**
Notes: **Incorporated Meanwell HLG-40H-24B Driver (S/N: HB52942097)**

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Sample 5

Test Item Description: **LED Sreet Lighting**
Model Name: **40W 3000k LED Heritage**
Serial Number: **Production Sample**
Notes: **Incorporated Meanwell HLG-40H-24B Driver (S/N: HB52942098)**

Approved Signatories: M. Richens - Technical Director



APPROVED SIGNATORY

Verification Signatories: K. Richens – Managing Director



VERIFICATION SIGNATORY

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Mode of Operation: The test item was powered 'ON'. A photograph showing the test item can be found on page 3.

Unit under test: - Units were powered up for 30 minutes to stabilise.

Test Condition: - Measurements were taken after 15 minutes at each voltage level. This was found to be adequate time for stabilisation.

All results are rounded to 2 decimal places.

Mode 1

Watts

| Voltage (Vrms) | Sample No. | | | | |
|----------------|------------|----------|----------|----------|----------|
| | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 |
| 210 | 41.06 | 40.95 | 41.76 | 41.13 | 41.29 |
| 220 | 40.99 | 40.88 | 41.78 | 41.05 | 41.28 |
| 230 | 40.96 | 40.85 | 41.78 | 41.02 | 41.26 |
| 240 | 40.94 | 40.84 | 41.77 | 40.99 | 41.26 |
| 250 | 40.91 | 40.85 | 41.76 | 40.98 | 41.26 |

VA

| Voltage (Vrms) | Sample No. | | | | |
|----------------|------------|----------|----------|----------|----------|
| | Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 |
| 210 | 53.69 | 54.48 | 58.35 | 54.35 | 54.44 |
| 220 | 55.16 | 56.07 | 54.99 | 55.89 | 56.03 |
| 230 | 56.95 | 57.84 | 56.67 | 57.20 | 57.68 |
| 240 | 57.36 | 59.59 | 58.35 | 58.86 | 59.41 |
| 250 | 60.91 | 61.40 | 61.84 | 60.60 | 61.12 |

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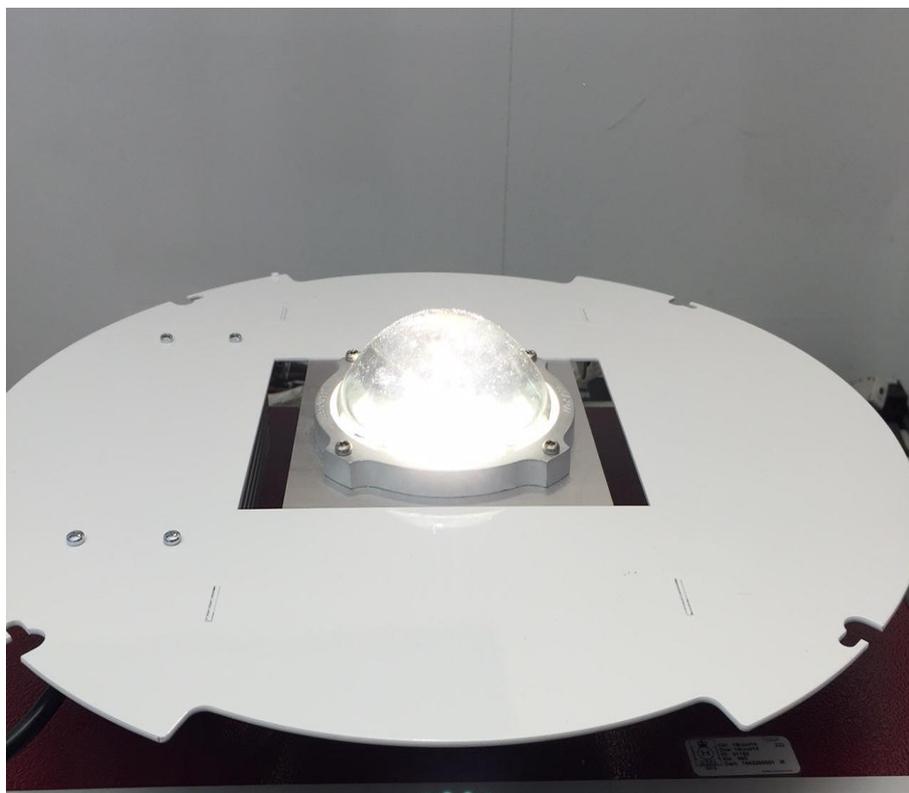
Report No: **U0055R** Date of Issue: **15th July 2015**

Ambient temperature range recorded during test period:
22°C

Test Equipment

| Asset Number | Description | Calibration Date | Calibration Due |
|--------------|----------------|------------------|-----------------|
| AN288 | Power Source | - | - |
| AN1162 | Power Analyser | 16/07/2014 | 15/07/2015 |
| AN452 | Timer | - | - |

Photographs of the Test Item



Above: Equipment under test (Front).

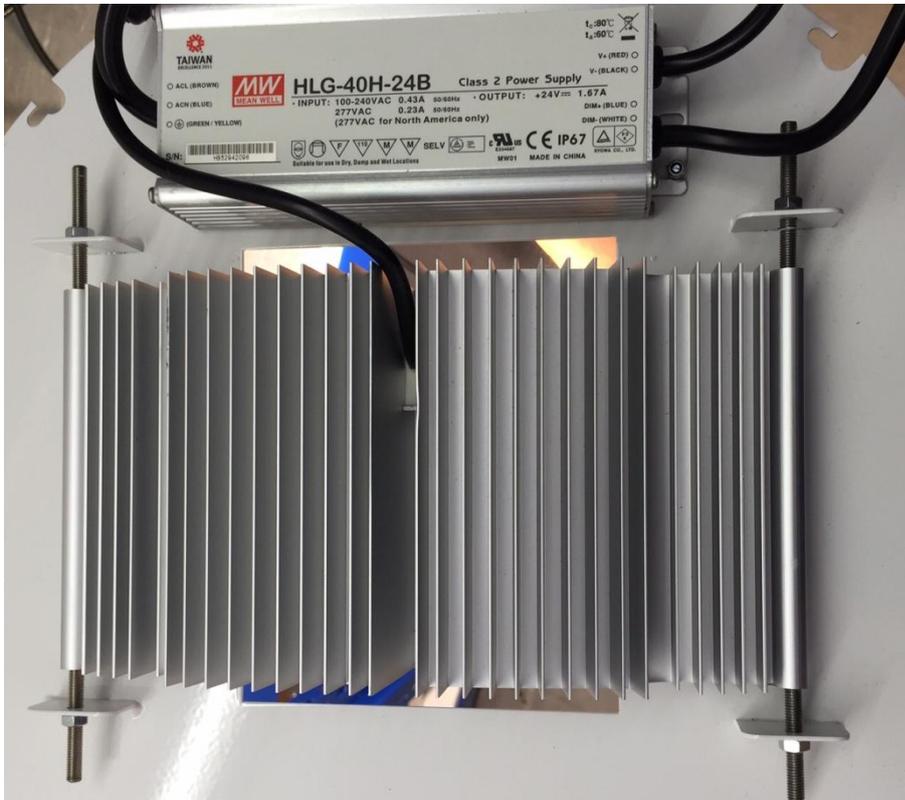
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Above: Equipment under test (Back).

Measurement Uncertainty

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