

# TEST REPORT

The following tested product(s) were submitted and identified by the vendor as:

Report No. : TOOC210600012300  
Applicant : Orangetek International Pty Ltd.  
Address of Applicant : 46 Stanley Street, Peakhurst, NSW 2210, Australia  
Testing Laboratory : SGS Taiwan Ltd., Optics Laboratory  
Laboratory Address : 33, Wu Chyuan Road, New Taipei Industrial Park, Wu Ku District, New Taipei City 24886, Taiwan  
Product Name : IGNIS 1  
Model / Serial Number : IGNIS 1 036 LED 76W  
Manufacturer : Orangetek International Pty Ltd.  
Rating : AC 220 V to 240 V (50 / 60) Hz, 76 W  
Tested Condition : AC 230 V 50 Hz  
Test Standard/Method : Clause 8 & Clause 9 of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements  
Date of Issue : Jun. 30, 2021

- ◆ The test results are solely accountable for the testing samples.
- ◆ All reported contents shall not be used for advertising, publication, marketing strategies and legal proceedings.
- ◆ Excerpts taken from the report will not be valid unless otherwise stated in the laboratory agreement.
- ◆ For the statements of conformity in this report, the decision rules are not disclosed the considered provision of uncertainty of measurement, and are in accordance with the requirements of above test standards.

Test Results : -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of  
SGS TAIWAN Ltd.



Willie Yu  
Sr. Engineer

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## 1 DATE OF RECEIPT OF SAMPLES

Jun. 22, 2021

## 2 DATE(S) OF PERFORMANCE OF THE TEST

Jun. 22, 2021 to Jun. 30, 2021

## 3 IDENTITY OF SAMPLES

| Quantity | Model               | Serial Number |
|----------|---------------------|---------------|
| 10       | IGNIS 1 036 LED 76W | # 1 - # 10    |

## 4 TEST ITEMS

### 4.1 Total circuit power

The test results were implemented referring to Clause 8 Total circuit power of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements.

### 4.2 Circuit power factor

The test results were implemented referring to Clause 9 Circuit power factor of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements.

## 5 TEST CONDITIONS

### Main Test Equipment:

| Name                            | Brand          | Model               | S/N                 | Calibration Due Date |
|---------------------------------|----------------|---------------------|---------------------|----------------------|
| Digital Power Meter / AC Source | YOKOGAWA / apc | WT-310 / APF-11001G | OPT-0125 / OPT-0050 | 2022/4/12            |

### Environmental Conditions:

Ambient temperature: (20 to 27) °C  
 Relative humidity: (60 ± 20) %RH

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**DUT Conditions:**

|                     |  |
|---------------------|--|
| Power input:        | <u>AC 230 V 50 Hz</u>  |
| Dimension:          | <u>L 580 mm x W 225 mm x H 105 mm</u>  |
| Warm-up time:       | <u>&gt; 120 minutes</u>  |
| Stabilization time: | <u>30 minutes</u>  |
| Control Gear:       | <u>PHILIPS / Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt / 1 pce</u>   |
| Control Gear Spec:  | <u>I/P: AC (220 to 240) V (0.4 to 0.34) A, (50 / 60) Hz</u><br><u>O/P: DC (200 to 700) mA, (50 to 150) V</u> |

**LED Module Conditions:**

|                  |                                |
|------------------|--------------------------------|
| Model Number:    | <u>36 LED PCB with 36 LEDs</u> |
| Input condition: | <u>DC 675 mA, 76 W</u>         |
| Dimension:       | <u>L 127.3 mm x W 143 mm</u>   |

## 6 TEST RESULTS

| S/N  | Input Voltage (Vac) | Input Current (A) | Total circuit power (W)<br>(Lamp Circuit Power) | Circuit power factor | Note          |
|------|---------------------|-------------------|---|----------------------|---------------|
| # 1  | 230.08              | 0.3299            | 74.84   | 0.9861               | Stabilization |
| # 2  | 229.95              | 0.3290            | 74.54   | 0.9857               | Stabilization |
| # 3  | 230.07              | 0.3293            | 74.67   | 0.9855               | Stabilization |
| # 4  | 230.08              | 0.3275            | 74.24   | 0.9854               | Stabilization |
| # 5  | 229.96              | 0.3298            | 74.77   | 0.9858               | Stabilization |
| # 6  | 230.07              | 0.3243            | 73.61   | 0.9866               | Stabilization |
| # 7  | 229.97              | 0.3289            | 74.51   | 0.9851               | Stabilization |
| # 8  | 229.96              | 0.3274            | 74.21   | 0.9858               | Stabilization |
| # 9  | 229.95              | 0.3286            | 74.45   | 0.9855               | Stabilization |
| # 10 | 229.93              | 0.3282            | 74.37   | 0.9855               | Stabilization |
| Avg. | 230.00              | 0.3283            | 74.42   | 0.9857               | --            |

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## 7 PHOTO



Front View



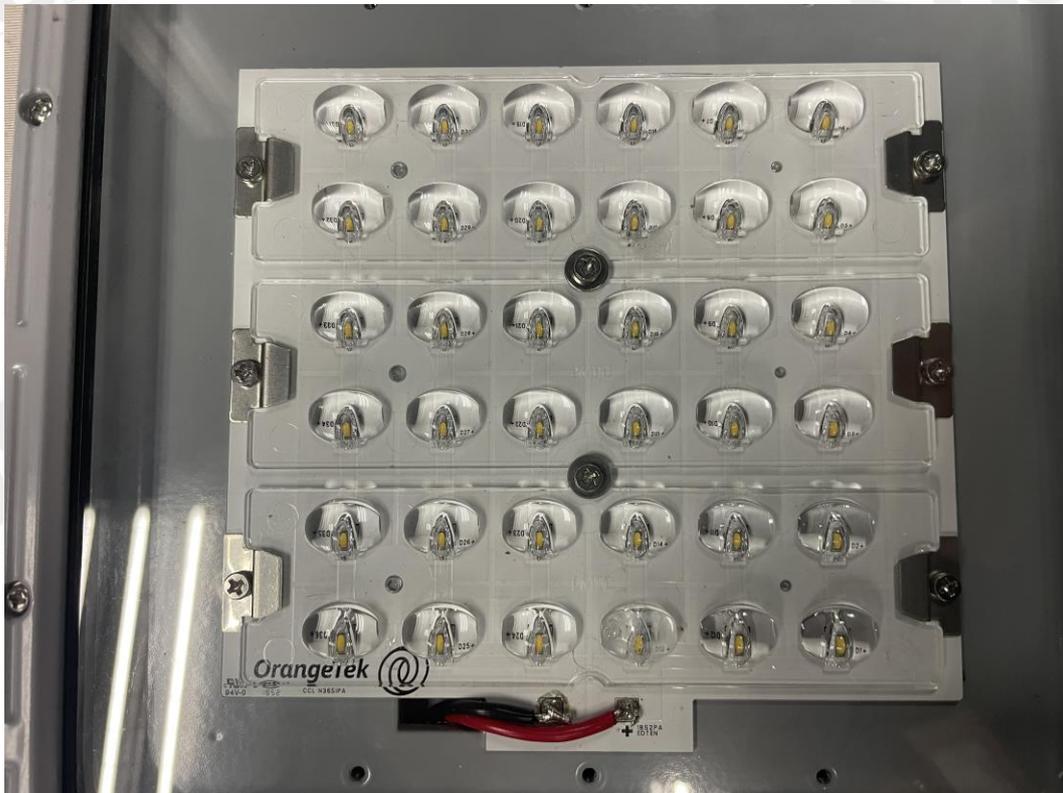
Back View

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DUT



LED module

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Control Gear  
- End of Report -

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