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INTERNATIONAL



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Accreditation No. 2258.

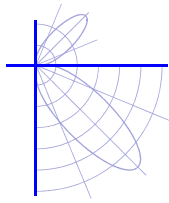
Report of Test

LL15982

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Test Report Number LL15982

Client Empyrean Lighting

Contact Kevin Day

Address University of the Sunshine Coast
90 Sippy Downs Rd, Sippy Downs. QLD. 4556.

Devices Tested A Recessed LED Spotlight,

Cat No.: PolarisXPH-7WMR16-W30.

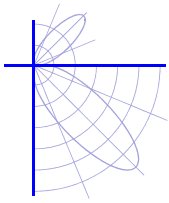
Nature of Tests To determine the total circuit power (known as Lamp Circuit Power or 'LCP') of the supplied MR16 LED spotlight and driver combination while operating under standard laboratory conditions with the supply set to 240 V 50 Hz.

Sample Selection This laboratory has not exercised control over the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent to which the test sample is representative of production units.

Procedure The sample was tested in free air with glass horizontal and face down in a draft free room. The supply voltage and frequency to the control gear was set according to the values in Table 1 and the sample was operated for a minimum of 6 hrs prior to recording measurements. The relevant measurements are recorded in Table 1.

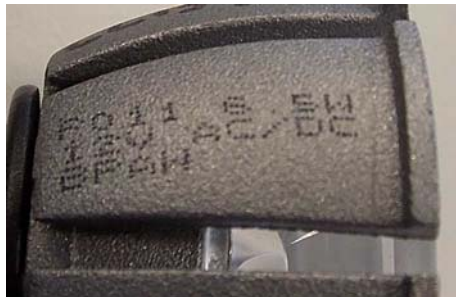
All measurements were performed in a controlled environment of 25 ± 1 ° Celsius.

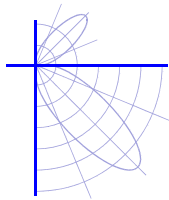




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Photographs





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Test Results

Supply Voltage (Vac)	Supply Frequency (Hz)	Supply Current (Aac)	Measured Total Circuit Power (W)
240.0	50.0	0.063	7.1

Table 1 – measurements

The control gear used for this test:

“Osram ET-Redback 60VA/230-240” electronic transformer.

Uncertainties

Temperature*	± 1° Celsius
Electrical Power (ac)*	± 0.5%
Electrical Voltage (ac)*	± 0.5%
Electrical Current (ac)*	± 0.5%
Frequency (Hz)	± 0.2%

Date of Test 07/11/2012
Date of Report 22/11/2012

Authorised Signatory

Toby Southgate

Accreditation & traceability

The laboratory is NATA accredited to ISO17025 : 2005 (details at www.nata.asn.au). The laboratory registration covers measurement and calculation of quantities indicated by *. Uncertainties calculated for this sample are at the 95% confidence interval with coverage factor k = 2 for measured and calculated quantities. All measurements are traceable through the Australian National Measurement Institute to International standards.

Circuit Power Template, Document revision 1.4, 27th Sept 2012

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