



## Integrating Sphere Test Report

Relevant Standards

IES LM-79-2008

ANSI C78.377-2008, ANSI C82.77

CIE 13.3-1995, CIE 15-2004

Prepared For

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Catalog Number

PAR38 NEW YORK

LTL Test Number

24972

Test Date

2011-08-16

Prepared By

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Approved By

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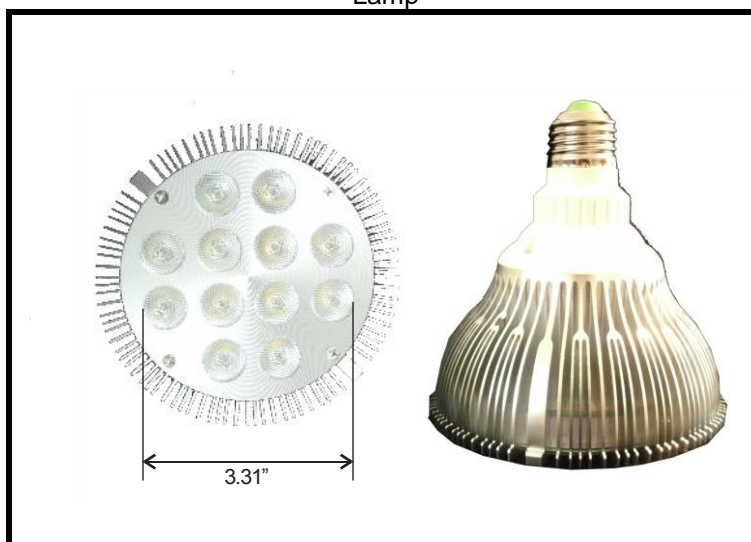
The results contained in this report pertain only to the tested sample.

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Lamp Description: Machined aluminum heatsink housing, no enclosure  
Catalog Number: PAR38 NEW YORK  
Lamp: One PAR38 LED replacement lamp with 12 white LEDs with clear prismatic plastic optics below each  
Mounting: VBU

Lamp



Summary of Results

Radiant Flux: 3259 mW  
Luminous Flux: 1056 Lumens  
Lamp Efficacy: 79.3 Lumens/Watt  
CCT: 3909 K  
CRI (Ra): 80.5  
Chromaticity (x): 0.3852  
Chromaticity (y): 0.3818  
Chromaticity (u): 0.2262  
Chromaticity (v): 0.3363  
Duv: 0.0009

Test Conditions

Test Temperature: 24.1 °C  
Voltage: 120.0 VAC  
Current: 0.1115 A  
Power: 13.32 W  
Power Factor: 0.996  
Frequency: 60 Hz  
Current THD: 8.85 %

Testing was performed in a Labsphere SLMS7650 two meter integrating sphere using the 4π geometry method, a Labsphere CDS 1100 spectrometer, and LightMtrX software. Absorption correction was employed for this measurement.



Chromaticity Coordinates

x	y	u	v	u'	v'	Duv
0.3852	0.3818	0.2262	0.3363	0.2262	0.5045	0.0009

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
80.5	78.7	86.3	90.8	78.5	77.5	79.6	87.0	65.6	10.1	65.7	74.3	53.5	80.3	94.5

