



# LUMINAIRE TESTING LABORATORY, INC.

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IESNA

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LTL Number: 13832

Date: 08-14-2008

Prepared For: Diogen Lighting

Catalog Number: PAR38

Lamp: PAR38 LED Replacement lamp with 90 White LEDs

LED Power Supply: Integral

Lamp Efficacy: 54.0 Lumens/Watt

Lamp Arc Voltage	Lamp Current	Lamp Watts	Frequency	Wavelength in nm	Spectral Flux in mW/nm	Wavelength in nm	Spectral Flux in mW/nm
120.0VAC	0.1560A	11.82W	60Hz				
Radiant Flux mW	Luminous Flux lumen	Corr.Color Temperature K	Color Rend. Index Ra				
1830.923	637.954	3246	67.3	350	0.0731	610	11.0250
Chroma x	Chroma y	Chroma u	Chroma v	360	0.0596	620	9.6379
0.4208	0.3989	0.2424	0.3446	370	0.0700	630	8.1618
				380	0.0481	640	6.7132
				390	0.0605	650	5.4245
				400	0.0733	660	4.3372
				410	0.1170	670	3.3737
				420	0.3559	680	2.6292
				430	1.1127	690	2.0440
				440	2.6112	700	1.5676
				450	4.9930	710	1.1943
				460	7.5721	720	0.9105
				470	6.0057	730	0.7181
				480	4.0125	740	0.5482
				490	2.8165	750	0.4281
				500	2.5131	760	0.3261
				510	2.9614	770	0.2699
				520	3.9901	780	0.2428
				530	5.4053	790	0.1776
				540	7.1859	800	0.1330
				550	9.1567	810	0.1248
				560	11.0230	820	0.0881
				570	12.4460	830	0.0496
				580	13.0290	840	0.0574
				590	12.9640	850	0.0656
				600	12.1780		

