



8165 E Kaiser Blvd. Anaheim, CA 92808  
www.lightlaboratory.com

Report No: L121911552TM30

Date: 1/21/2020



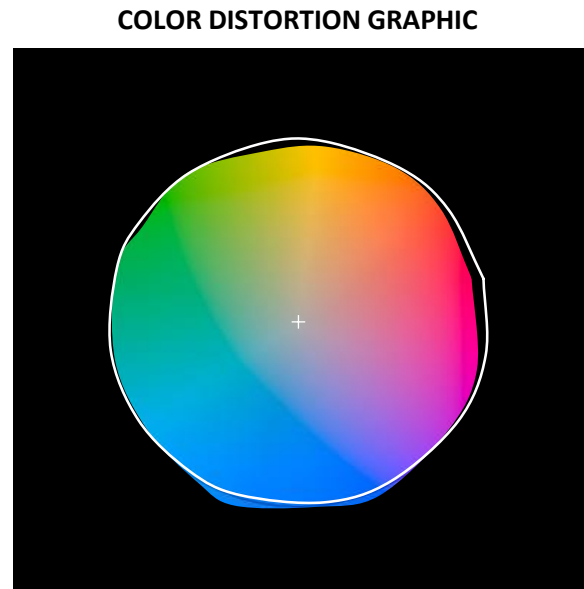
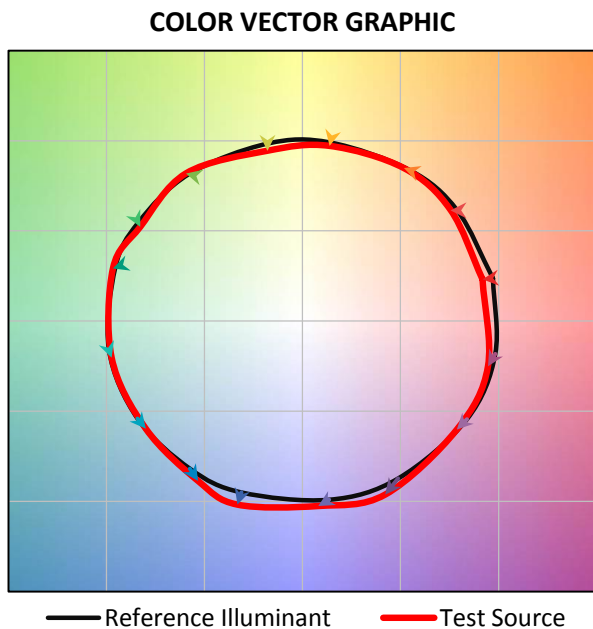
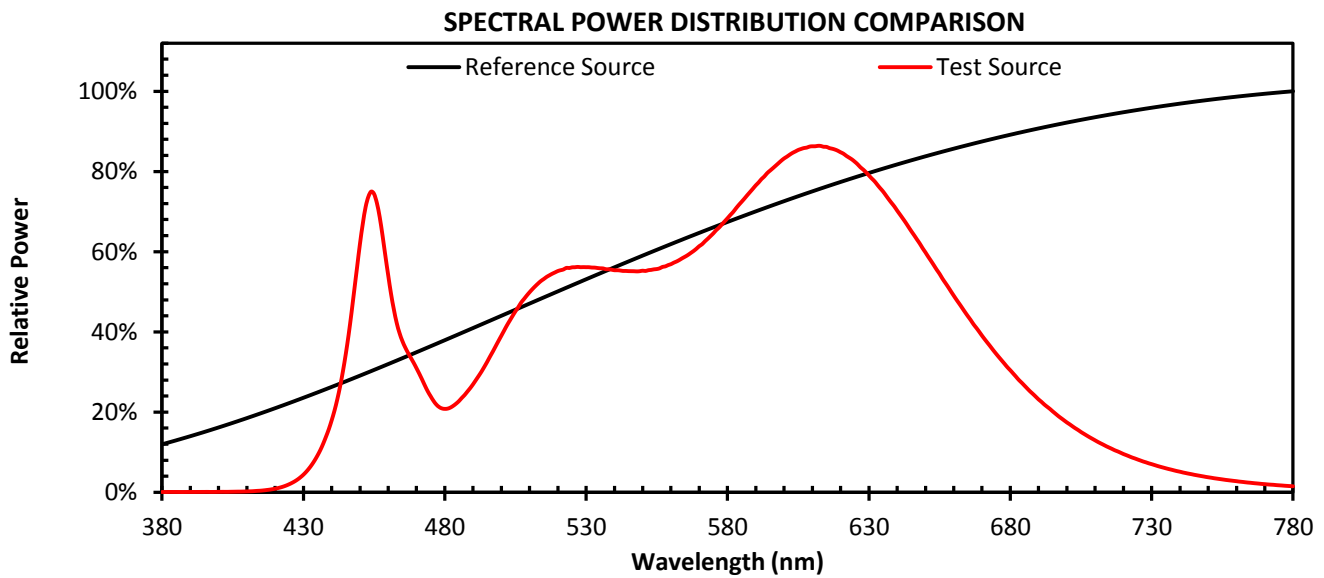
## TM-30-15 REPORT

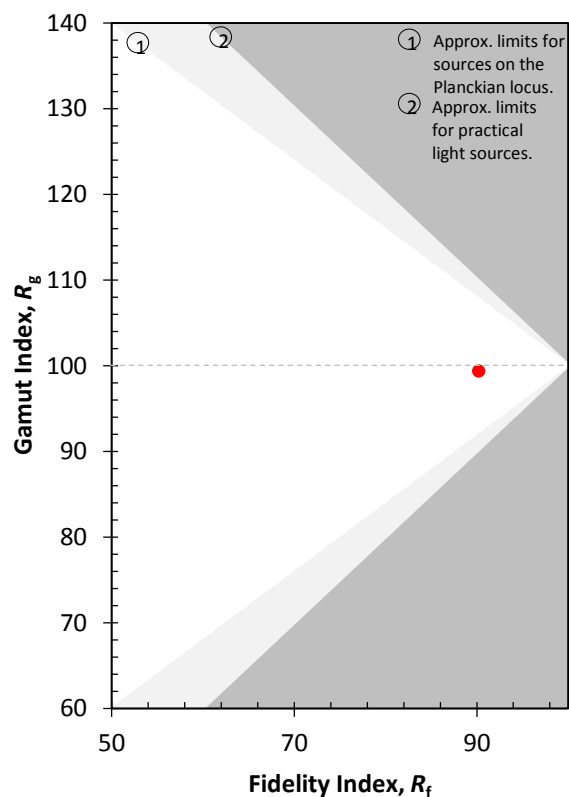
Report No:	L121911552TM30
Prepared For:	Vode Lighting 21684 8th Street East, Suite 700, Sonoma, CA 95476
Model Number:	707-Z3-48-Z-CC-SO-359-U2S1-AL
Testing Lab:	Light Laboratory Inc.
Reference report No:	L121911552
Remark:	This report is based on the data from Light Laboratory Inc. report L121911552

### Results Summary

Metric	Result	Notes
$R_f$	90	IES TM-30-15 Fidelity Index
$R_g$	99	IES TM-30-15 Gamut Index
CIE $R_a$	94	CIE Test Color Method General Index
$R_9$	57	CIE Test Color Method Sample Nine Score
$R_{f,skin}$	94	Average of CES15 and CES18 (skin)
CCT	3398	Correlated Color Temperature
$D_{uv}$	-0.0012	Distance from the blackbody locus
$x$	0.4098	CIE 1931 chromaticity coordinate
$y$	0.3901	CIE 1931 chromaticity coordinate
$u$	0.2389	CIE 1960 chromaticity coordinate
$v$	0.3411	CIE 1960 chromaticity coordinate
$u'$	0.2389	CIE 1976 chromaticity coordinate
$v'$	0.5116	CIE 1976 chromaticity coordinate

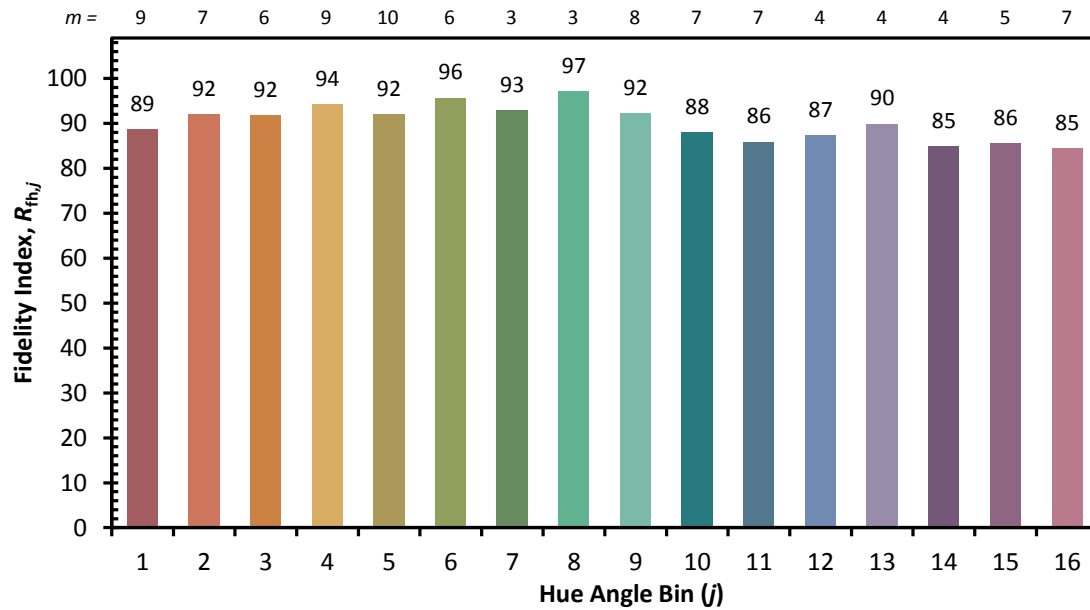
\*All Results in accordance to IES TM-30-15: IES Method for Evaluating Light Source Color Rendition





Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	1%
2	92	-3%	2%
3	92	-1%	3%
4	94	-2%	0%
5	92	-4%	1%
6	96	1%	1%
7	93	-2%	1%
8	97	1%	1%
9	92	0%	5%
10	88	0%	7%
11	86	3%	7%
12	87	7%	-1%
13	90	2%	-6%
14	85	4%	-10%
15	86	-1%	-8%
16	85	-2%	-7%

### Hue Angle Bin vs. Fidelity Index



### Hue Angle Bin vs. Change of Chroma

