aspectLED

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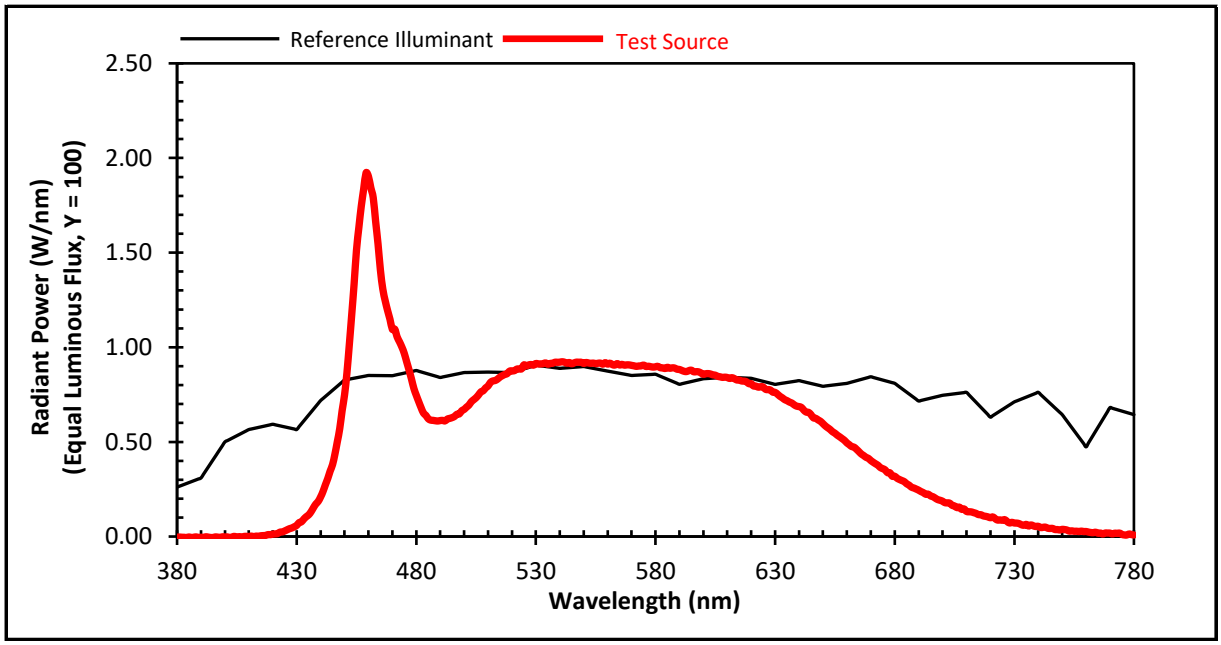
Photometric Measurement Report

Measured via Labsphere's Integral™ Light Measurement Platform

TM-30 Graphical Data via IES TM-30 Basic Calculator Version 2.05

Product	AL-SL-LN-IP20-24			11/5/25 1:08 PM	
Description	Dotless LED Strip Lights – Static White			Integration Time	59.60
				Scans Averaged	3
Notes	1M			Saturation	82.02%
Scan ID	289	Test by	EV	Sphere Geometry	4pi



CCT (K)	Lumens	Watts	Volts (DC)	Amps	Efficacy
5799.00	1434.42	15.13	24.00	0.63	94.78

CIE 1931			CIE 1960		CIE 1796	
x	y	Y	u	v	u'	v'
0.33	0.35	2.10	0.20	0.32	0.20	0.48

CRI (Ra)			90.19		
R1	90	R6	91	R11	89
R2	95	R7	92	R12	65
R3	97	R8	80	R13	92
R4	88	R9	46	R14	99
R5	89	R10	87	R15	85

CQS (Qa)			88.96		
VS1	86	VS6	88	VS11	93
VS2	98	VS7	91	VS12	92
VS3	87	VS8	94	VS13	92
VS4	82	VS9	98	VS14	84
VS5	86	VS10	95	VS15	85

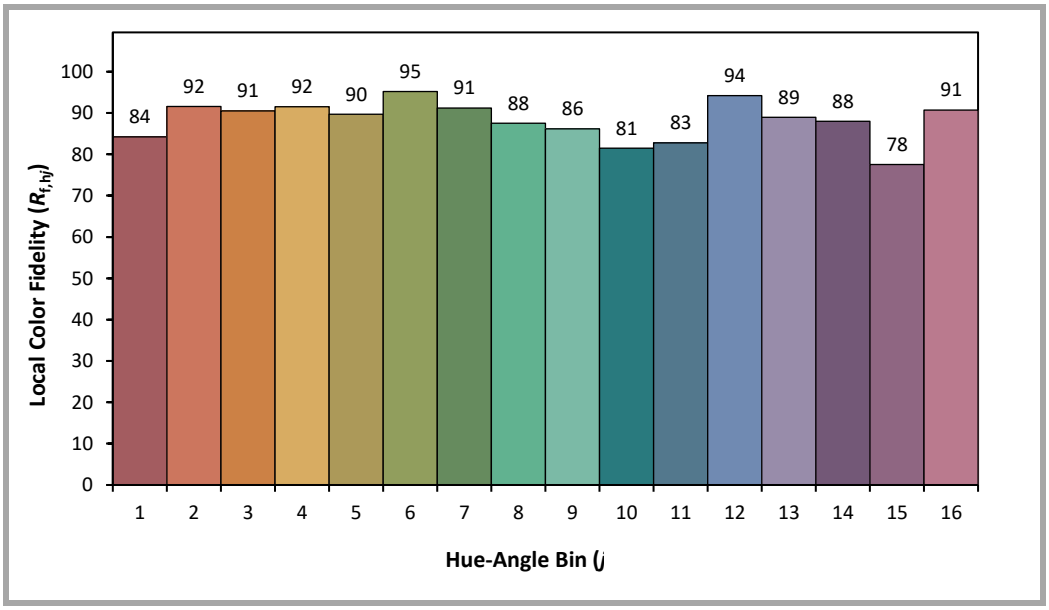
Understanding TM-30

Measure	*Symbol*	*Description*	*Typical Values*
Fidelity Index	Rf	Overall average similarity	70 to 100
Gamut Index	Rg	Overall average saturation (change in chroma) >100 = Oversaturated, <100 = Desaturated	80 to 120
Color Vector Graphic	CVG	Visual representation of hue and saturation changes	n/a
Local Color Fidelity	Rf,hj	Average similarity for a specific hue-angle bin (16 values)	60 to 100
Local Chroma Shift	Rcs,hj	Average relative change in chroma for a specific hue-angle bin (16 values)	-20% to 20%
Local Hue Shift	Rhs,hj	Average change in hue angle (in radians) for a specific hue-angle bin (16 values)	-0.2 to 0.2
Sample Color Fidelity	Rf,ces	Average similarity for a specific color sample (99 values)	60 to 100

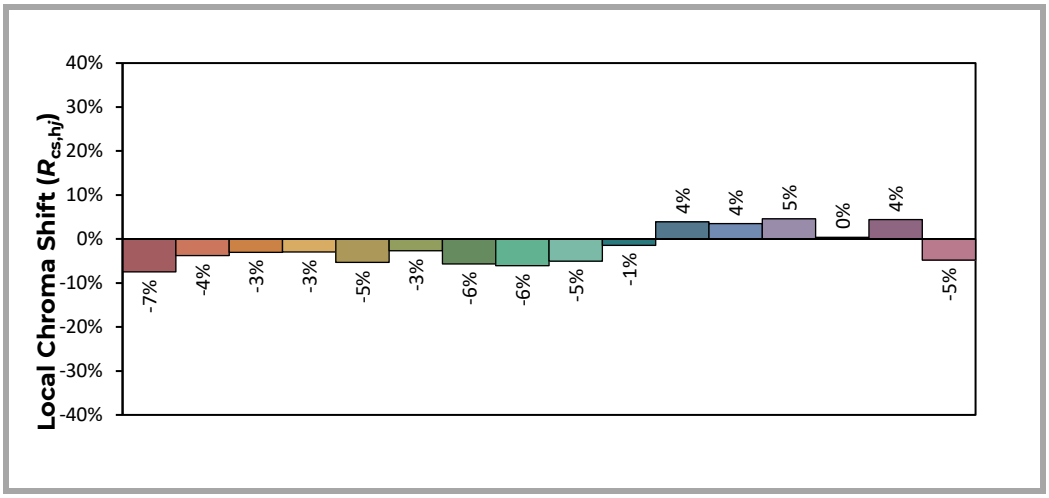
TM-30 Measurements

TM-30		
	Rf	88.12
	Rg	95.36

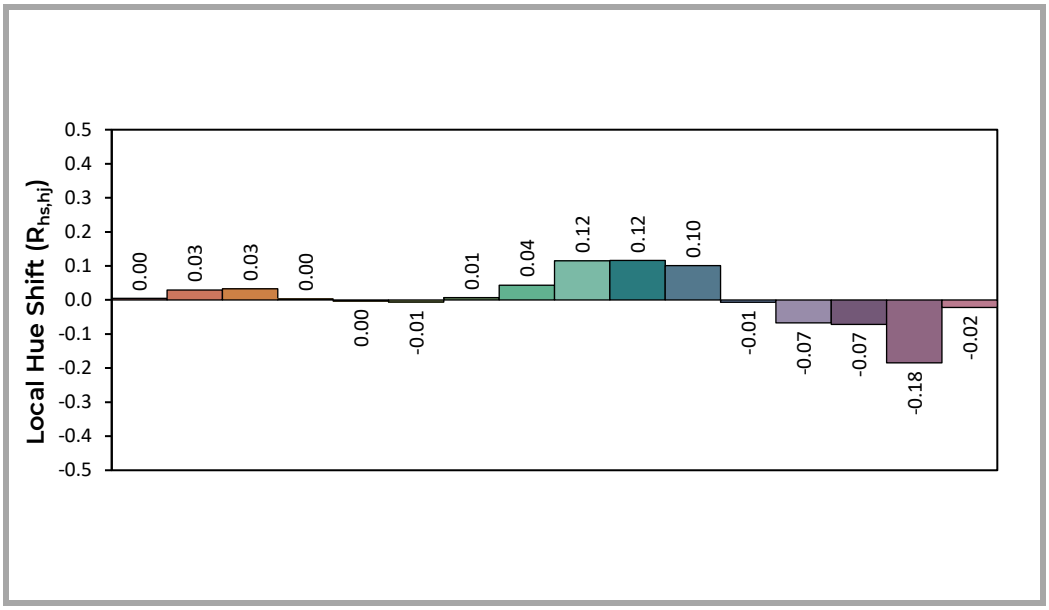
Local Color Fidelity							
Rf,hj 1	84.2	Rf,hj 5	89.7	Rf,hj 9	86.2	Rf,hj 13	89.0
Rf,hj 2	91.6	Rf,hj 6	95.2	Rf,hj 10	81.5	Rf,hj 14	88.0
Rf,hj 3	90.5	Rf,hj 7	91.2	Rf,hj 11	82.8	Rf,hj 15	77.5
Rf,hj 4	91.5	Rf,hj 8	87.5	Rf,hj 12	94.2	Rf,hj 16	90.7



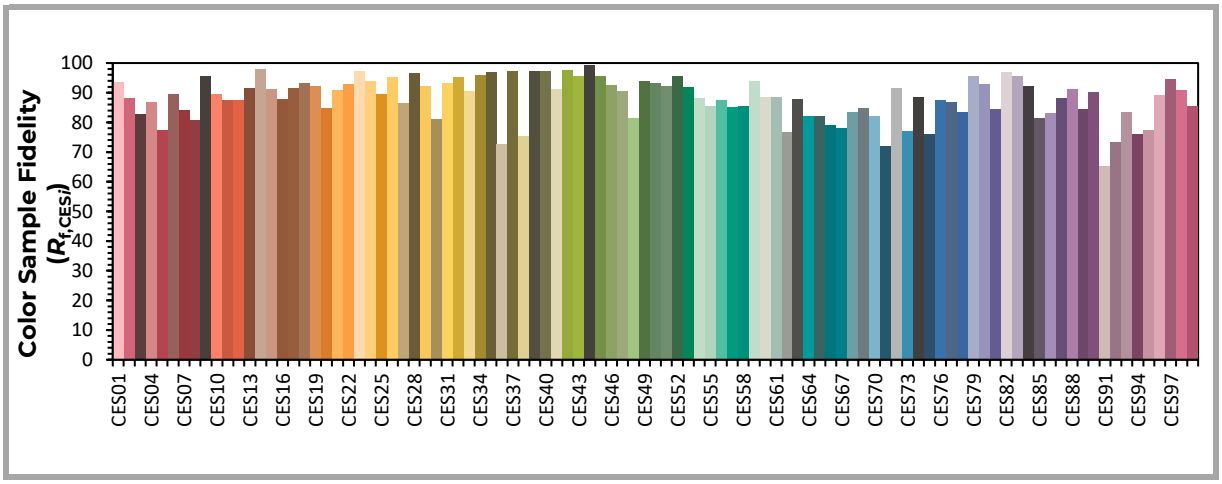
Local Chroma Shift							
Rcs,hj 1	-7.5	Rcs,hj 5	-5.3	Rcs,hj 9	-5.0	Rcs,hj 13	4.6
Rcs,hj 2	-3.8	Rcs,hj 6	-2.7	Rcs,hj 10	-1.5	Rcs,hj 14	0.4
Rcs,hj 3	-3.0	Rcs,hj 7	-5.7	Rcs,hj 11	3.9	Rcs,hj 15	4.4
Rcs,hj 4	-3.0	Rcs,hj 8	-6.1	Rcs,hj 12	3.5	Rcs,hj 16	-4.8



Local Hue Shift							
Rhs,hj 1	0.00	Rhs,hj 5	0.00	Rhs,hj 9	0.12	Rhs,hj 13	###
Rhs,hj 2	0.03	Rhs,hj 6	-0.01	Rhs,hj 10	0.12	Rhs,hj 14	###
Rhs,hj 3	0.03	Rhs,hj 7	0.01	Rhs,hj 11	0.10	Rhs,hj 15	-0.18
Rhs,hj 4	0.00	Rhs,hj 8	0.04	Rhs,hj 12	-0.01	Rhs,hj 16	###

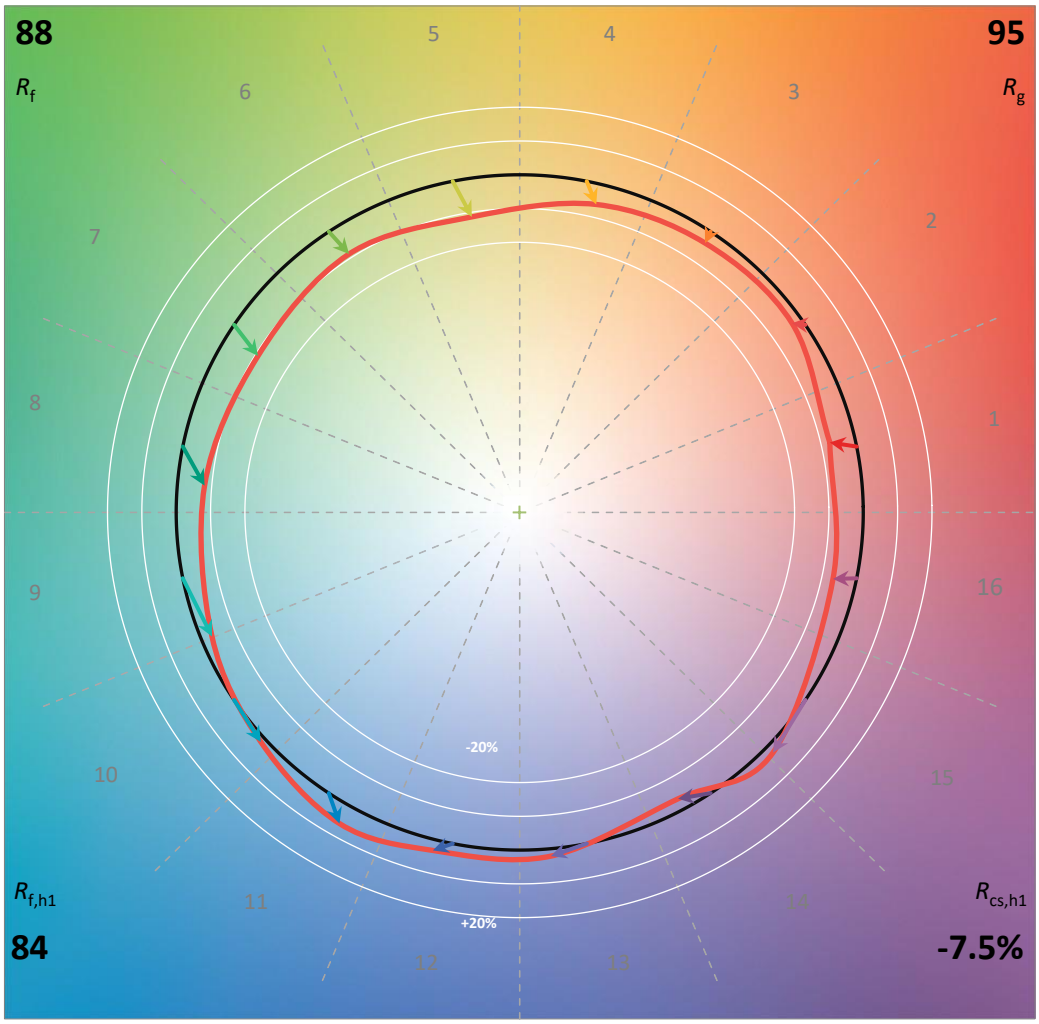


Sample Color Fidelity							
Rf,ces 1	93.7	Rf,ces 26	95.3	Rf,ces 51	92.2	Rf,ces 76	87.3
Rf,ces 2	88.2	Rf,ces 27	86.3	Rf,ces 52	95.6	Rf,ces 77	87.0
Rf,ces 3	82.7	Rf,ces 28	96.6	Rf,ces 53	92.0	Rf,ces 78	83.5
Rf,ces 4	86.9	Rf,ces 29	92.3	Rf,ces 54	88.0	Rf,ces 79	95.5
Rf,ces 5	77.4	Rf,ces 30	81.0	Rf,ces 55	85.3	Rf,ces 80	92.9
Rf,ces 6	89.5	Rf,ces 31	93.3	Rf,ces 56	87.3	Rf,ces 81	84.6
Rf,ces 7	84.1	Rf,ces 32	95.1	Rf,ces 57	85.0	Rf,ces 82	96.8
Rf,ces 8	80.8	Rf,ces 33	90.7	Rf,ces 58	85.4	Rf,ces 83	95.7
Rf,ces 9	95.7	Rf,ces 34	96.0	Rf,ces 59	94.0	Rf,ces 84	92.2
Rf,ces 10	89.4	Rf,ces 35	97.1	Rf,ces 60	88.5	Rf,ces 85	81.3
Rf,ces 11	87.6	Rf,ces 36	72.8	Rf,ces 61	88.5	Rf,ces 86	83.1
Rf,ces 12	87.5	Rf,ces 37	97.3	Rf,ces 62	76.8	Rf,ces 87	88.2
Rf,ces 13	91.4	Rf,ces 38	75.3	Rf,ces 63	87.7	Rf,ces 88	91.2
Rf,ces 14	97.8	Rf,ces 39	97.1	Rf,ces 64	82.3	Rf,ces 89	84.5
Rf,ces 15	91.1	Rf,ces 40	97.3	Rf,ces 65	82.1	Rf,ces 90	90.1
Rf,ces 16	87.7	Rf,ces 41	91.1	Rf,ces 66	79.0	Rf,ces 91	65.4
Rf,ces 17	91.4	Rf,ces 42	97.8	Rf,ces 67	78.1	Rf,ces 92	73.2
Rf,ces 18	93.2	Rf,ces 43	95.5	Rf,ces 68	83.5	Rf,ces 93	83.3
Rf,ces 19	92.3	Rf,ces 44	99.2	Rf,ces 69	84.8	Rf,ces 94	75.9
Rf,ces 20	84.8	Rf,ces 45	95.7	Rf,ces 70	82.2	Rf,ces 95	77.3
Rf,ces 21	90.7	Rf,ces 46	92.6	Rf,ces 71	71.9	Rf,ces 96	89.0
Rf,ces 22	92.8	Rf,ces 47	90.5	Rf,ces 72	91.5	Rf,ces 97	94.6
Rf,ces 23	97.2	Rf,ces 48	81.4	Rf,ces 73	77.1	Rf,ces 98	90.8
Rf,ces 24	94.0	Rf,ces 49	93.7	Rf,ces 74	88.5	Rf,ces 99	85.5
Rf,ces 25	89.5	Rf,ces 50	93.1	Rf,ces 75	75.9		



TM-30 Color Vector Graphic (CVG)

The Color Vector Graphic (CVG) shows a normalized version of the average change in (a', b') coordinates of CAM02-UCS for the CES within each hue-angle bin.



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Integral