

# LEDALITE - TRUGROOVE SUSPENDED

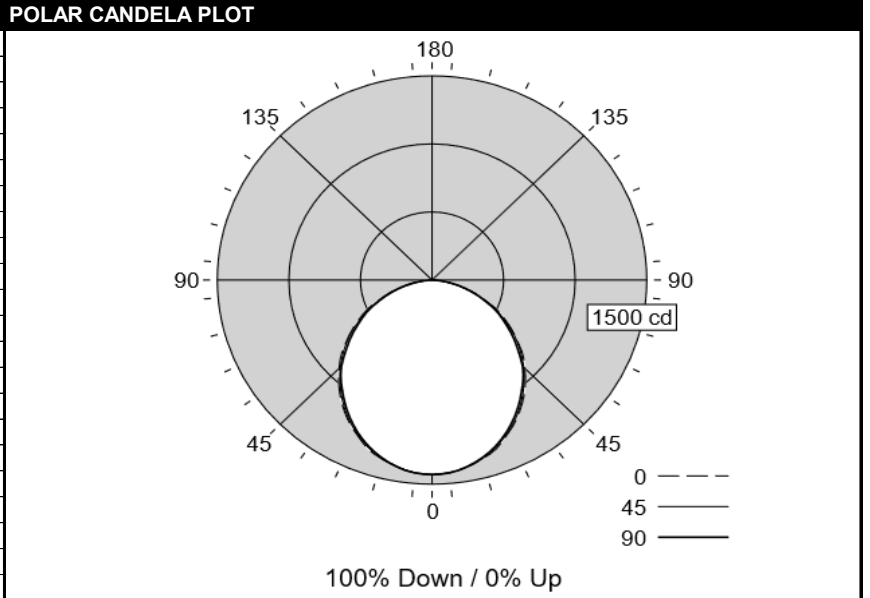


by @ignify

**TEST DATE:** 04 May 2021 **CATALOG NO:** 29x1L92740LN

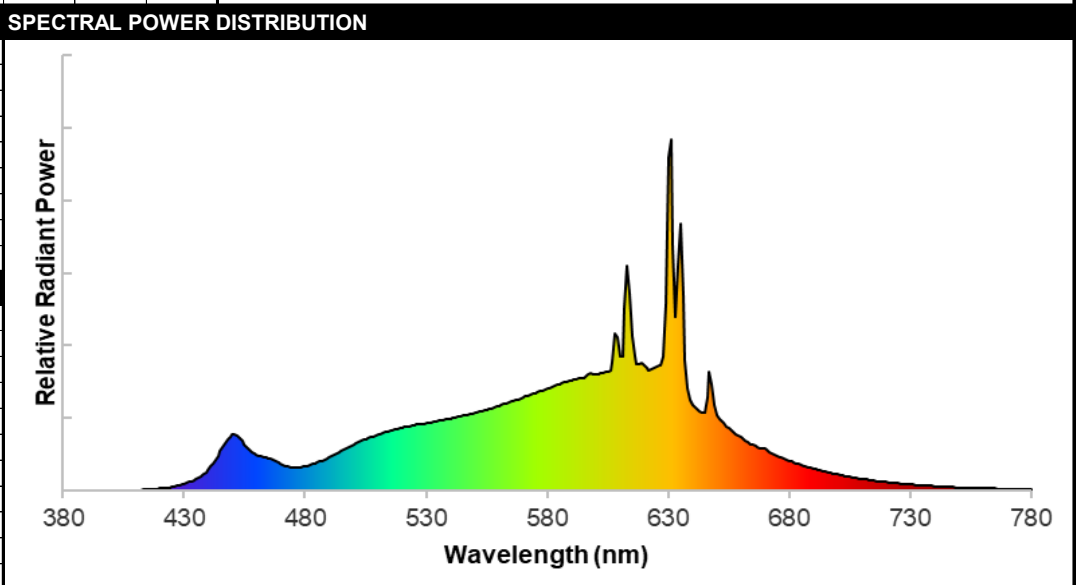
<b>Lamp Type:</b>	LED	<b>Description:</b>	DIRECT SILK 4000LM 927
<b>No. of Lamps:</b>	88		
<b>Rated Lamp Lumens:</b>	-1	<b>Flux (lm), Efficiency (%):</b>	3919 lm 100%
<b>Input Watts:</b>	120 VAC 42.0	<b>Up/Dn Ratio, Efficacy (lm/W):</b>	100% Down / 0% Up 93.3
<b>CIE-IES Classification:</b>	Direct	<b>Report:</b>	LNG01288

	Flux					
	0	22.5	45	67.5	90	Lumens
0	1430	1430	1430	1430	1430	
5	1422	1422	1421	1424	1421	135
15	1360	1367	1358	1366	1353	384
25	1249	1259	1242	1250	1232	575
35	1101	1113	1089	1095	1072	685
45	918	930	905	911	895	703
55	706	721	699	705	672	628
65	487	501	474	479	461	474
75	247	263	244	249	241	265
85	56	62	57	60	54	69
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	



RP1	None		COEFFICIENTS OF UTILIZATION (%)													
	Pc---	Pw---	80				70			50			0			
Direct: Peak Candela & Angle (0°)	1429.8	0.0	70	50	30	10	70	50	30	50	30	10	0			
Direct: Peak Candela & Angle (90°)	1429.8	0.0	RCR													
Spacing Criteria (0°, 90°, 180°)	1.23	1.21	N/A	0	119	119	119	119	116	116	116	111	111	111	100	
Beam (H, V), Field (H, V)	106.1	109.2	160.4	160.9	1	109	104	100	96	106	102	98	98	94	91	84
Indirect: Peak Candela & Angle(°)	N/A	N/A	2	99	91	84	78	96	89	83	85	80	75	70		
Indirect: Zenith Candela, Peak to Zenith	N/A	N/A	3	90	80	72	65	88	78	71	75	69	63	59		
Luminous Width, Length, Height (ft)	0.25	4.00	0.00	4	83	71	62	55	80	69	61	67	60	54	50	
DLC, UGR (4H x 8H, 1.0H), MDER	N/A	25.3	0.445	5	76	63	54	48	74	62	54	60	52	47	44	
x, y, CCT, D <sub>uv</sub>	0.4580	0.4092	2715	-0.0004	6	70	57	48	42	68	56	47	54	47	41	38
CRI (R <sub>a</sub> ), R <sub>g</sub> , G <sub>a</sub> , C <sub>g</sub>	94	55	99	93	7	65	52	43	37	63	51	42	49	42	36	34
TM-30-18 R <sub>f</sub> , R <sub>g</sub> , R <sub>h1</sub> , R <sub>g</sub> , R <sub>mh1</sub>	92	90	100	-6%	8	61	47	39	33	59	46	38	45	38	32	30
120V: P(W), I(A), THD(%), PF	42.0	0.351	7.2	0.996	9	57	43	35	29	55	43	35	41	34	29	27
277V: P(W), I(A), THD(%), PF	41.7	0.155	11.2	0.968	10	53	40	32	27	52	39	32	38	31	27	25
347V: P(W), I(A), THD(%), PF	41.3	0.122	7.4	0.977	*Based on a floor reflectance of 0.2											

Zone	Lumens	%Fixture	%Lamp
0-30	1095	27.9%	27.9%
0-40	1780	45.4%	45.4%
0-60	3111	79.4%	79.4%
0-90	3920	100.0%	100.0%
90-130	0	0.0%	0.0%
90-150	0	0.0%	0.0%
90-180	0	0.0%	0.0%
0-180	3919	100.0%	100.0%

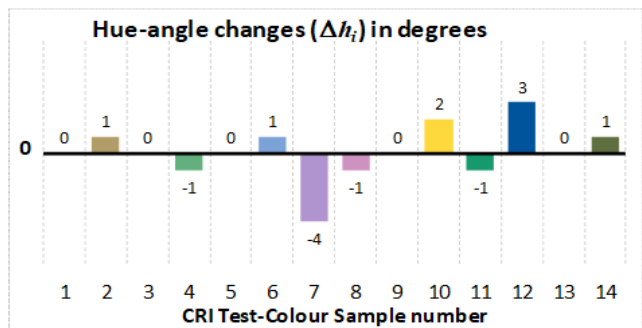
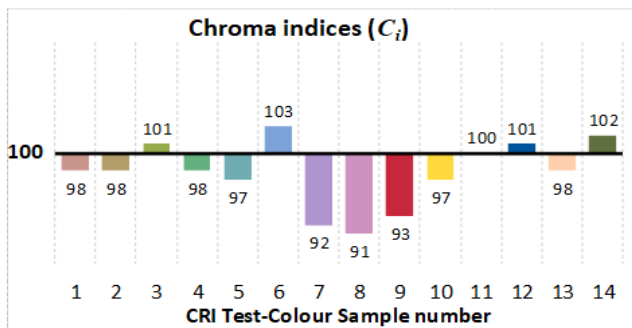
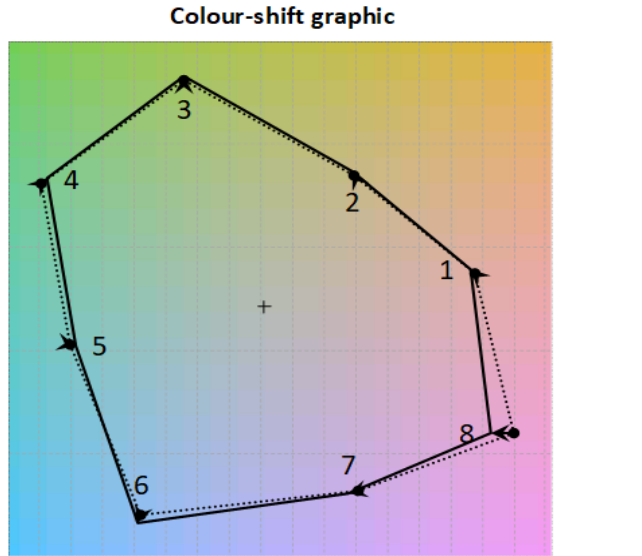
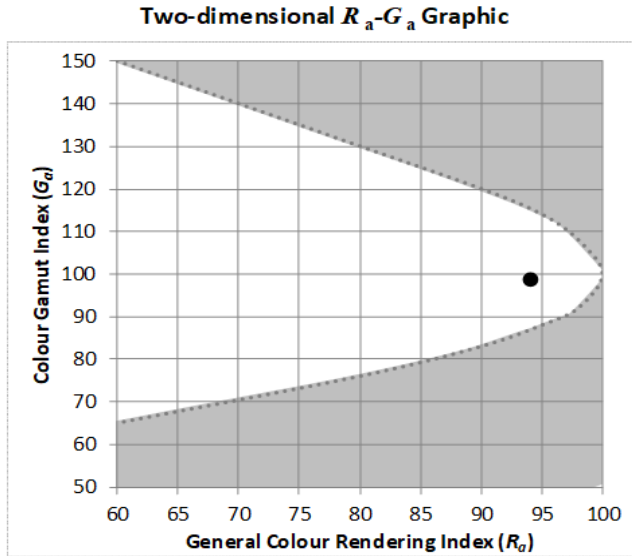
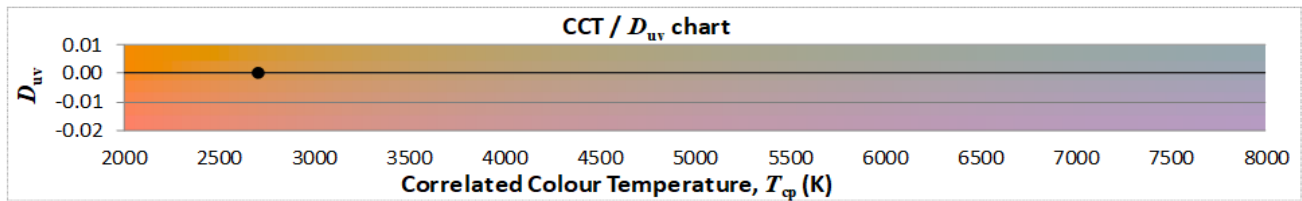
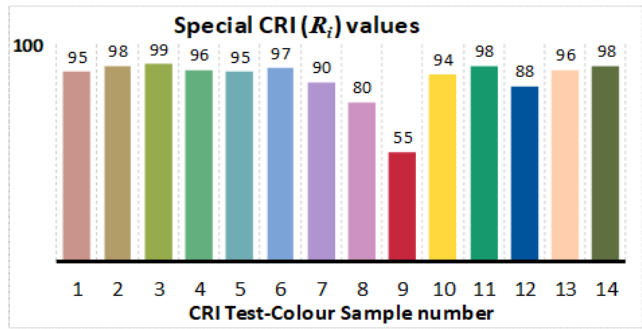
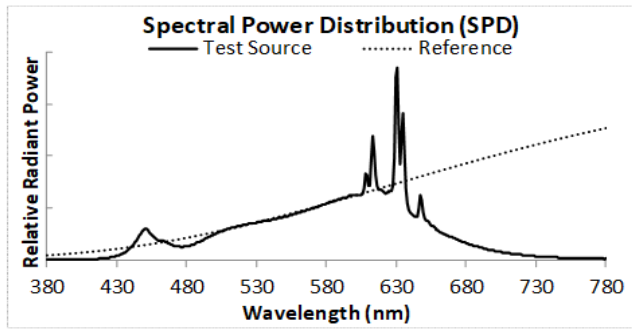


	0	45	90
0	15385	15385	15385
5	15354	15344	15353
15	15154	15132	15068
25	14829	14747	14631
35	14460	14299	14085
45	13968	13777	13618
55	13244	13117	12608
65	12402	12063	11732
75	10269	10148	9998
85	6852	6975	6642

# Output of GLA Calculation Tool for CIE 13.3 CRI and Associated CRI-based Colour Rendition Properties

<b>Test Number:</b>	T20201101	<b>Manufacturer:</b>	Ledalite by Signify
<b>Date:</b>	27 Aug 2020	<b>Model:</b>	TruGroove Suspended

<b>Correlated Colour Temperature (<math>T_{cp}</math>) in K</b>	2715	<b>CIE1931 chromaticity coordinate, <math>x</math></b>	0.4580
<b>Distance to Blackbody Locus (<math>D_{uv}</math>)</b>	-0.0004	<b>CIE1931 chromaticity coordinate, <math>y</math></b>	0.4092
<b>General Colour Rendering Index (<math>R_a</math>)</b>	94	<b>CIE1976 chromaticity coordinate, <math>u'</math></b>	0.2619
<b>Red Rendering Index (<math>R_9</math>)</b>	55	<b>CIE1976 chromaticity coordinate, <math>v'</math></b>	0.5265
<b>Colour Gamut Index (<math>G_a</math>)</b>	99		
<b>Red Chroma Index (<math>C_9</math>)</b>	93		



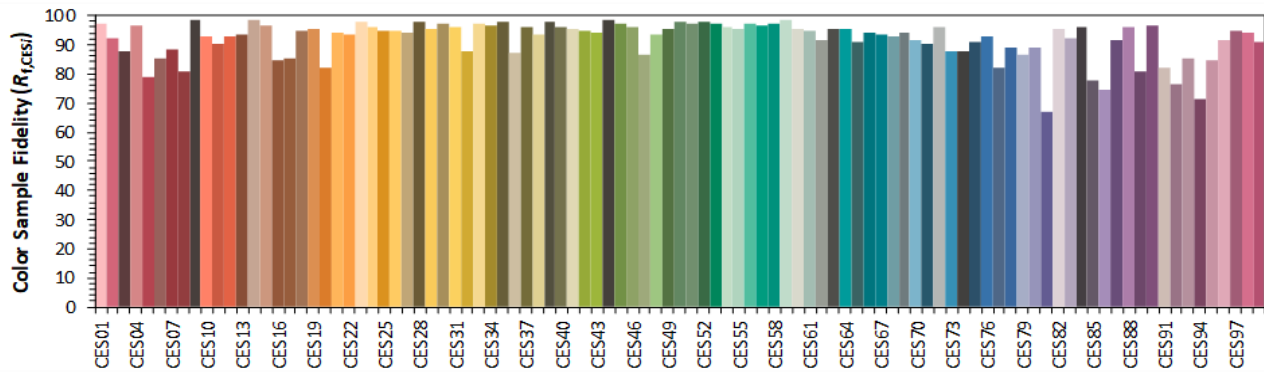
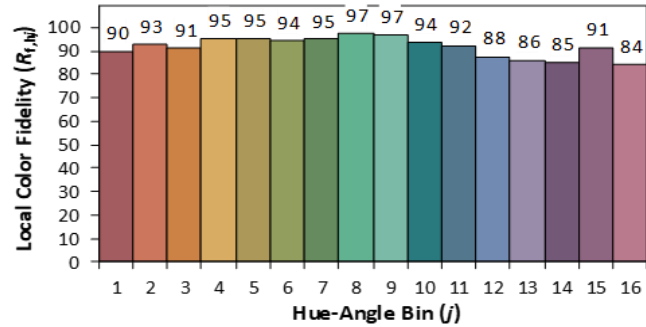
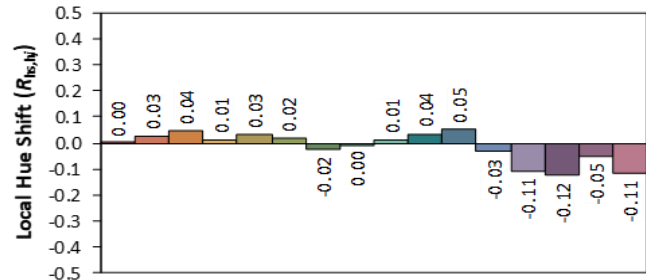
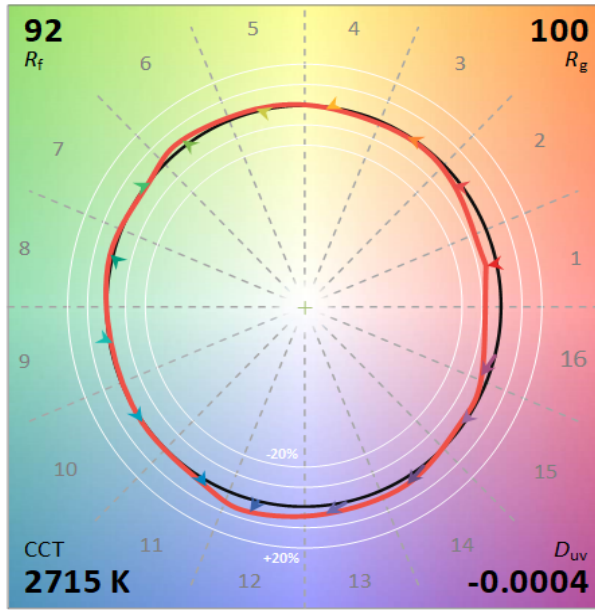
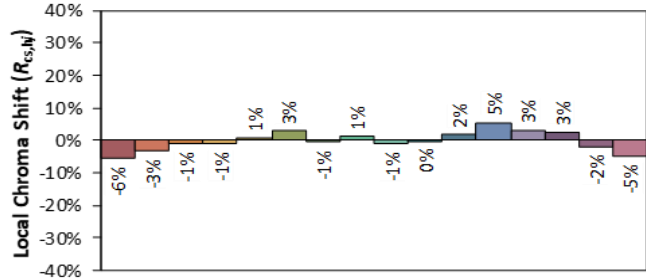
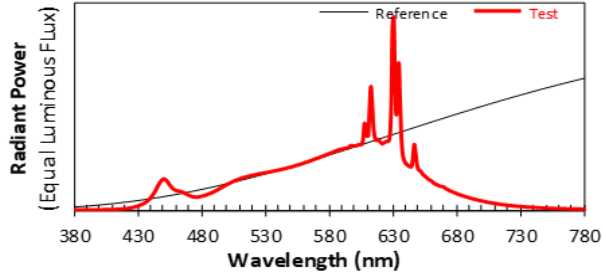
# ANSI/IES TM-30-18 Color Rendition Report

Source: T20201101

Manufacturer: Ledalite by Signify

Date: 27 Aug 2020

Model: TruGroove Suspended



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4580

y 0.4092

u' 0.2619

v' 0.5265

SPECTRAL POWER DISTRIBUTION table with columns for wavelength (nm) and SPD, listing values from 380 to 740 nm in 20nm increments.

UNIFIED GLARE RATING table with columns for Reflectances, Room Size, and UGR Viewed Crosswise/Endwise, listing various room dimensions and resulting UGR values.

The UGR values have been calculated according to CIE Publ. 117.

Spacing-to-Height-Ratio = 1.00.

The highlighted value refers to the UGR value which the luminaire would have in a reference situation with room dimensions of 4H/8H and degrees of reflectance of 20% for the floor, 50% for the walls and 70% for the ceiling, as recommended by DLC.

The UGR value may vary depending on application specific parameters.