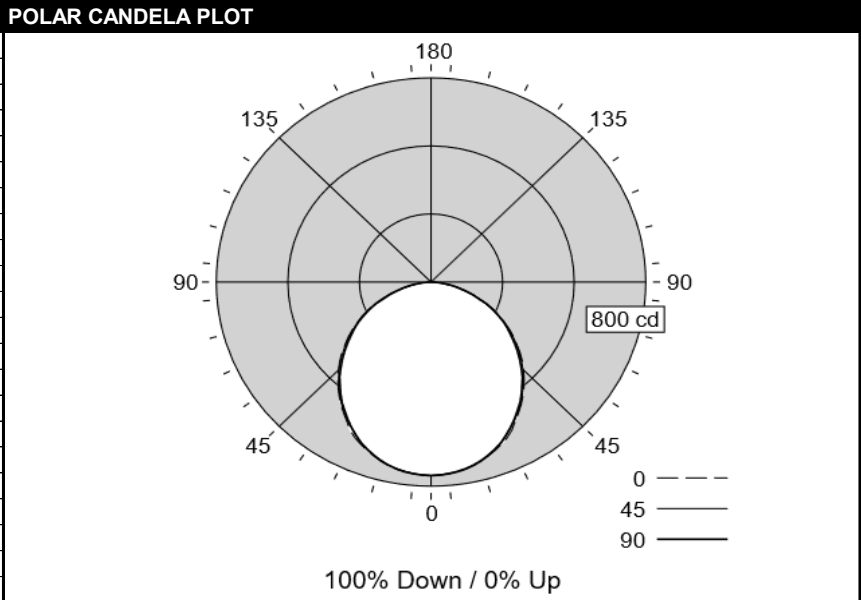


# LEDALITE - TG SUSPENDED/SURFACE/WALL MICRO

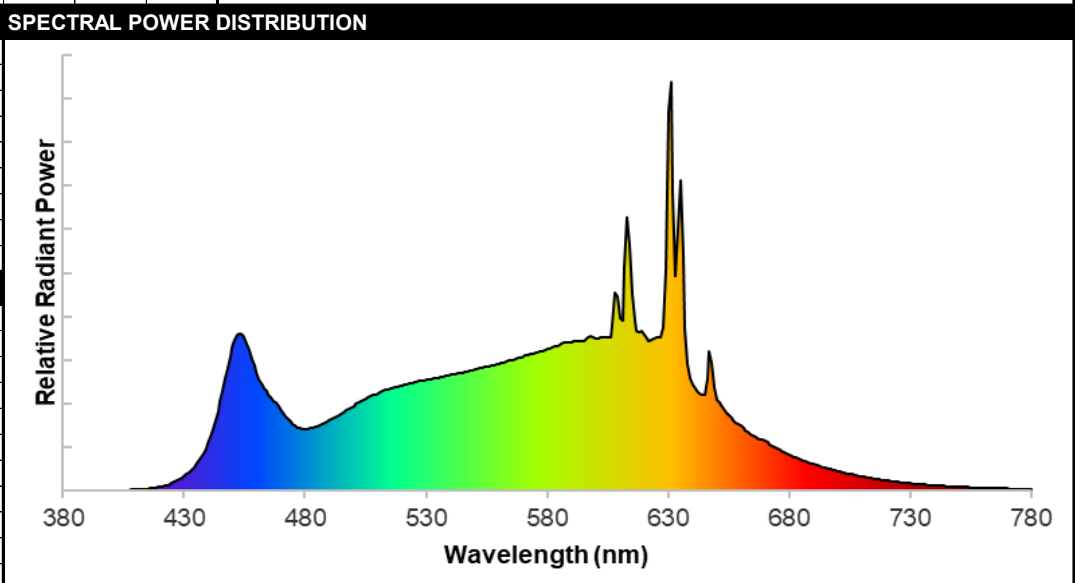
<b>TEST DATE:</b>	10 Jun 2022	<b>CATALOG NO:</b>	TMx1L9T2LNNNN20NNN-35
<b>Lamp Type:</b>	LED	<b>Description:</b>	SILK 2000LM DOWN TW-35
<b>No. of Lamps:</b>	192		
<b>Rated Lamp Lumens:</b>	-1	<b>Flux (lm), Efficiency (%):</b>	2103 lm 100%
<b>Input Watts:</b>	277 VAC 20.6	<b>Up/Dn Ratio, Efficacy (lm/W):</b>	100% Down / 0% Up 102.1
<b>CIE-IES Classification:</b>	Direct	<b>Report:</b>	LNG08891

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	759	759	759	759	759	
5	754	754	754	756	754	72
15	724	726	727	729	724	205
25	673	672	663	671	662	308
35	586	594	582	589	578	367
45	488	497	484	484	476	376
55	377	385	373	379	363	337
65	257	264	254	259	253	255
75	135	142	133	140	128	145
85	33	35	32	38	32	40
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	



CHARACTERISTICS						COEFFICIENTS OF UTILIZATION (%)											
RP1	Meets RP-1-12 recommendations for VDT-Normal spaces					Pc---	80				70			50			0
Direct: Peak Candela & Angle (0°)			758.6	0.0		Pw---	70	50	30	10	70	50	30	50	30	10	0
Direct: Peak Candela & Angle (90°)			758.6	0.0		RCR											
Spacing Criteria (0°, 90°, 180°)	1.23		1.22	N/A		0	119	119	119	119	116	116	116	111	111	111	100
Beam (H, V), Field (H, V)	107.1	109.5	160.9	161.6		1	109	104	100	96	106	102	98	97	94	91	84
Indirect: Peak Candela & Angle(°)			N/A	N/A		2	99	91	84	78	96	89	82	85	80	75	70
Indirect: Zenith Candela, Peak to Zenith			N/A	N/A		3	90	80	71	65	88	78	70	75	68	63	59
Luminous Width, Length, Height (ft)	0.15	4.00	0.00			4	83	70	62	55	80	69	61	67	59	54	50
DLC, UGR (4H x 8H, 1.0H), MDER	N/A	25.0	0.627			5	76	63	54	47	74	62	53	60	52	47	43
x, y, CCT, D <sub>uv</sub>	0.4017	0.3777	3470	-0.0050		6	70	57	48	41	68	56	47	54	46	41	38
CRI (R <sub>a</sub> ), R <sub>g</sub> , G <sub>a</sub> , C <sub>g</sub>	95	72	100	95		7	65	51	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>cs,h1</sub>	91	91	100	-4%		8	61	47	38	33	59	46	38	45	38	32	30
120V: P(W), I(A), THD(%), PF	20.3	0.172	11.8	0.981		9	57	43	35	29	55	43	35	41	34	29	27
277V: P(W), I(A), THD(%), PF	20.6	0.088	16.1	0.847		10	53	40	32	27	52	39	32	38	31	26	24
347V: P(W), I(A), THD(%), PF	0.0	0.000	0.0	0.000		*Based on a floor reflectance of 0.2											

ZONAL LUMENS (lm)			
Zone	Lumens	%Fixture	%Lamp
0-30	584	27.8%	27.8%
0-40	951	45.2%	45.2%
0-60	1663	79.1%	79.1%
0-90	2103	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	2103	100.0%	100.0%

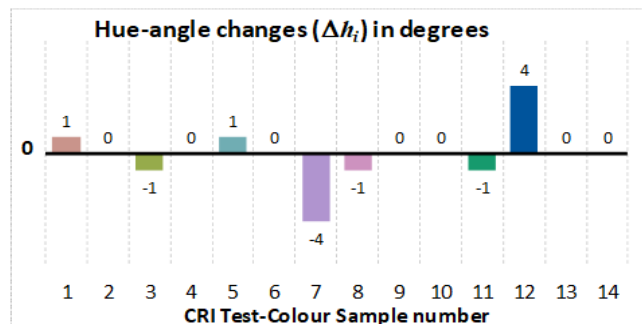
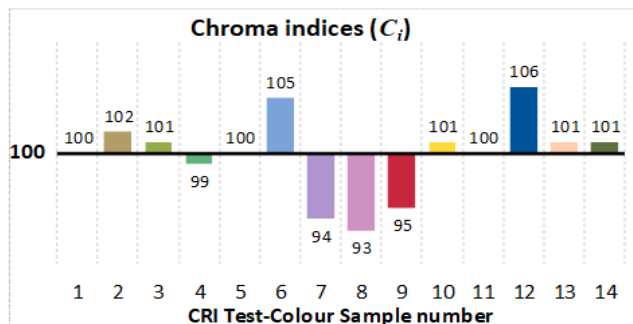
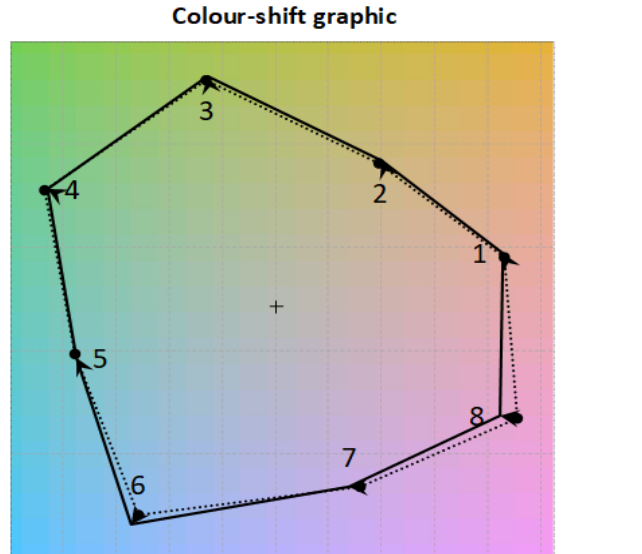
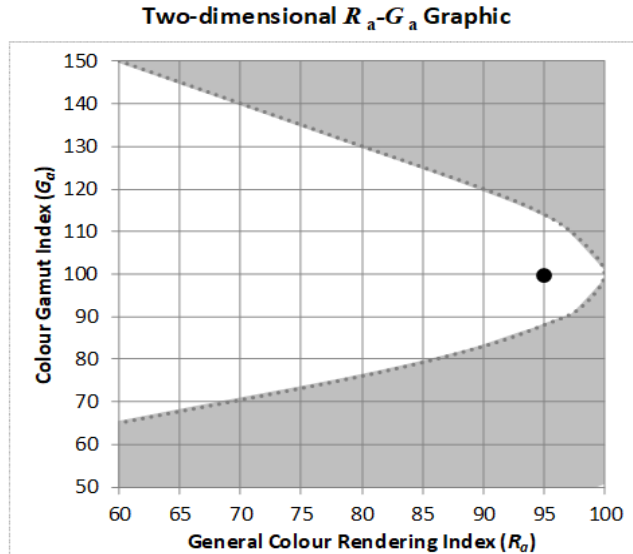
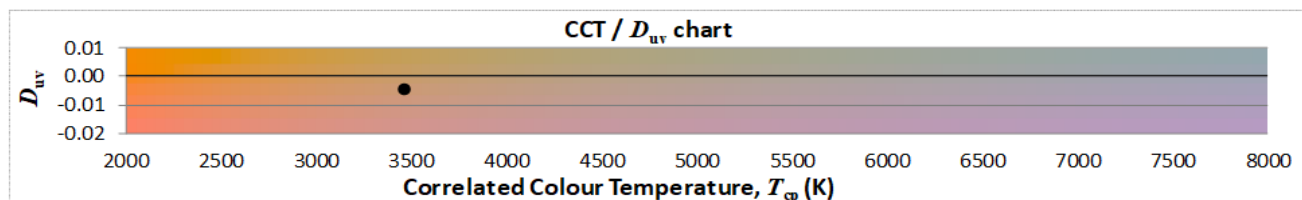
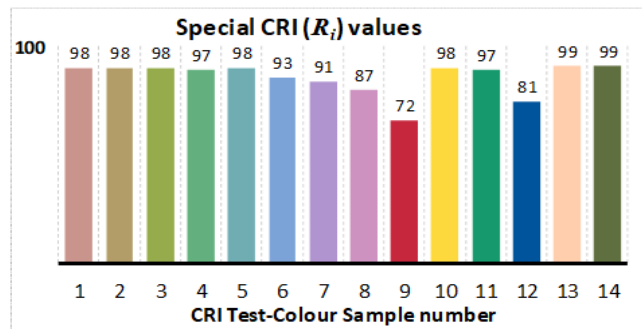
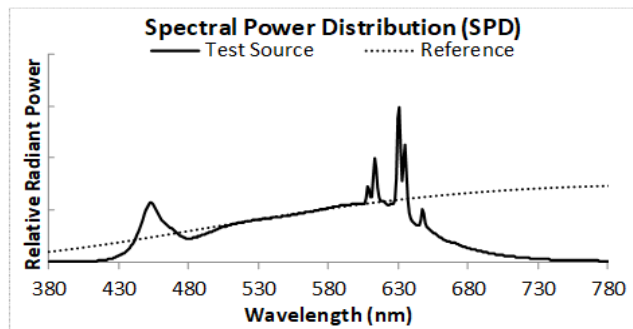


AVG LUMINANCE (cd/m <sup>2</sup> )			
	0	45	90
0	13604	13604	13604
5	13573	13564	13577
15	13447	13488	13436
25	13309	13125	13093
35	12820	12739	12647
45	12364	12285	12059
55	11772	11650	11349
65	10910	10778	10727
75	9375	9209	8862
85	6790	6646	6626

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

Test Number:	TGSM TW 3500K	Manufacturer:	Ledalite by Signify
Date:	1 Jun 2022	Model:	TruGroove Suspended Micro

Correlated Colour Temperature ( $T_{cp}$ ) in K	3470	CIE1931 chromaticity coordinate, $x$	0.4017
Distance to Blackbody Locus ( $D_{uv}$ )	-0.0050	CIE1931 chromaticity coordinate, $y$	0.3777
General Colour Rendering Index ( $R_a$ )	95	CIE1976 chromaticity coordinate, $u'$	0.2388
Red Rendering Index ( $R_9$ )	72	CIE1976 chromaticity coordinate, $v'$	0.5052
Colour Gamut Index ( $G_a$ )	100		
Red Chroma Index ( $C_9$ )	95		



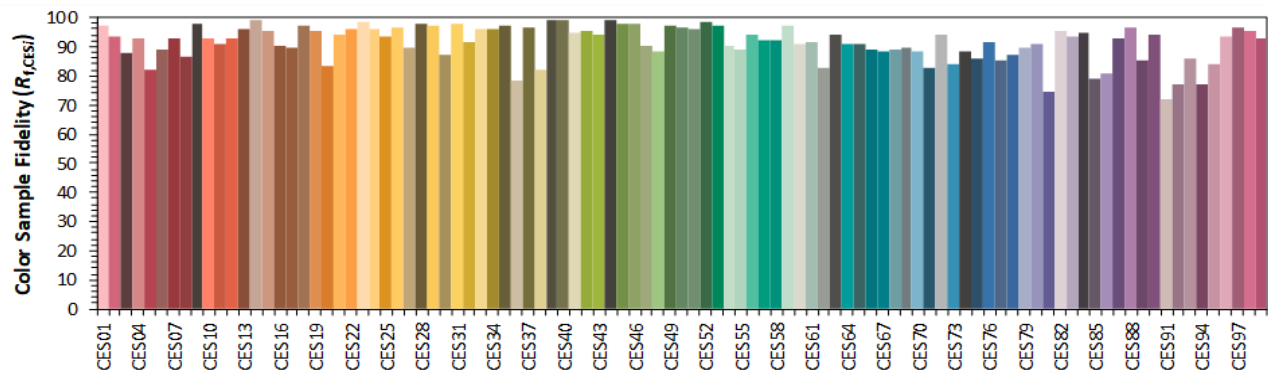
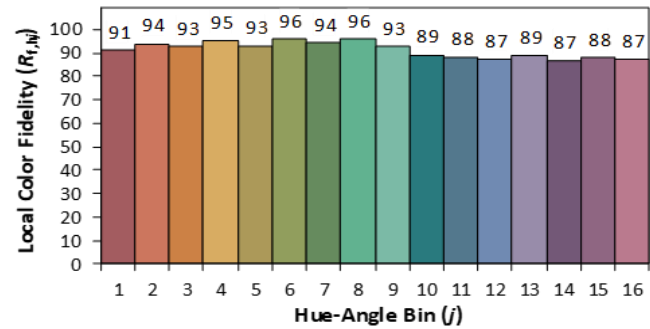
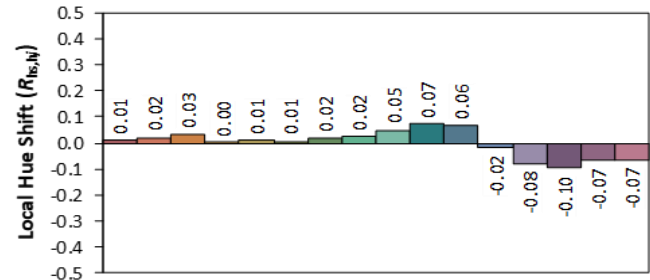
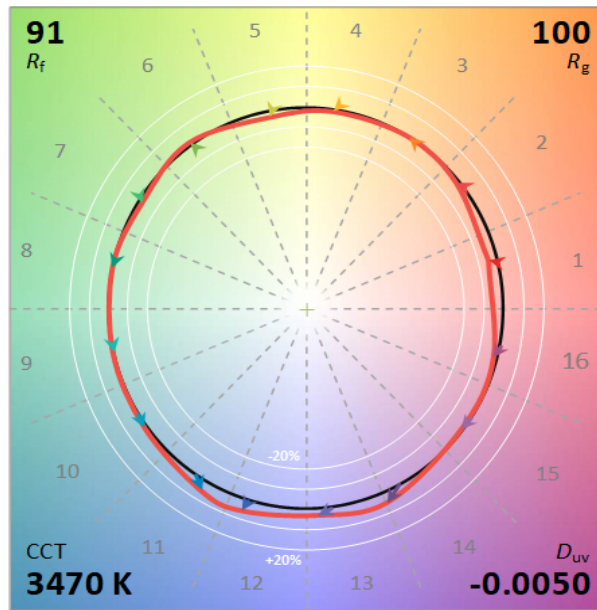
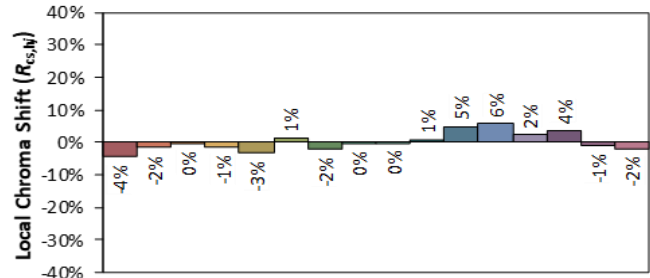
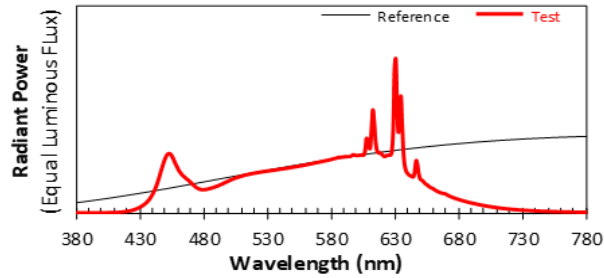
# ANSI/IES TM-30-18 Color Rendition Report

Source: TGSM TW 3500K

Date: 01 Jun 2022

Manufacturer: Ledalite by Signify

Model: TruGroove Suspended Micro



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

$x$  0.4017

$y$  0.3777

$u'$  0.2388

$v'$  0.5052

SPECTRAL POWER DISTRIBUTION																	
λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD
380	0.00010	425	0.00170	470	0.01870	515	0.02340	560	0.02920	605	0.03520	650	0.02100	695	0.00530	740	0.00120
381	0.00010	426	0.00200	471	0.01790	516	0.02360	561	0.02940	606	0.03530	651	0.02010	696	0.00510	741	0.00120
382	0.00010	427	0.00230	472	0.01710	517	0.02370	562	0.02950	607	0.03810	652	0.01970	697	0.00490	742	0.00120
383	0.00010	428	0.00260	473	0.01650	518	0.02380	563	0.02960	608	0.04540	653	0.01880	698	0.00480	743	0.00110
384	0.00010	429	0.00290	474	0.01580	519	0.02400	564	0.02990	609	0.04450	654	0.01790	699	0.00460	744	0.00110
385	0.00010	430	0.00330	475	0.01520	520	0.02410	565	0.03000	610	0.03960	655	0.01730	700	0.00450	745	0.00100
386	0.00010	431	0.00370	476	0.01490	521	0.02430	566	0.03010	611	0.03920	656	0.01690	701	0.00430	746	0.00100
387	0.00010	432	0.00420	477	0.01450	522	0.02450	567	0.03040	612	0.05140	657	0.01620	702	0.00420	747	0.00100
388	0.00010	433	0.00470	478	0.01430	523	0.02460	568	0.03040	613	0.06260	658	0.01560	703	0.00410	748	0.00090
389	0.00010	434	0.00530	479	0.01410	524	0.02470	569	0.03060	614	0.05620	659	0.01520	704	0.00390	749	0.00090
390	0.00010	435	0.00590	480	0.01410	525	0.02490	570	0.03080	615	0.04500	660	0.01490	705	0.00380	750	0.00090
391	0.00010	436	0.00670	481	0.01420	526	0.02500	571	0.03100	616	0.03890	661	0.01440	706	0.00370	751	0.00090
392	0.00010	437	0.00750	482	0.01430	527	0.02510	572	0.03110	617	0.03670	662	0.01390	707	0.00360	752	0.00080
393	0.00010	438	0.00860	483	0.01440	528	0.02520	573	0.03130	618	0.03650	663	0.01340	708	0.00350	753	0.00080
394	0.00010	439	0.00970	484	0.01460	529	0.02530	574	0.03150	619	0.03660	664	0.01300	709	0.00330	754	0.00080
395	0.00010	440	0.01090	485	0.01480	530	0.02550	575	0.03160	620	0.03570	665	0.01260	710	0.00320	755	0.00080
396	0.00010	441	0.01250	486	0.01500	531	0.02550	576	0.03180	621	0.03500	666	0.01230	711	0.00310	756	0.00070
397	0.00010	442	0.01400	487	0.01520	532	0.02560	577	0.03190	622	0.03430	667	0.01200	712	0.00300	757	0.00070
398	0.00010	443	0.01600	488	0.01550	533	0.02580	578	0.03210	623	0.03450	668	0.01180	713	0.00290	758	0.00070
399	0.00010	444	0.01810	489	0.01570	534	0.02590	579	0.03230	624	0.03490	669	0.01180	714	0.00290	759	0.00070
400	0.00010	445	0.02050	490	0.01610	535	0.02590	580	0.03250	625	0.03510	670	0.01160	715	0.00270	760	0.00070
401	0.00010	446	0.02290	491	0.01630	536	0.02600	581	0.03270	626	0.03520	671	0.01110	716	0.00270	761	0.00060
402	0.00010	447	0.02570	492	0.01660	537	0.02620	582	0.03290	627	0.03520	672	0.01070	717	0.00260	762	0.00060
403	0.00010	448	0.02820	493	0.01700	538	0.02630	583	0.03310	628	0.03760	673	0.01030	718	0.00250	763	0.00060
404	0.00010	449	0.03070	494	0.01730	539	0.02640	584	0.03330	629	0.05090	674	0.01000	719	0.00240	764	0.00060
405	0.00010	450	0.03290	495	0.01760	540	0.02660	585	0.03350	630	0.08700	675	0.00970	720	0.00230	765	0.00060
406	0.00020	451	0.03460	496	0.01800	541	0.02670	586	0.03380	631	0.09380	676	0.00930	721	0.00230	766	0.00050
407	0.00020	452	0.03570	497	0.01840	542	0.02680	587	0.03390	632	0.06840	677	0.00900	722	0.00220	767	0.00050
408	0.00020	453	0.03620	498	0.01880	543	0.02690	588	0.03390	633	0.04920	678	0.00880	723	0.00210	768	0.00050
409	0.00020	454	0.03590	499	0.01910	544	0.02700	589	0.03400	634	0.06010	679	0.00850	724	0.00210	769	0.00050
410	0.00020	455	0.03520	500	0.01950	545	0.02710	590	0.03400	635	0.07120	680	0.00830	725	0.00200	770	0.00050
411	0.00030	456	0.03380	501	0.01990	546	0.02730	591	0.03420	636	0.05390	681	0.00800	726	0.00190	771	0.00050
412	0.00030	457	0.03220	502	0.02020	547	0.02740	592	0.03420	637	0.03720	682	0.00780	727	0.00190	772	0.00050
413	0.00030	458	0.03040	503	0.02050	548	0.02750	593	0.03430	638	0.02910	683	0.00760	728	0.00180	773	0.00050
414	0.00040	459	0.02870	504	0.02090	549	0.02770	594	0.03430	639	0.02590	684	0.00730	729	0.00170	774	0.00040
415	0.00040	460	0.02720	505	0.02110	550	0.02780	595	0.03430	640	0.02430	685	0.00710	730	0.00170	775	0.00040
416	0.00050	461	0.02560	506	0.02140	551	0.02790	596	0.03460	641	0.02340	686	0.00690	731	0.00160	776	0.00040
417	0.00060	462	0.02460	507	0.02160	552	0.02810	597	0.03520	642	0.02280	687	0.00670	732	0.00160	777	0.00040
418	0.00070	463	0.02360	508	0.02190	553	0.02820	598	0.03550	643	0.02240	688	0.00650	733	0.00150	778	0.00040
419	0.00080	464	0.02280	509	0.02210	554	0.02830	599	0.03510	644	0.02200	689	0.00630	734	0.00150	779	0.00040
420	0.00090	465	0.02210	510	0.02240	555	0.02840	600	0.03500	645	0.02200	690	0.00610	735	0.00140	780	0.00040
421	0.00100	466	0.02140	511	0.02260	556	0.02860	601	0.03500	646	0.02570	691	0.00590	736	0.00140		
422	0.00120	467	0.02060	512	0.02280	557	0.02880	602	0.03510	647	0.03190	692	0.00570	737	0.00130		
423	0.00130	468	0.02010	513	0.02310	558	0.02880	603	0.03520	648	0.02920	693	0.00560	738	0.00130		
424	0.00150	469	0.01940	514	0.02320	559	0.02910	604	0.03530	649	0.02390	694	0.00540	739	0.00130		

UNIFIED GLARE RATING											
Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	20.8	22.5	21.2	22.8	23.1	20.7	22.3	21.1	22.6	23.0
	3H	22.6	24.1	23.0	24.4	24.8	22.5	23.9	22.8	24.3	24.6
	4H	23.3	24.7	23.7	25.0	25.4	23.1	24.5	23.5	24.8	25.2
	6H	23.7	25.0	24.1	25.4	25.8	23.5	24.8	24.0	25.2	25.6
	8H	23.8	25.1	24.3	25.5	25.9	23.7	24.9	24.1	25.3	25.7
	12H	23.9	25.1	24.3	25.5	25.9	23.8	25.0	24.2	25.3	25.8
4H	2H	21.4	22.8	21.8	23.2	23.5	21.3	22.7	21.7	23.1	23.4
	3H	23.5	24.6	23.9	25.0	25.4	23.3	24.5	23.7	24.9	25.3
	4H	24.2	25.3	24.7	25.7	26.2	24.1	25.1	24.5	25.6	26.0
	6H	24.8	25.8	25.3	26.2	26.7	24.7	25.6	25.1	26.1	26.5
	8H	25.0	25.9	25.5	26.3	26.8	24.9	25.7	25.3	26.2	26.7
	12H	25.1	25.9	25.6	26.4	26.9	25.0	25.8	25.5	26.3	26.7
8H	4H	24.5	25.4	25.0	25.8	26.3	24.4	25.3	24.8	25.7	26.2
	6H	25.2	26.0	25.7	26.5	26.9	25.1	25.8	25.6	26.3	26.8
	8H	25.5	26.2	26.0	26.7	27.1	25.4	26.0	25.9	26.5	27.0
	12H	25.7	26.3	26.2	26.8	27.3	25.6	26.2	26.1	26.7	27.2
12H	4H	24.6	25.3	25.1	25.8	26.3	24.4	25.2	24.9	25.7	26.2
	6H	25.3	26.0	25.8	26.4	27.0	25.2	25.8	25.7	26.3	26.8
	8H	25.6	26.2	26.1	26.7	27.2	25.5	26.1	26.0	26.6	27.1

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.