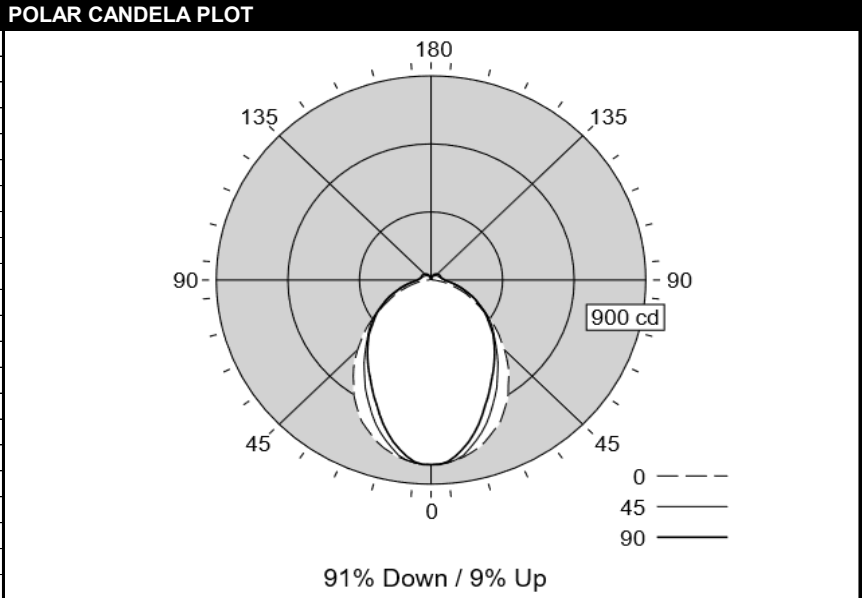


LEDALITE - TG SUSPENDED/SURFACE/WALL MICRO

TEST DATE:	05 Oct 2022	CATALOG NO:	TMx1L9T2DNNNN20NNN-50
Lamp Type:	LED	Description:	DROP 2000LM DOWN TW-50
No. of Lamps:	192		
Rated Lamp Lumens:	-1	Flux (lm), Efficiency (%):	1999 lm 100%
Input Watts:	277 VAC 16.8	Up/Dn Ratio, Efficacy (lm/W):	91% Down / 9% Up 119.2
CIE-IES Classification:	Direct	Report:	LNG10322

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	814	814	814	814	814	
5	808	807	809	803	804	76
15	766	758	732	698	699	205
25	688	656	611	569	567	283
35	565	530	488	458	460	312
45	435	404	380	368	372	300
55	300	280	297	278	287	258
65	182	185	209	204	205	196
75	87	107	134	128	127	126
85	22	48	75	72	71	68
90	9	32	56	58	56	
95	8	31	49	53	50	44
105	5	24	40	44	44	35
115	4	20	36	42	43	30
125	4	17	31	39	41	24
135	4	13	26	35	37	18
145	4	10	21	30	32	12
155	4	7	15	23	25	7
165	5	6	8	13	14	3
175	5	5	5	6	5	1
180	5	5	5	5	5	

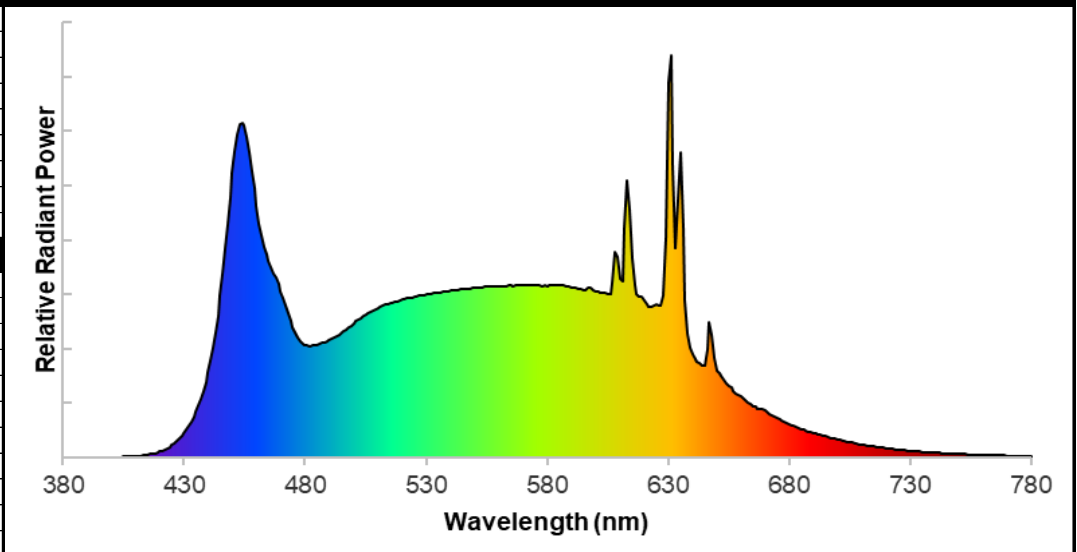


CHARACTERISTICS					COEFFICIENTS OF UTILIZATION (%)														
RP1					None		Pc---	80				70			50			0	
Direct: Peak Candela & Angle (0°)			814.1	0.0		Pw---	70	50	30	10	70	50	30	50	30	10	0		
Direct: Peak Candela & Angle (90°)			814.1	0.0		RCR													
Spacing Criteria (0°, 90°, 180°)			1.16	0.97	N/A	0	117	117	117	117	113	113	113	106	106	106	91		
Beam (H, V), Field (H, V)		81.8	93.9	166.3	151.8	1	106	102	97	93	103	98	94	93	89	86	76		
Indirect: Peak Candela & Angle(°)			56.3	90.0		2	97	89	82	76	94	86	80	81	76	72	63		
Indirect: Zenith Candela, Peak to Zenith			4.9	11.49		3	89	78	70	64	86	76	69	72	66	61	54		
Luminous Width, Length, Height (ft)			0.14	4.00	0.08	4	82	70	61	55	79	68	60	64	58	52	47		
DLC, UGR (4H x 8H, 1.0H), MDER			N/A	22.9	0.834	5	75	63	54	48	72	61	53	58	51	46	41		
x, y, CCT, D _{uv}			0.3454	0.3473	4973	-0.0023	6	70	57	48	42	67	55	47	53	46	40		
CRI (R _a), R _g , G _a , C _g			94	75	98	95	7	65	52	43	37	62	50	42	48	41	36		
TM-30-18 R _f , R _{g,h1} , R _g , R _{cs,h1}			90	89	99	-5%	8	60	47	39	33	58	46	38	44	37	32		
120V: P(W), I(A), THD(%), PF			16.7	0.142	14.0	0.983	9	57	44	36	30	55	43	35	41	34	29		
277V: P(W), I(A), THD(%), PF			16.8	0.075	16.8	0.808	10	53	40	33	27	51	39	32	38	31	27		
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	564	28.2%	28.2%
0-40	876	43.8%	43.8%
0-60	1434	71.7%	71.7%
0-90	1825	91.3%	91.3%
90-130	134	6.7%	6.7%
90-150	164	8.2%	8.2%
90-180	174	8.7%	8.7%
0-180	1999	100.0%	100.0%

SPECTRAL POWER DISTRIBUTION

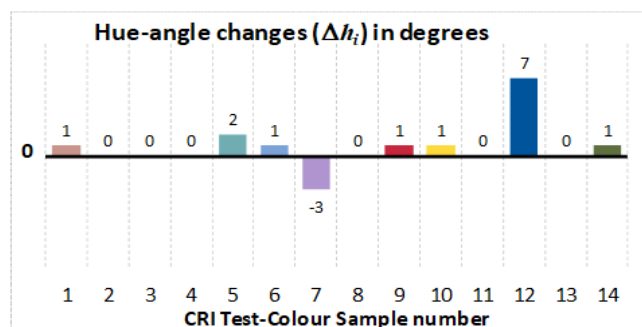
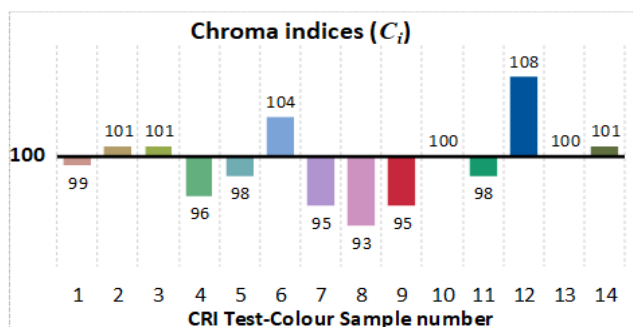
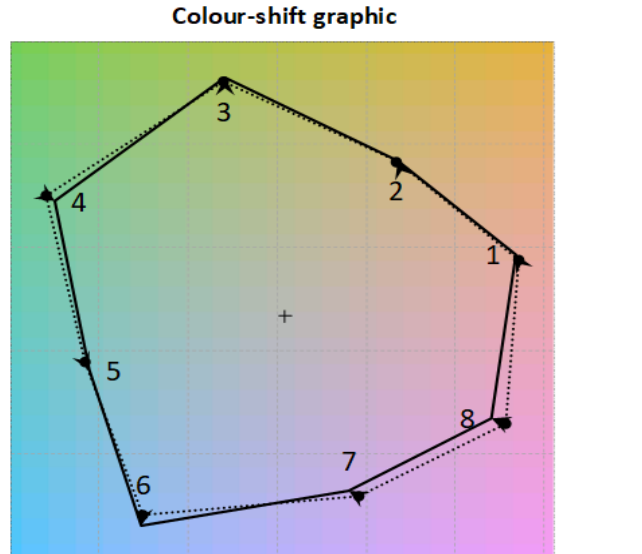
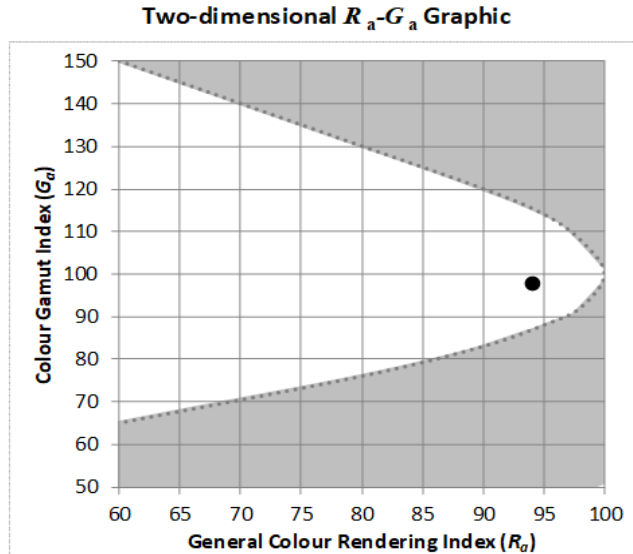
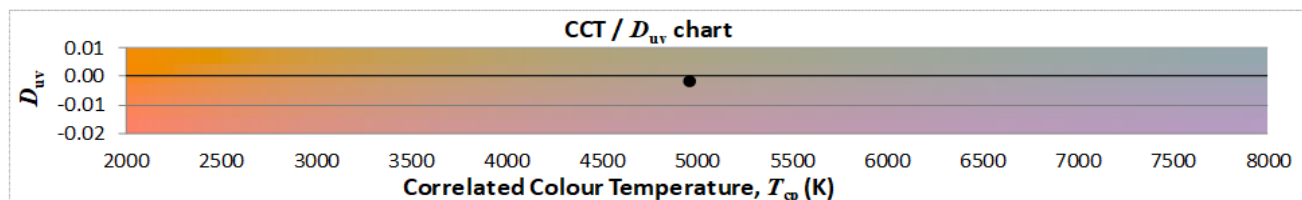
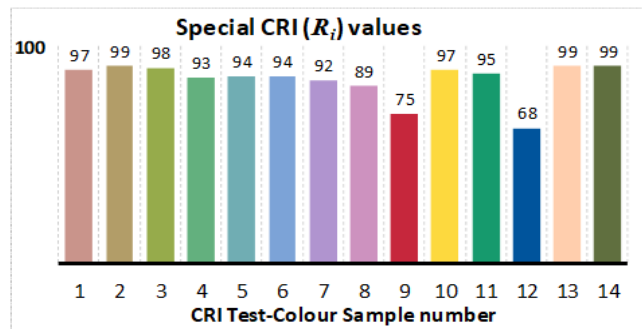
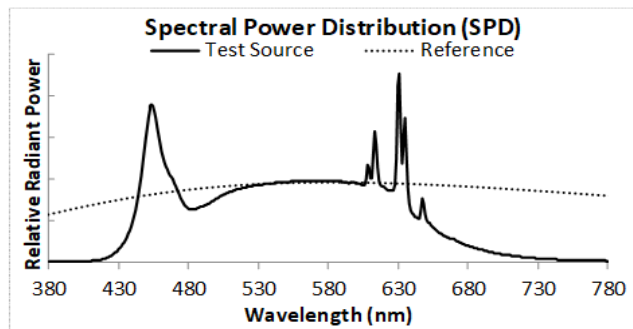
AVG LUMINANCE (cd/m ²)			
	0	45	90
0	15642	15642	15642
5	15563	15053	14774
15	15162	13096	12055
25	14453	10831	9483
35	13067	8849	7705
45	11599	7281	6433
55	9758	6237	5290
65	7913	5017	4190
75	6017	3870	3019
85	4019	2842	2081



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

Test Number:	TGSM TW 5000K	Manufacturer:	Ledalite by Signify
Date:	1 Jun 2022	Model:	TruGroove Suspended Micro

Correlated Colour Temperature (T_{cp}) in K	4973	CIE1931 chromaticity coordinate, x	0.3454
Distance to Blackbody Locus (D_{uv})	-0.0023	CIE1931 chromaticity coordinate, y	0.3473
General Colour Rendering Index (R_a)	94	CIE1976 chromaticity coordinate, u'	0.2133
Red Rendering Index (R_9)	75	CIE1976 chromaticity coordinate, v'	0.4826
Colour Gamut Index (G_a)	98		
Red Chroma Index (C_9)	95		



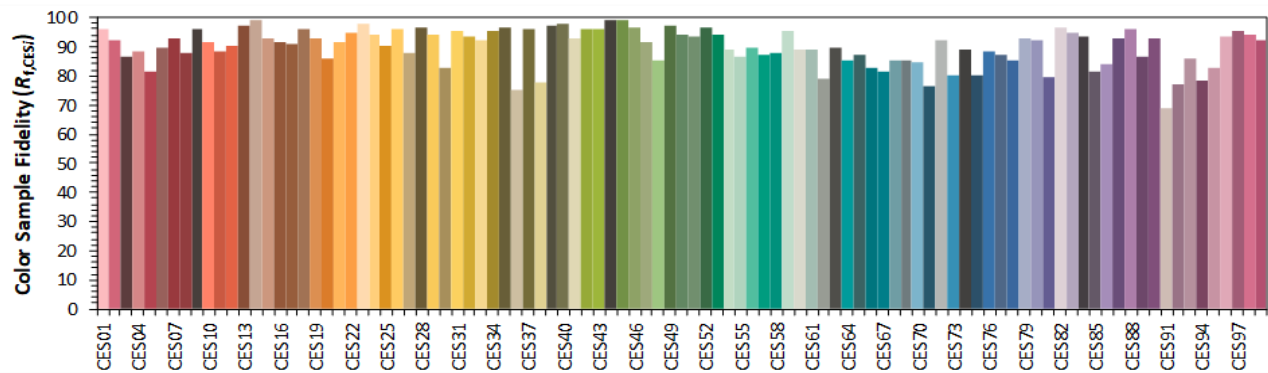
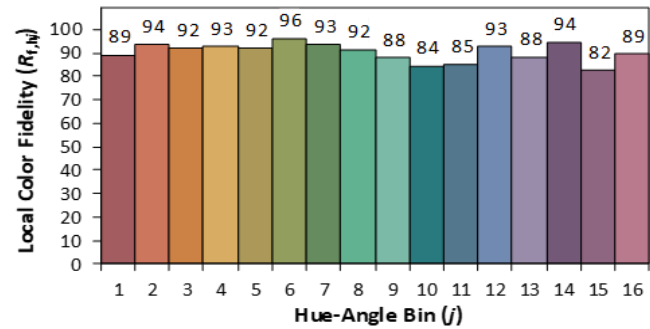
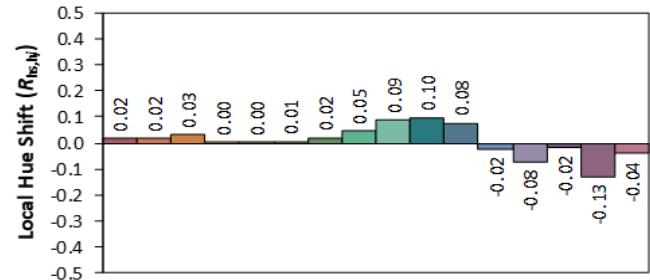
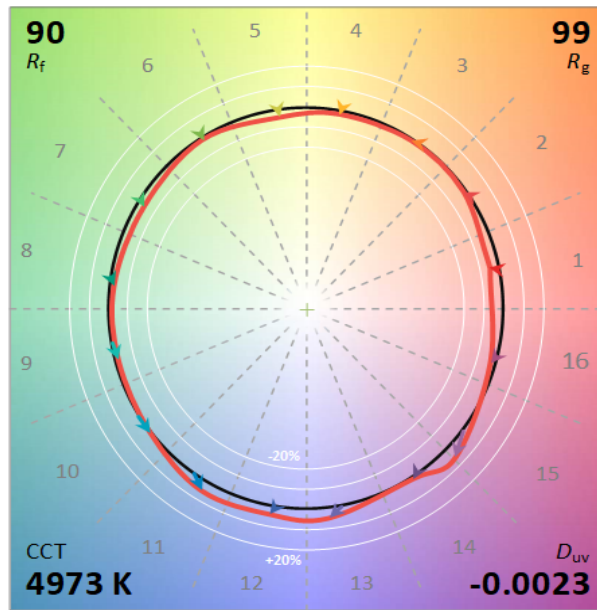
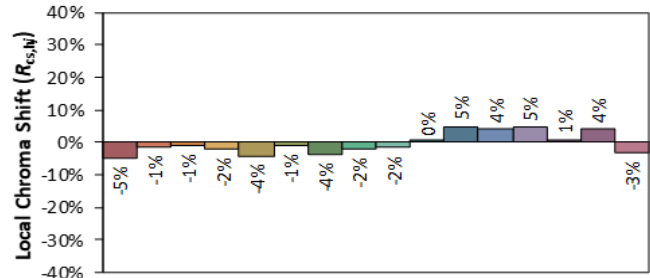
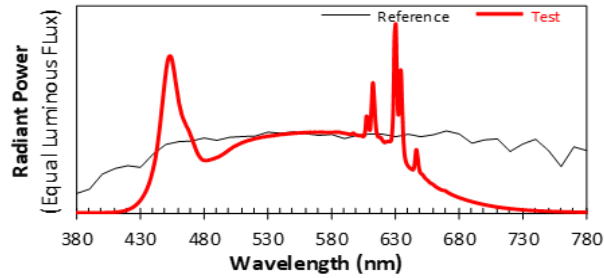
ANSI/IES TM-30-18 Color Rendition Report

Source: TGSM TW 5000K

Manufacturer: Ledalite by Signify

Date: 01 Jun 2022

Model: TruGroove Suspended Micro



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

x 0.3454

y 0.3473

u' 0.2133

v' 0.4826

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	0.00230	470	0.03060	515	0.02840	560	0.03150	605	0.03000	650	0.01610	695	0.00390	740	0.00090
381	0.00010	426	0.00260	471	0.02930	516	0.02850	561	0.03150	606	0.03000	651	0.01540	696	0.00380	741	0.00090
382	0.00010	427	0.00300	472	0.02790	517	0.02860	562	0.03150	607	0.03210	652	0.01510	697	0.00370	742	0.00090
383	0.00010	428	0.00350	473	0.02660	518	0.02870	563	0.03150	608	0.03780	653	0.01440	698	0.00350	743	0.00080
384	0.00010	429	0.00400	474	0.02520	519	0.02890	564	0.03160	609	0.03690	654	0.01370	699	0.00340	744	0.00080
385	0.00010	430	0.00450	475	0.02400	520	0.02900	565	0.03160	610	0.03290	655	0.01320	700	0.00330	745	0.00080
386	0.00010	431	0.00510	476	0.02300	521	0.02920	566	0.03160	611	0.03250	656	0.01280	701	0.00320	746	0.00080
387	0.00010	432	0.00580	477	0.02210	522	0.02930	567	0.03170	612	0.04220	657	0.01230	702	0.00310	747	0.00070
388	0.00010	433	0.00660	478	0.02150	523	0.02940	568	0.03160	613	0.05100	658	0.01180	703	0.00300	748	0.00070
389	0.00010	434	0.00750	479	0.02100	524	0.02940	569	0.03160	614	0.04550	659	0.01150	704	0.00290	749	0.00070
390	0.00010	435	0.00840	480	0.02070	525	0.02960	570	0.03160	615	0.03660	660	0.01130	705	0.00280	750	0.00070
391	0.00010	436	0.00960	481	0.02060	526	0.02970	571	0.03160	616	0.03170	661	0.01090	706	0.00270	751	0.00070
392	0.00010	437	0.01080	482	0.02050	527	0.02980	572	0.03160	617	0.02990	662	0.01050	707	0.00260	752	0.00060
393	0.00010	438	0.01230	483	0.02060	528	0.02980	573	0.03160	618	0.02970	663	0.01010	708	0.00260	753	0.00060
394	0.00010	439	0.01390	484	0.02070	529	0.02990	574	0.03160	619	0.02970	664	0.00980	709	0.00250	754	0.00060
395	0.00010	440	0.01570	485	0.02080	530	0.03010	575	0.03160	620	0.02890	665	0.00950	710	0.00240	755	0.00060
396	0.00010	441	0.01790	486	0.02090	531	0.03000	576	0.03160	621	0.02830	666	0.00930	711	0.00230	756	0.00060
397	0.00010	442	0.02010	487	0.02110	532	0.03010	577	0.03160	622	0.02760	667	0.00900	712	0.00220	757	0.00050
398	0.00010	443	0.02300	488	0.02120	533	0.03020	578	0.03160	623	0.02770	668	0.00890	713	0.00220	758	0.00050
399	0.00010	444	0.02610	489	0.02140	534	0.03030	579	0.03160	624	0.02800	669	0.00890	714	0.00210	759	0.00050
400	0.00010	445	0.02990	490	0.02160	535	0.03030	580	0.03160	625	0.02810	670	0.00870	715	0.00200	760	0.00050
401	0.00010	446	0.03380	491	0.02180	536	0.03040	581	0.03160	626	0.02800	671	0.00830	716	0.00200	761	0.00050
402	0.00010	447	0.03840	492	0.02200	537	0.03050	582	0.03160	627	0.02800	672	0.00800	717	0.00190	762	0.00050
403	0.00010	448	0.04300	493	0.02230	538	0.03050	583	0.03170	628	0.02980	673	0.00770	718	0.00190	763	0.00050
404	0.00010	449	0.04780	494	0.02260	539	0.03060	584	0.03160	629	0.04040	674	0.00750	719	0.00180	764	0.00040
405	0.00010	450	0.05230	495	0.02280	540	0.03070	585	0.03160	630	0.06900	675	0.00720	720	0.00170	765	0.00040
406	0.00020	451	0.05620	496	0.02320	541	0.03080	586	0.03170	631	0.07390	676	0.00700	721	0.00170	766	0.00040
407	0.00020	452	0.05920	497	0.02350	542	0.03080	587	0.03170	632	0.05360	677	0.00680	722	0.00160	767	0.00040
408	0.00020	453	0.06110	498	0.02390	543	0.03080	588	0.03150	633	0.03850	678	0.00660	723	0.00160	768	0.00040
409	0.00020	454	0.06150	499	0.02420	544	0.03090	589	0.03140	634	0.04740	679	0.00640	724	0.00150	769	0.00040
410	0.00030	455	0.06090	500	0.02460	545	0.03100	590	0.03130	635	0.05600	680	0.00620	725	0.00150	770	0.00040
411	0.00030	456	0.05880	501	0.02500	546	0.03100	591	0.03130	636	0.04210	681	0.00600	726	0.00140	771	0.00030
412	0.00030	457	0.05600	502	0.02530	547	0.03110	592	0.03110	637	0.02900	682	0.00580	727	0.00140	772	0.00030
413	0.00040	458	0.05270	503	0.02560	548	0.03110	593	0.03100	638	0.02270	683	0.00560	728	0.00130	773	0.00030
414	0.00050	459	0.04940	504	0.02600	549	0.03120	594	0.03090	639	0.02010	684	0.00540	729	0.00130	774	0.00030
415	0.00050	460	0.04620	505	0.02620	550	0.03110	595	0.03080	640	0.01890	685	0.00530	730	0.00130	775	0.00030
416	0.00060	461	0.04300	506	0.02650	551	0.03120	596	0.03080	641	0.01820	686	0.00510	731	0.00120	776	0.00030
417	0.00070	462	0.04090	507	0.02670	552	0.03130	597	0.03120	642	0.01760	687	0.00500	732	0.00120	777	0.00030
418	0.00080	463	0.03880	508	0.02700	553	0.03130	598	0.03130	643	0.01730	688	0.00480	733	0.00110	778	0.00030
419	0.00100	464	0.03730	509	0.02720	554	0.03130	599	0.03080	644	0.01700	689	0.00470	734	0.00110	779	0.00030
420	0.00110	465	0.03610	510	0.02740	555	0.03130	600	0.03060	645	0.01700	690	0.00450	735	0.00110	780	0.00030
421	0.00130	466	0.03500	511	0.02760	556	0.03140	601	0.03040	646	0.01990	691	0.00440	736	0.00100		
422	0.00150	467	0.03380	512	0.02780	557	0.03140	602	0.03040	647	0.02480	692	0.00430	737	0.00100		
423	0.00170	468	0.03300	513	0.02800	558	0.03140	603	0.03040	648	0.02260	693	0.00410	738	0.00100		
424	0.00200	469	0.03190	514	0.02820	559	0.03150	604	0.03030	649	0.01840	694	0.00400	739	0.00090		

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	16.6	18.0	17.1	18.5	19.0	17.9	19.3	18.4	19.8	20.3
	3H	17.9	19.1	18.4	19.7	20.2	19.9	21.2	20.4	21.7	22.2
	4H	18.3	19.5	18.8	20.0	20.6	20.8	21.9	21.3	22.5	23.1
	6H	18.5	19.6	19.0	20.1	20.7	21.5	22.7	22.1	23.2	23.8
	8H	18.5	19.6	19.1	20.2	20.8	22.0	23.0	22.5	23.6	24.2
4H	12H	18.5	19.6	19.1	20.1	20.8	22.4	23.4	22.9	23.9	24.6
	2H	17.3	18.5	17.9	19.0	19.6	18.3	19.5	18.9	20.1	20.6
	3H	18.8	19.8	19.4	20.4	21.0	20.5	21.5	21.1	22.1	22.7
	4H	19.3	20.2	19.9	20.8	21.5	21.5	22.4	22.1	23.0	23.6
	6H	19.7	20.5	20.3	21.1	21.7	22.4	23.2	23.0	23.8	24.5
8H	8H	19.7	20.5	20.3	21.1	21.8	22.9	23.7	23.5	24.3	24.9
	12H	19.8	20.5	20.4	21.1	21.8	23.4	24.1	24.0	24.7	25.4
	4H	19.8	20.5	20.4	21.1	21.8	21.7	22.4	22.3	23.0	23.7
	6H	20.3	20.9	20.9	21.6	22.2	22.8	23.4	23.4	24.0	24.7
	8H	20.4	21.0	21.1	21.7	22.3	23.3	23.9	24.0	24.6	25.2
12H	12H	20.5	21.1	21.2	21.7	22.4	24.0	24.5	24.6	25.1	25.9
	4H	19.9	20.5	20.5	21.2	21.8	21.7	22.4	22.3	23.0	23.7
	6H	20.4	21.0	21.1	21.6	22.4	22.8	23.4	23.5	24.0	24.7
	8H	20.7	21.2	21.3	21.8	22.6	23.4	23.9	24.1	24.6	25.3

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.