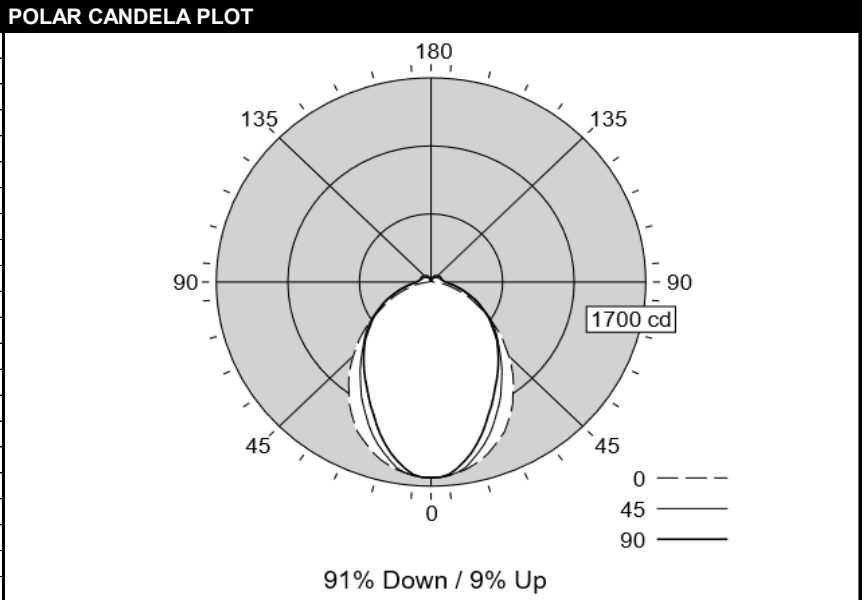


LEDALITE - TG SUSPENDED/SURFACE/WALL MICRO

TEST DATE:	05 Oct 2022	CATALOG NO:	TMx1L9T2DNNNN40NNN-65
Lamp Type:	LED	Description:	DROP 4000LM DOWN TW-65
No. of Lamps:	192		
Rated Lamp Lumens:	-1	Flux (lm), Efficiency (%):	4000 lm 100%
Input Watts:	120 VAC 34.3	Up/Dn Ratio, Efficacy (lm/W):	91% Down / 9% Up 116.7
CIE-IES Classification:	Direct	Report:	LNG10323

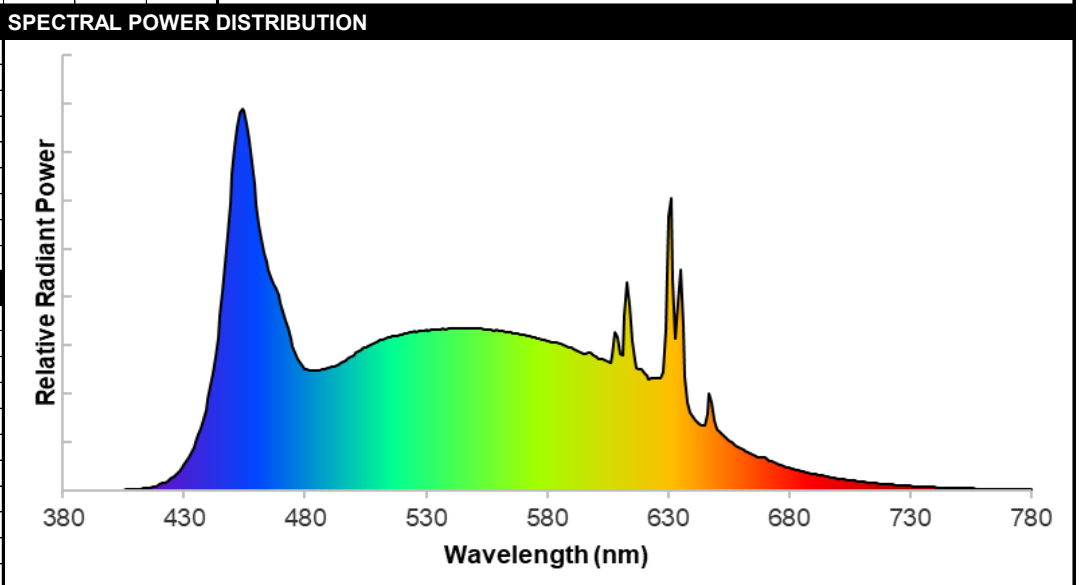
CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	1629	1629	1629	1629	1629	
5	1617	1615	1619	1606	1609	152
15	1533	1516	1465	1397	1398	410
25	1377	1312	1222	1138	1134	567
35	1130	1061	976	916	920	624
45	871	808	760	736	744	601
55	599	560	595	557	574	516
65	363	370	419	408	411	392
75	174	214	267	255	255	253
85	45	96	149	144	142	137
90	17	64	113	116	113	
95	15	62	98	107	101	89
105	11	48	80	88	87	71
115	8	40	71	84	85	60
125	8	33	62	78	81	49
135	7	26	53	69	74	37
145	8	19	43	60	64	25
155	9	14	30	46	50	14
165	9	11	16	26	27	5
175	10	10	10	12	11	1
180	10	10	10	10	10	



CHARACTERISTICS						COEFFICIENTS OF UTILIZATION (%)													
RP1			None		Pc---	80				70			50			0			
Direct: Peak Candela & Angle (0°)			1629.0	0.0	Pw---	70	50	30	10	70	50	30	50	30	10	0			
Direct: Peak Candela & Angle (90°)			1629.0	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	151.7	1	106	102	97	93	103	98	94	93	89	86	76		
Indirect: Peak Candela & Angle(°)			112.7	90.0	2	97	89	82	76	94	86	80	81	76	72	63			
Indirect: Zenith Candela, Peak to Zenith			9.9	11.38	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	25.3	0.967	5	75	63	54	48	72	61	53	58	51	46	41		
x, y, CCT, D _{uv}		0.3137	0.3302	6444	0.0033	6	70	57	48	42	67	55	47	53	46	40	36		
CRI (R _a), R _g , G _a , C _g		92	62	95	92	7	65	52	43	37	62	50	42	48	41	36	32		
TM-30-18 R _f , R _{f,h1} , R _g , R _{g,h1}			87	85	96	-6%	8	60	47	39	33	58	46	38	44	37	32	29	
120V: P(W), I(A), THD(%), PF		34.3	0.287	6.4	0.996	9	57	44	36	30	55	43	35	41	34	29	26		
277V: P(W), I(A), THD(%), PF		33.9	0.129	11.3	0.949	10	53	40	33	27	51	39	32	38	31	27	24		
347V: P(W), I(A), THD(%), PF		0.0	0.000	0.0	0.000	*Based on a floor reflectance of 0.2													

*Based on a floor reflectance of 0.2

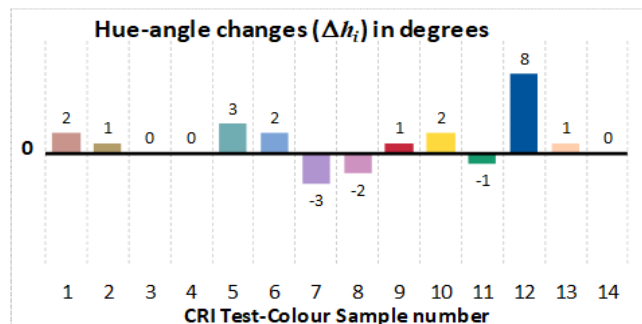
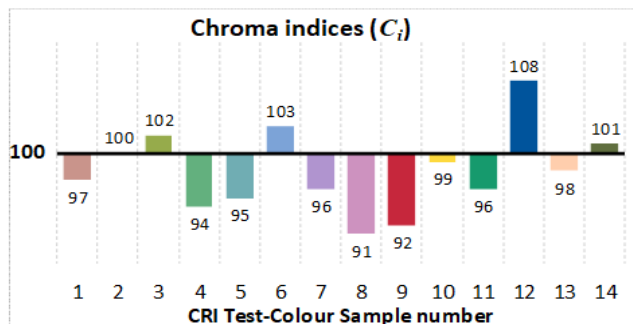
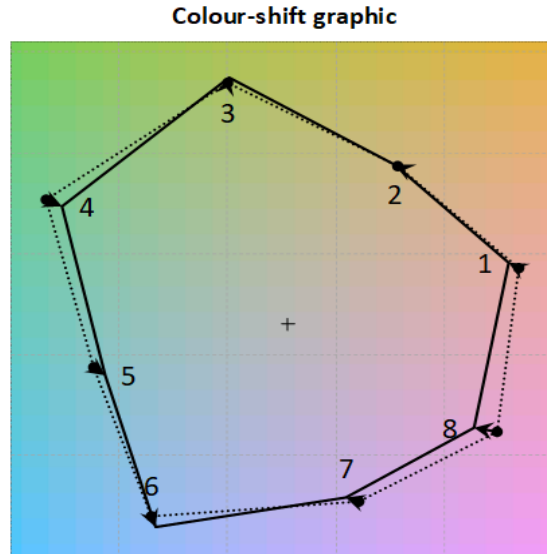
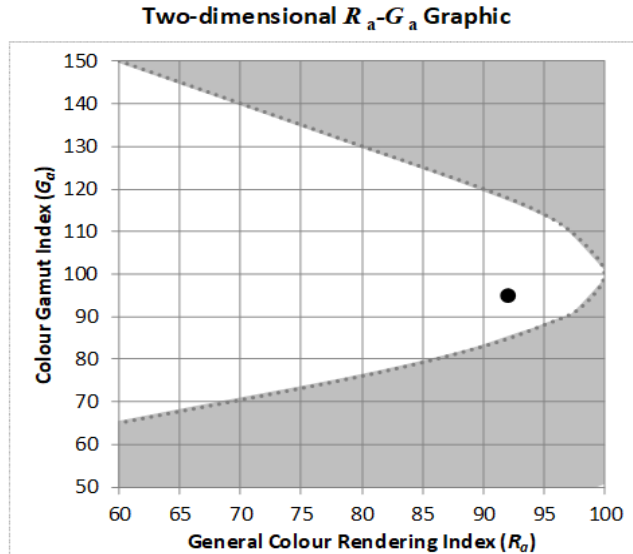
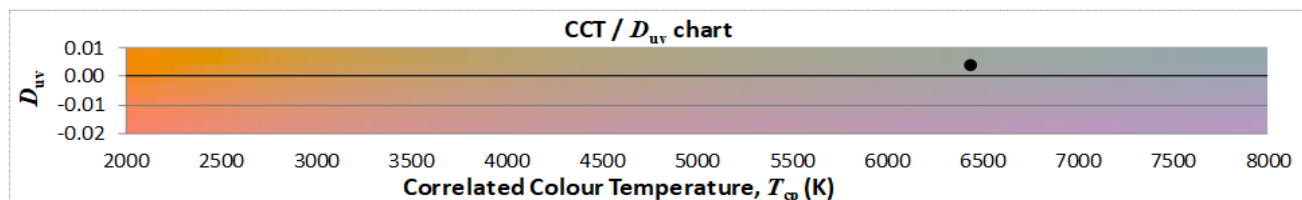
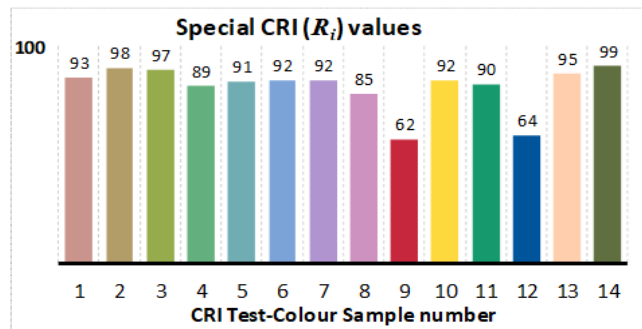
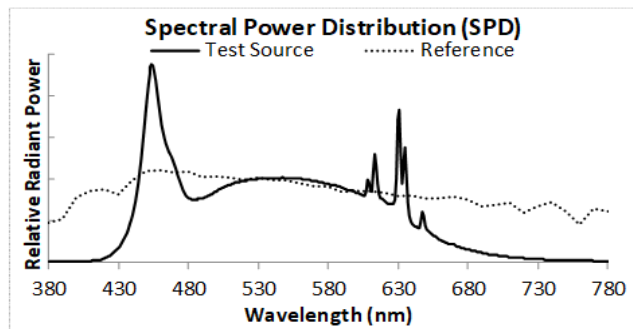
ZONAL LUMENS (lm)				SPECTRAL POWER DISTRIBUTION			
Zone	Lumens	%Fixture	%Lamp				
0-30	1129	28.2%	28.2%				
0-40	1753	43.8%	43.8%				
0-60	2870	71.7%	71.7%				
0-90	3651	91.3%	91.3%				
90-130	268	6.7%	6.7%				
90-150	329	8.2%	8.2%				
90-180	349	8.7%	8.7%				
0-180	4000	100.0%	100.0%				
AVG LUMINANCE (cd/m ²)							
	0	45	90				
0	31300	31300	31300				
5	31141	30119	29564				
15	30338	26202	24120				
25	28921	21671	18975				
35	26149	17706	15416				
45	23212	14568	12870				
55	19522	12479	10586				
65	15829	10038	8386				
75	12034	7743	6041				
85	8039	5687	4162				



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

Test Number:	TGSM TW 6500K	Manufacturer:	Ledalite by Signify
Date:	1 Jun 2022	Model:	TruGroove Suspended Micro

Correlated Colour Temperature (T_{cp}) in K	6444	CIE1931 chromaticity coordinate, x	0.3137
Distance to Blackbody Locus (D_{uv})	0.0033	CIE1931 chromaticity coordinate, y	0.3302
General Colour Rendering Index (R_a)	92	CIE1976 chromaticity coordinate, u'	0.1981
Red Rendering Index (R_9)	62	CIE1976 chromaticity coordinate, v'	0.4691
Colour Gamut Index (G_a)	95		
Red Chroma Index (C_9)	92		



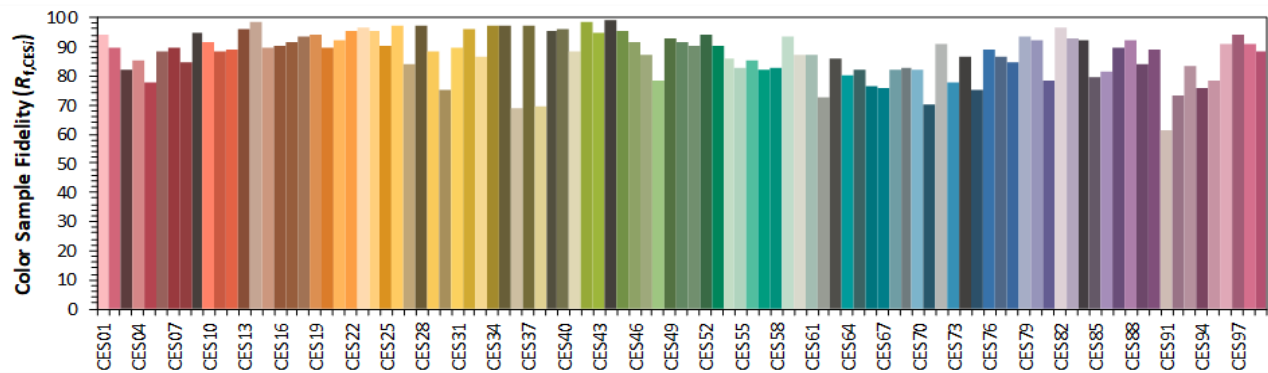
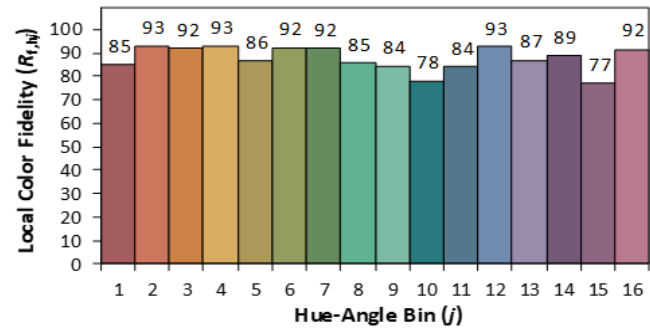
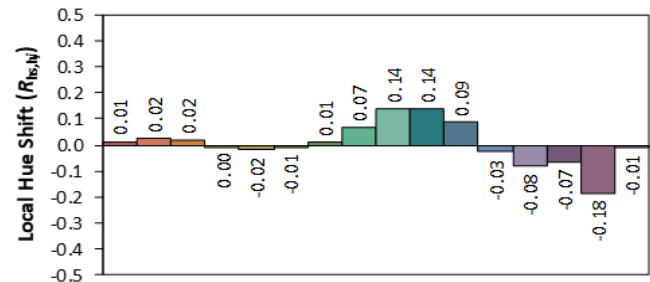
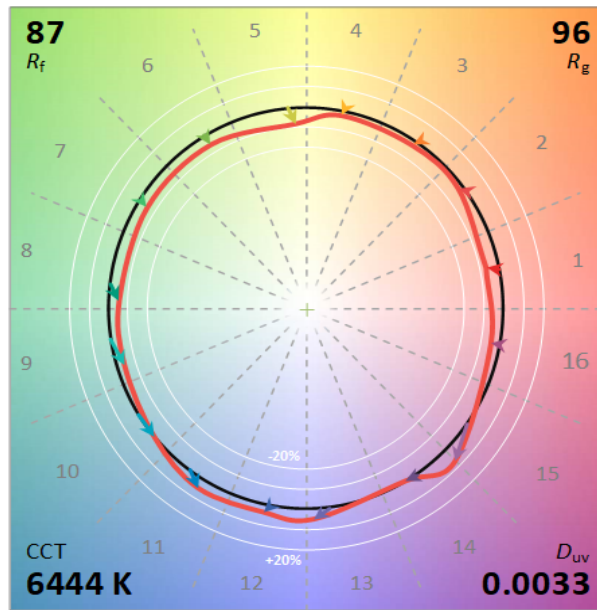
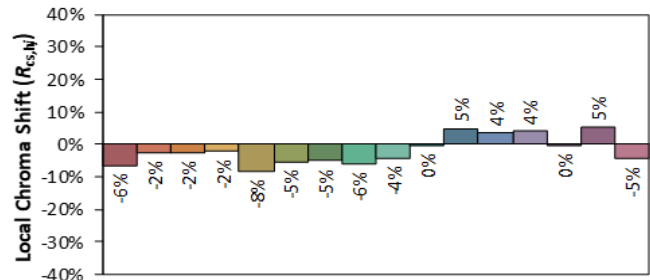
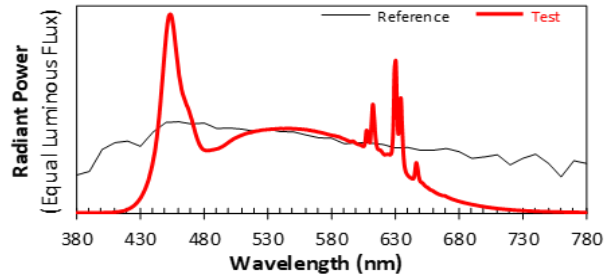
ANSI/IES TM-30-18 Color Rendition Report

Source: TGSM TW 6500K

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 0.3137

y 0.3302

u' 0.1981

v' 0.4691

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	0.00270	470	0.03870	515	0.03170	560	0.03300	605	0.02660	650	0.01280	695	0.00300	740	0.00070
381	0.00010	426	0.00310	471	0.03700	516	0.03180	561	0.03300	606	0.02650	651	0.01220	696	0.00290	741	0.00070
382	0.00010	427	0.00350	472	0.03510	517	0.03200	562	0.03290	607	0.02810	652	0.01190	697	0.00280	742	0.00070
383	0.00010	428	0.00410	473	0.03340	518	0.03200	563	0.03280	608	0.03270	653	0.01140	698	0.00270	743	0.00070
384	0.00010	429	0.00470	474	0.03150	519	0.03230	564	0.03280	609	0.03180	654	0.01080	699	0.00260	744	0.00060
385	0.00010	430	0.00540	475	0.02990	520	0.03230	565	0.03270	610	0.02830	655	0.01040	700	0.00250	745	0.00060
386	0.00010	431	0.00610	476	0.02850	521	0.03250	566	0.03260	611	0.02800	656	0.01010	701	0.00250	746	0.00060
387	0.00010	432	0.00700	477	0.02730	522	0.03250	567	0.03250	612	0.03600	657	0.00970	702	0.00240	747	0.00060
388	0.00010	433	0.00790	478	0.02640	523	0.03260	568	0.03240	613	0.04310	658	0.00930	703	0.00230	748	0.00060
389	0.00010	434	0.00900	479	0.02560	524	0.03270	569	0.03230	614	0.03830	659	0.00900	704	0.00220	749	0.00050
390	0.00010	435	0.01010	480	0.02520	525	0.03290	570	0.03220	615	0.03090	660	0.00890	705	0.00220	750	0.00050
391	0.00010	436	0.01150	481	0.02500	526	0.03290	571	0.03210	616	0.02680	661	0.00850	706	0.00210	751	0.00050
392	0.00010	437	0.01300	482	0.02480	527	0.03300	572	0.03200	617	0.02530	662	0.00820	707	0.00200	752	0.00050
393	0.00010	438	0.01480	483	0.02470	528	0.03300	573	0.03180	618	0.02500	663	0.00790	708	0.00200	753	0.00050
394	0.00010	439	0.01670	484	0.02490	529	0.03300	574	0.03180	619	0.02500	664	0.00760	709	0.00190	754	0.00050
395	0.00010	440	0.01890	485	0.02480	530	0.03320	575	0.03160	620	0.02430	665	0.00740	710	0.00180	755	0.00050
396	0.00010	441	0.02160	486	0.02500	531	0.03310	576	0.03150	621	0.02370	666	0.00720	711	0.00180	756	0.00040
397	0.00010	442	0.02430	487	0.02500	532	0.03320	577	0.03130	622	0.02310	667	0.00700	712	0.00170	757	0.00040
398	0.00010	443	0.02770	488	0.02510	533	0.03330	578	0.03120	623	0.02310	668	0.00690	713	0.00170	758	0.00040
399	0.00010	444	0.03160	489	0.02520	534	0.03330	579	0.03110	624	0.02330	669	0.00690	714	0.00160	759	0.00040
400	0.00010	445	0.03620	490	0.02540	535	0.03320	580	0.03090	625	0.02330	670	0.00680	715	0.00160	760	0.00040
401	0.00010	446	0.04120	491	0.02550	536	0.03330	581	0.03080	626	0.02320	671	0.00650	716	0.00150	761	0.00040
402	0.00010	447	0.04710	492	0.02560	537	0.03340	582	0.03070	627	0.02310	672	0.00620	717	0.00150	762	0.00040
403	0.00010	448	0.05310	493	0.02590	538	0.03340	583	0.03070	628	0.02460	673	0.00600	718	0.00140	763	0.00040
404	0.00020	449	0.05940	494	0.02610	539	0.03340	584	0.03050	629	0.03320	674	0.00580	719	0.00140	764	0.00030
405	0.00020	450	0.06550	495	0.02630	540	0.03350	585	0.03040	630	0.05680	675	0.00560	720	0.00140	765	0.00030
406	0.00020	451	0.07090	496	0.02670	541	0.03350	586	0.03030	631	0.06040	676	0.00540	721	0.00130	766	0.00030
407	0.00020	452	0.07520	497	0.02700	542	0.03350	587	0.03010	632	0.04360	677	0.00520	722	0.00120	767	0.00030
408	0.00020	453	0.07800	498	0.02730	543	0.03350	588	0.02990	633	0.03130	678	0.00500	723	0.00120	768	0.00030
409	0.00030	454	0.07890	499	0.02770	544	0.03350	589	0.02960	634	0.03880	679	0.00490	724	0.00120	769	0.00030
410	0.00030	455	0.07840	500	0.02810	545	0.03350	590	0.02950	635	0.04570	680	0.00470	725	0.00110	770	0.00030
411	0.00030	456	0.07570	501	0.02850	546	0.03350	591	0.02930	636	0.03410	681	0.00460	726	0.00110	771	0.00030
412	0.00040	457	0.07220	502	0.02880	547	0.03360	592	0.02900	637	0.02340	682	0.00440	727	0.00110	772	0.00030
413	0.00040	458	0.06780	503	0.02910	548	0.03350	593	0.02880	638	0.01830	683	0.00430	728	0.00100	773	0.00030
414	0.00050	459	0.06340	504	0.02950	549	0.03350	594	0.02860	639	0.01620	684	0.00420	729	0.00100	774	0.00020
415	0.00060	460	0.05910	505	0.02970	550	0.03340	595	0.02840	640	0.01520	685	0.00410	730	0.00100	775	0.00030
416	0.00070	461	0.05480	506	0.02990	551	0.03350	596	0.02830	641	0.01460	686	0.00390	731	0.00090	776	0.00020
417	0.00080	462	0.05200	507	0.03020	552	0.03340	597	0.02850	642	0.01420	687	0.00380	732	0.00090	777	0.00020
418	0.00090	463	0.04910	508	0.03040	553	0.03340	598	0.02840	643	0.01390	688	0.00370	733	0.00090	778	0.00020
419	0.00110	464	0.04720	509	0.03060	554	0.03340	599	0.02790	644	0.01360	689	0.00360	734	0.00090	779	0.00020
420	0.00130	465	0.04560	510	0.03080	555	0.03330	600	0.02760	645	0.01360	690	0.00350	735	0.00080	780	0.00020
421	0.00150	466	0.04420	511	0.03100	556	0.03330	601	0.02730	646	0.01590	691	0.00340	736	0.00080		
422	0.00170	467	0.04280	512	0.03120	557	0.03330	602	0.02720	647	0.01990	692	0.00330	737	0.00080		
423	0.00200	468	0.04170	513	0.03140	558	0.03310	603	0.02710	648	0.01810	693	0.00320	738	0.00070		
424	0.00230	469	0.04030	514	0.03160	559	0.03320	604	0.02680	649	0.01460	694	0.00310	739	0.00070		

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	19.0	20.4	19.5	20.9	21.4	20.3	21.7	20.8	22.2	22.7
	3H	20.3	21.5	20.8	22.1	22.6	22.3	23.6	22.8	24.1	24.6
	4H	20.7	21.9	21.2	22.4	23.0	23.2	24.3	23.7	24.9	25.5
	6H	20.9	22.0	21.4	22.5	23.1	23.9	25.1	24.5	25.6	26.2
	8H	20.9	22.0	21.5	22.6	23.2	24.4	25.4	24.9	26.0	26.6
	12H	20.9	22.0	21.5	22.5	23.2	24.8	25.8	25.3	26.3	27.0
4H	2H	19.7	20.9	20.3	21.4	22.0	20.7	21.9	21.3	22.5	23.0
	3H	21.2	22.2	21.8	22.8	23.4	22.9	23.9	23.5	24.5	25.1
	4H	21.7	22.6	22.3	23.2	23.9	23.9	24.8	24.5	25.4	26.0
	6H	22.1	22.9	22.7	23.5	24.1	24.8	25.6	25.4	26.2	26.9
	8H	22.1	22.9	22.7	23.5	24.2	25.3	26.1	25.9	26.7	27.3
	12H	22.2	22.9	22.8	23.5	24.2	25.8	26.5	26.4	27.1	27.8
8H	4H	22.2	22.9	22.8	23.5	24.2	24.1	24.8	24.7	25.4	26.1
	6H	22.7	23.3	23.3	24.0	24.6	25.2	25.8	25.8	26.4	27.1
	8H	22.8	23.4	23.5	24.1	24.7	25.7	26.3	26.4	27.0	27.6
	12H	22.9	23.5	23.6	24.1	24.8	26.4	26.9	27.0	27.5	28.3
12H	4H	22.3	22.9	22.9	23.6	24.2	24.1	24.8	24.7	25.4	26.1
	6H	22.9	23.4	23.5	24.0	24.8	25.2	25.8	25.9	26.4	27.1
	8H	23.1	23.6	23.7	24.2	25.0	25.8	26.3	26.5	27.0	27.7

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.