

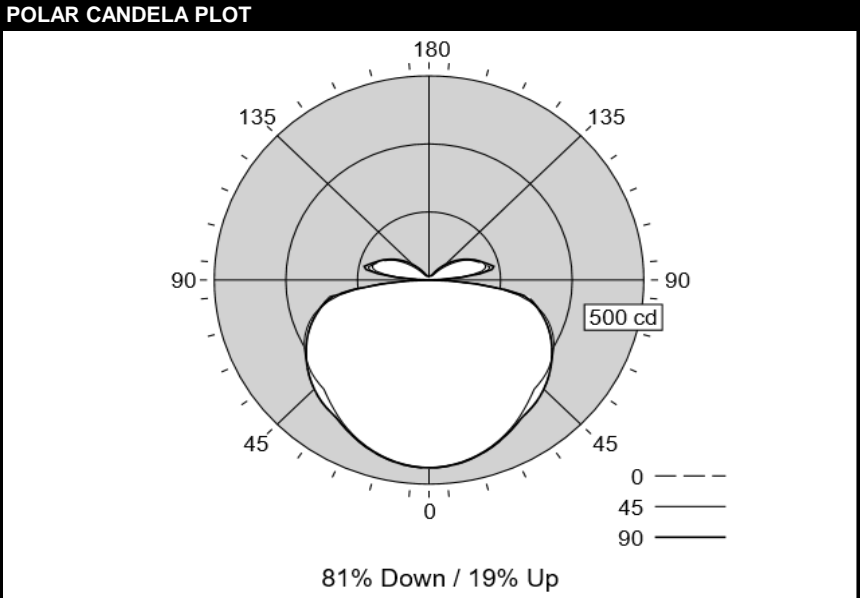
# LEDALITE - DECOFORM



TEST DATE: 03 Mar 2025 CATALOG NO: DF22xxSTL92725Axxxxxx

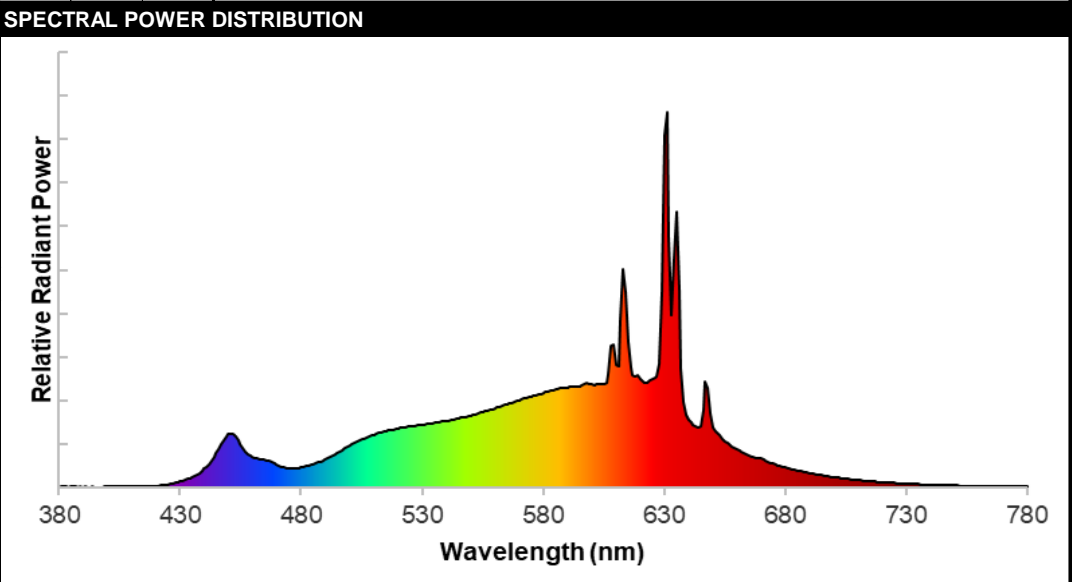
Lamp Type:	LED	Description:	2x2 2500LM SILK 927
No. of Lamps:	144		
Rated Lamp Lumens:	-1	Flux (lm), Efficiency (%):	2370 lm 100%
Input Watts:	277 VAC 21.0	Up/Dn Ratio, Efficacy (lm/W):	81% Down / 19% Up 112.9
CIE-IES Classification:	Semi-Direct	Report:	LNG13228

	Flux					Lumens
	0	22.5	45	67.5	90	
0	460	460	460	460	460	
5	459	458	457	457	458	44
15	445	444	443	444	445	125
25	421	419	418	420	421	194
35	397	390	386	390	397	246
45	378	371	361	371	378	286
55	348	342	347	343	348	309
65	311	309	318	310	311	309
75	263	261	262	259	261	274
85	117	112	111	109	109	122
90	0	0	0	0	0	
95	82	75	69	70	77	77
105	138	136	136	140	146	144
115	112	111	117	113	116	113
125	84	75	78	78	86	71
135	52	44	37	46	53	35
145	23	19	12	21	25	13
155	10	11	11	12	11	5
165	10	11	11	11	11	3
175	9	10	10	10	10	1
180	9	9	9	9	9	



RP1	None				Pc---	80				70			50			0
Direct: Peak Candela & Angle (0°)	460.5	2.5			Pw---	70	50	30	10	70	50	30	50	30	10	0
Direct: Peak Candela & Angle (90°)	459.7	2.5			RCR											
Spacing Criteria (0°, 90°, 180°)	1.33	1.33	N/A		0	114	114	114	114	109	109	109	100	100	100	81
Beam (H, V), Field (H, V)	154.0	154.5	175.8	176.1	1	102	96	90	86	97	91	87	84	80	76	61
Indirect: Peak Candela & Angle(°)	154.4	102.5			2	91	81	73	67	86	78	70	71	65	60	48
Indirect: Zenith Candela, Peak to Zenith	9.2	16.78			3	82	70	61	54	77	67	59	61	54	48	39
Luminous Width, Length, Height (ft)	1.88	1.88	0.00		4	74	61	52	44	70	58	50	53	46	40	32
DLC, UGR (4H x 8H, 1.0H), MDER	N/A	21.4	0.438		5	68	54	44	37	64	52	43	47	40	34	27
x, y, CCT, D <sub>uv</sub>	0.4583	0.4117	2731	0.0006	6	62	48	39	32	59	46	37	42	35	29	23
CRI (R <sub>a</sub> ), R <sub>g</sub> , G <sub>a</sub> , C <sub>g</sub>	94	56	99	93	7	58	43	34	28	55	42	33	38	31	25	20
TM-30-18 R <sub>f</sub> , R <sub>h1</sub> , R <sub>g</sub> , R <sub>sb1</sub>	92	90	100	-6%	8	53	39	30	24	51	38	30	35	28	22	18
120V: P(W), I(A), THD(%), PF	20.8	0.177	9.5	0.981	9	50	36	27	22	47	35	27	32	25	20	16
277V: P(W), I(A), THD(%), PF	21.0	0.086	15.1	0.879	10	47	33	25	19	44	32	24	29	23	18	14
347V: P(W), I(A), THD(%), PF	21.0	0.063	11.2	0.948	*Based on a floor reflectance of 0.2											

Zone	Lumens	%Fixture	%Lamp
0-30	363	15.3%	15.3%
0-40	608	25.7%	25.7%
0-60	1204	50.8%	50.8%
0-90	1908	80.5%	80.5%
90-130	405	17.1%	17.1%
90-150	453	19.1%	19.1%
90-180	462	19.5%	19.5%
0-180	2370	100.0%	100.0%

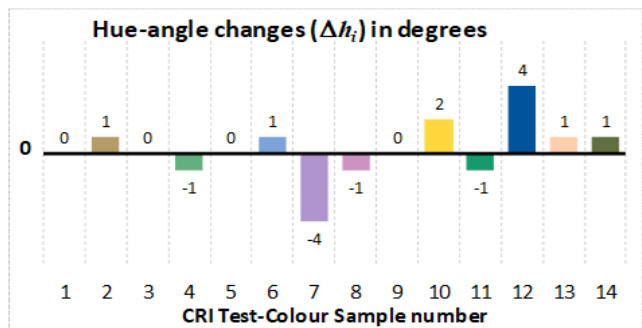
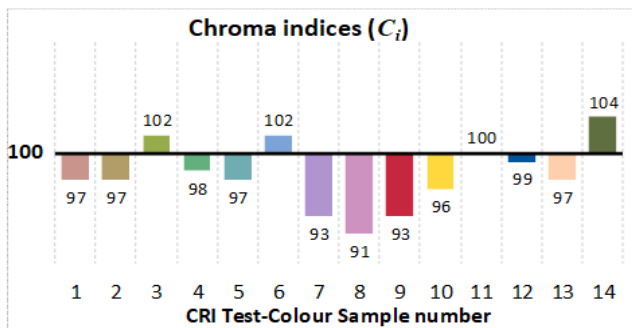
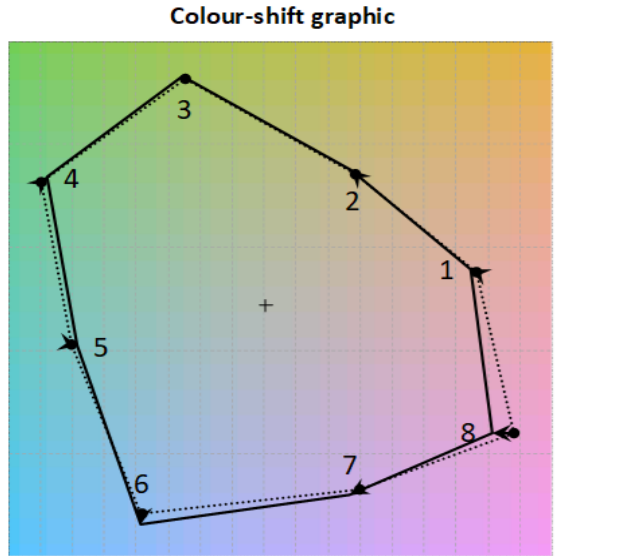
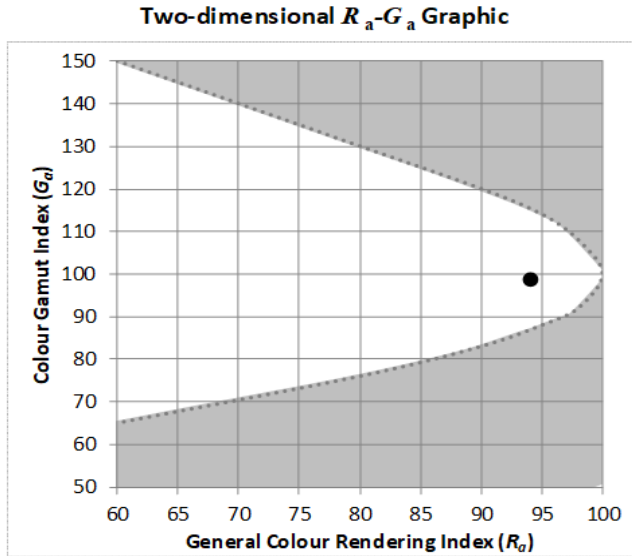
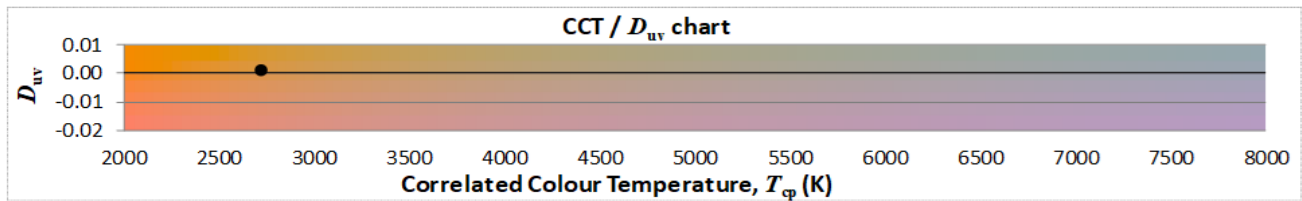
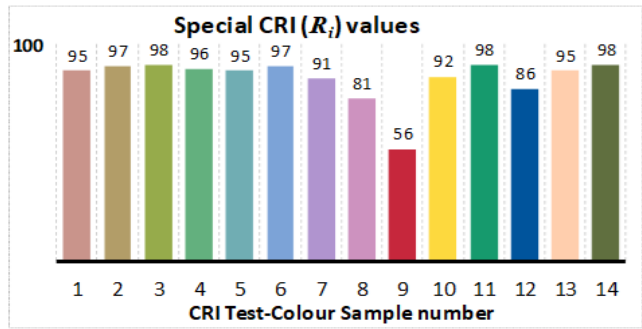
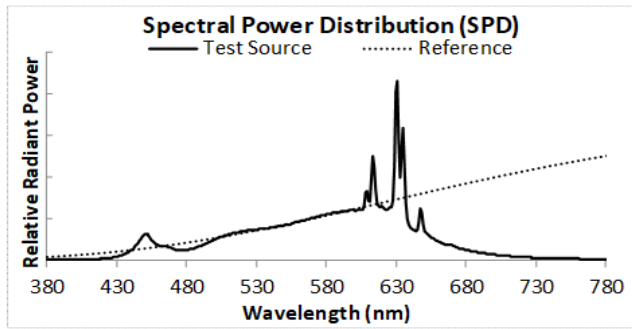


	0	45	90
0	1399	1399	1399
5	1403	1396	1401
15	1403	1396	1402
25	1415	1405	1415
35	1477	1436	1475
45	1628	1553	1627
55	1848	1843	1849
65	2237	2294	2239
75	3090	3086	3068
85	4073	3860	3804

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

Test Number:	DF_2700K	Manufacturer:	Ledalite
Date:	27 Feb 2025	Model:	DECOFORM

Correlated Colour Temperature ( $T_{cp}$ ) in K	2731	CIE1931 chromaticity coordinate, $x$	0.4583
Distance to Blackbody Locus ( $D_{uv}$ )	0.0006	CIE1931 chromaticity coordinate, $y$	0.4117
General Colour Rendering Index ( $R_a$ )	94	CIE1976 chromaticity coordinate, $u'$	0.2610
Red Rendering Index ( $R_9$ )	56	CIE1976 chromaticity coordinate, $v'$	0.5275
Colour Gamut Index ( $G_a$ )	99		
Red Chroma Index ( $C_9$ )	93		



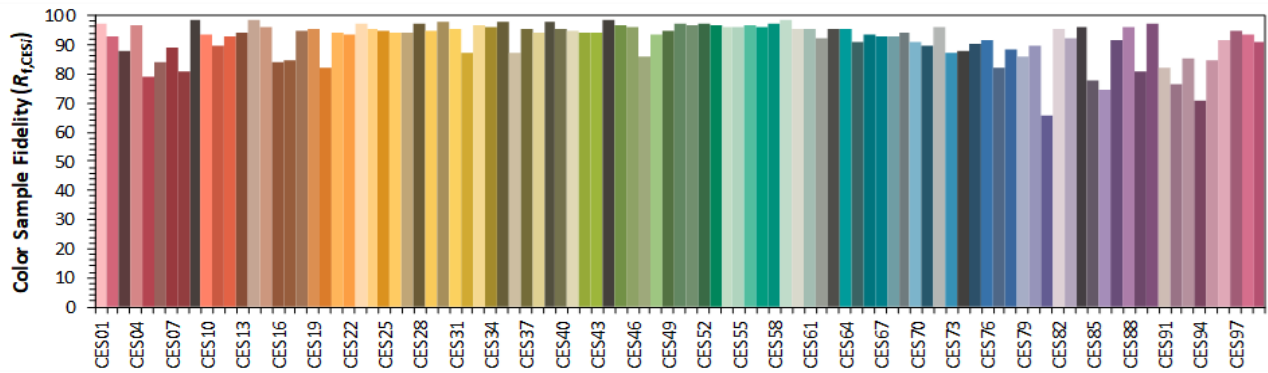
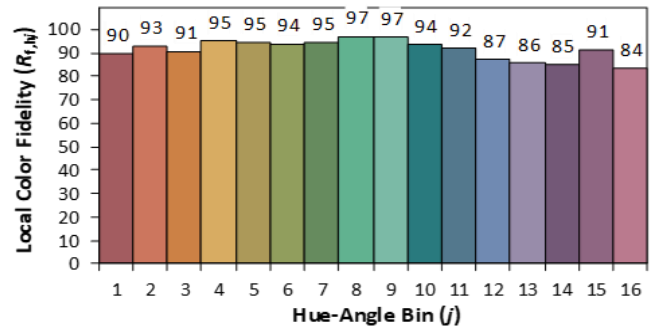
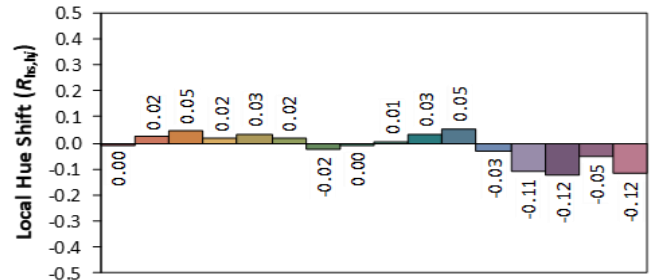
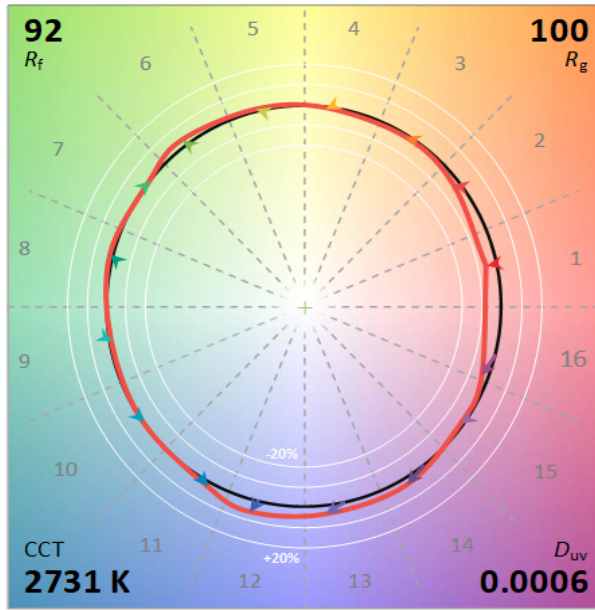
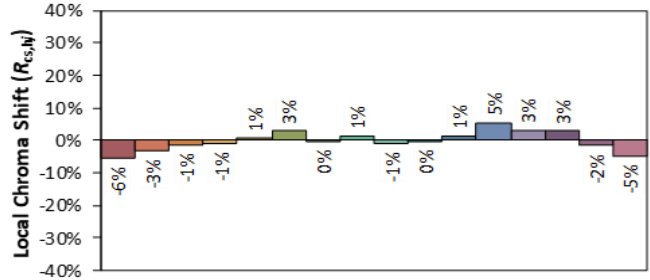
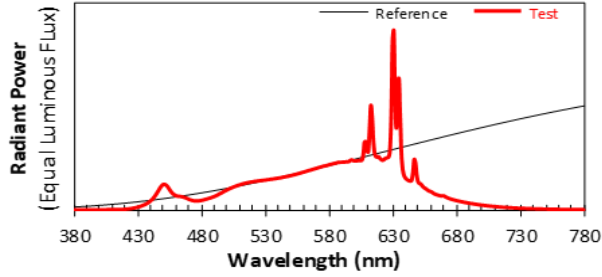
# ANSI/IES TM-30-18 Color Rendition Report

Source: DF\_2700K

Manufacturer: Ledalite

Date: 27/Feb/2025

Model: DECOFORM



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

x 0.4583

y 0.4117

u' 0.2610

v' 0.5275

### 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	0.00870	425	0.03720	470	0.26350	515	0.64930	560	0.91030	605	1.19000	650	0.68550	695	0.14230	740	0.03280
381	0.00920	426	0.04250	471	0.25100	516	0.65550	561	0.91900	606	1.19990	651	0.64310	696	0.13740	741	0.03200
382	0.00890	427	0.04810	472	0.24220	517	0.66300	562	0.92900	607	1.31110	652	0.63180	697	0.13360	742	0.03110
383	0.00950	428	0.05430	473	0.23220	518	0.66800	563	0.93650	608	1.62320	653	0.59810	698	0.12860	743	0.03010
384	0.00800	429	0.06140	474	0.22600	519	0.67430	564	0.94770	609	1.64820	654	0.55810	699	0.12490	744	0.02910
385	0.00930	430	0.07030	475	0.22100	520	0.68050	565	0.95650	610	1.41100	655	0.53440	700	0.12060	745	0.02820
386	0.00900	431	0.07820	476	0.21980	521	0.68300	566	0.96520	611	1.39850	656	0.51820	701	0.11640	746	0.02730
387	0.00890	432	0.08770	477	0.22100	522	0.69050	567	0.97520	612	1.92290	657	0.49570	702	0.11290	747	0.02650
388	0.00880	433	0.09850	478	0.22350	523	0.69300	568	0.98390	613	2.50980	658	0.46950	703	0.10880	748	0.02610
389	0.00900	434	0.10910	479	0.22730	524	0.69800	569	0.99390	614	2.24760	659	0.45450	704	0.10550	749	0.02480
390	0.00820	435	0.12290	480	0.23220	525	0.70300	570	1.00270	615	1.67320	660	0.44700	705	0.10240	750	0.02450
391	0.00910	436	0.13610	481	0.23850	526	0.70550	571	1.01020	616	1.37350	661	0.43080	706	0.09860	751	0.02360
392	0.00870	437	0.15360	482	0.24600	527	0.71050	572	1.02010	617	1.28610	662	0.40830	707	0.09560	752	0.02290
393	0.00850	438	0.16980	483	0.25600	528	0.71550	573	1.02760	618	1.27360	663	0.39080	708	0.09240	753	0.02210
394	0.00940	439	0.19100	484	0.26350	529	0.71670	574	1.03890	619	1.28610	664	0.37710	709	0.08950	754	0.02160
395	0.00880	440	0.21480	485	0.27220	530	0.72170	575	1.04640	620	1.24860	665	0.36710	710	0.08640	755	0.02110
396	0.00850	441	0.24220	486	0.28220	531	0.72420	576	1.05760	621	1.21990	666	0.35710	711	0.08390	756	0.02060
397	0.00870	442	0.27220	487	0.29090	532	0.73300	577	1.06260	622	1.19620	667	0.34840	712	0.08120	757	0.01970
398	0.00860	443	0.31090	488	0.30090	533	0.73420	578	1.06880	623	1.20620	668	0.34340	713	0.07850	758	0.01910
399	0.00950	444	0.35090	489	0.31220	534	0.73920	579	1.07760	624	1.23490	669	0.34460	714	0.07600	759	0.01860
400	0.00920	445	0.39580	490	0.32460	535	0.74290	580	1.08630	625	1.24740	670	0.34590	715	0.07390	760	0.01820
401	0.00960	446	0.44580	491	0.33710	536	0.74670	581	1.09510	626	1.26110	671	0.32960	716	0.07130	761	0.01760
402	0.00940	447	0.49820	492	0.35090	537	0.75170	582	1.10260	627	1.27360	672	0.31220	717	0.06920	762	0.01710
403	0.00930	448	0.54690	493	0.36590	538	0.75790	583	1.11000	628	1.42350	673	0.29840	718	0.06720	763	0.01640
404	0.00960	449	0.58560	494	0.38460	539	0.76170	584	1.12000	629	2.24760	674	0.28470	719	0.06510	764	0.01600
405	0.00960	450	0.61560	495	0.39960	540	0.76790	585	1.12630	630	4.04560	675	0.27350	720	0.06280	765	0.01560
406	0.01020	451	0.62430	496	0.41580	541	0.77040	586	1.13380	631	4.30780	676	0.26350	721	0.06060	766	0.01510
407	0.01000	452	0.61180	497	0.43200	542	0.77670	587	1.14380	632	2.87190	677	0.25470	722	0.05880	767	0.01460
408	0.01000	453	0.58690	498	0.45080	543	0.78040	588	1.14630	633	1.97290	678	0.24720	723	0.05710	768	0.01410
409	0.01100	454	0.54820	499	0.46450	544	0.78910	589	1.14880	634	2.62210	679	0.23850	724	0.05530	769	0.01400
410	0.01090	455	0.50200	500	0.48200	545	0.79540	590	1.15000	635	3.17160	680	0.23100	725	0.05340	770	0.01360
411	0.01080	456	0.45580	501	0.49820	546	0.80040	591	1.15370	636	2.27250	681	0.22350	726	0.05160	771	0.01290
412	0.01110	457	0.41700	502	0.51190	547	0.80910	592	1.15500	637	1.36100	682	0.21600	727	0.04970	772	0.01290
413	0.01170	458	0.38710	503	0.52570	548	0.81290	593	1.15750	638	0.98140	683	0.20980	728	0.04860	773	0.01230
414	0.01200	459	0.36460	504	0.53690	549	0.81910	594	1.16250	639	0.84160	684	0.20230	729	0.04680	774	0.01220
415	0.01260	460	0.34840	505	0.55190	550	0.82780	595	1.16000	640	0.77920	685	0.19730	730	0.04530	775	0.01190
416	0.01360	461	0.33960	506	0.56440	551	0.83530	596	1.16870	641	0.74420	686	0.18980	731	0.04410	776	0.01140
417	0.01510	462	0.33340	507	0.57440	552	0.84410	597	1.19370	642	0.72050	687	0.18480	732	0.04270	777	0.01090
418	0.01660	463	0.33090	508	0.58690	553	0.85030	598	1.20740	643	0.70420	688	0.17860	733	0.04110	778	0.01080
419	0.01810	464	0.32710	509	0.59810	554	0.85910	599	1.19120	644	0.69670	689	0.17360	734	0.04000	779	0.01060
420	0.02010	465	0.32090	510	0.60560	555	0.86660	600	1.18370	645	0.71050	690	0.16860	735	0.03860	780	0.01030
421	0.02210	466	0.31340	511	0.61560	556	0.87530	601	1.18000	646	0.89650	691	0.16230	736	0.03750		
422	0.02520	467	0.30220	512	0.62560	557	0.88400	602	1.18370	647	1.21740	692	0.15730	737	0.03630		
423	0.02830	468	0.29090	513	0.63560	558	0.89280	603	1.19120	648	1.13750	693	0.15230	738	0.03500		
424	0.03260	469	0.27840	514	0.64180	559	0.90280	604	1.19370	649	0.85030	694	0.14730	739	0.03400		

### 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	13.1	14.5	13.8	15.2	15.9	13.1	14.5	13.8	15.2	15.9
	3H	16.1	17.4	16.8	18.1	18.8	16.1	17.4	16.8	18.1	18.8
	4H	17.6	18.9	18.3	19.5	20.3	17.6	18.8	18.3	19.5	20.3
	6H	19.2	20.3	19.9	21.0	21.8	19.1	20.3	19.8	20.9	21.8
	8H	19.8	20.9	20.5	21.6	22.4	19.7	20.8	20.4	21.5	22.3
	12H	20.3	21.3	21.0	22.0	22.9	20.2	21.2	20.9	21.9	22.7
4H	2H	14.1	15.3	14.8	16.0	16.8	14.1	15.4	14.8	16.0	16.8
	3H	17.4	18.4	18.0	19.1	19.9	17.4	18.4	18.0	19.1	19.9
	4H	19.0	20.0	19.7	20.7	21.5	19.0	19.9	19.7	20.7	21.5
	6H	20.7	21.6	21.4	22.3	23.1	20.6	21.5	21.3	22.2	23.1
	8H	21.4	22.2	22.1	23.0	23.8	21.3	22.1	22.1	22.9	23.7
	12H	21.9	22.7	22.7	23.4	24.3	21.8	22.5	22.5	23.3	24.2
8H	4H	19.7	20.5	20.4	21.2	22.0	19.7	20.4	20.4	21.2	22.0
	6H	21.5	22.2	22.3	23.0	23.9	21.5	22.2	22.2	23.0	23.8
	8H	22.4	23.0	23.1	23.8	24.6	22.3	22.9	23.1	23.7	24.6
	12H	23.0	23.6	23.8	24.3	25.3	22.9	23.4	23.7	24.2	25.1
12H	4H	19.8	20.5	20.5	21.3	22.1	19.8	20.5	20.5	21.3	22.1
	6H	21.8	22.4	22.5	23.1	24.0	21.7	22.3	22.5	23.1	24.0
	8H	22.7	23.2	23.4	24.0	24.9	22.6	23.1	23.3	23.9	24.8

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.