

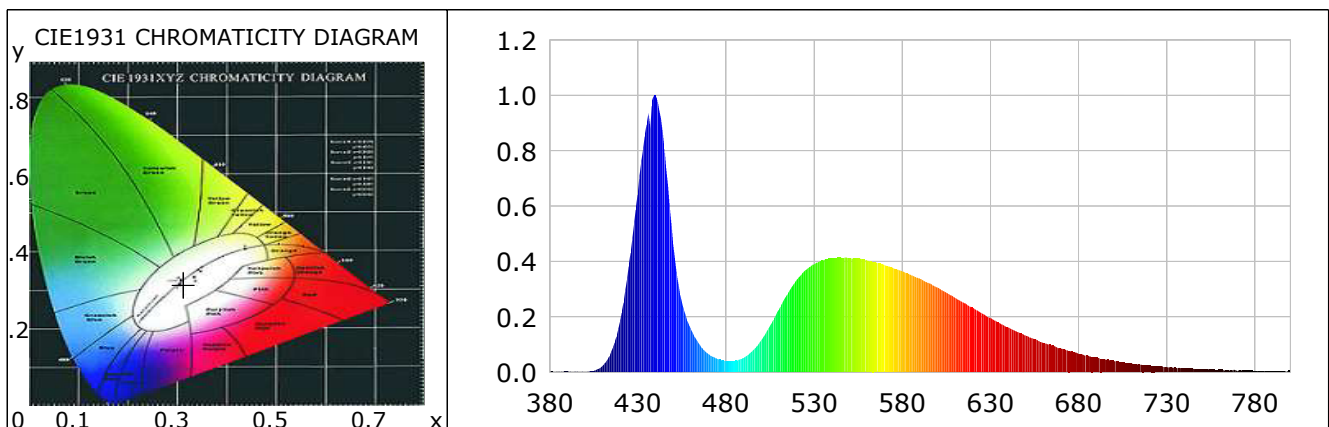
Lightsource Test Report (1/2)

Product Infomation

Product Type: 3012 18W OSRAM KW 5W DRI Product Number: 85

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3117$ $y=0.3151$ $u(u')=0.2025$ $v=0.3070$ $v'=0.4605$
 CCT: $T_c=6686K$ ($duv=-0.00361$) Color Ratio: $R=0.124$ $G=0.849$ $B=0.027$
 Peak Wavelength: 439.5nm Half Bandwidth: 22.2nm
 Dominant Wavelength: 479.8nm Color Purity: 0.090
 CRI: $R_a=66.4$ TM30: $R_f=58$, $R_g=98$
 $R1=71$ $R2=67$ $R3=62$ $R4=68$ $R5=71$ $R6=58$ $R7=70$ $R8=63$
 $R9=-17$ $R10=20$ $R11=73$ $R12=40$ $R13=67$ $R14=78$ $R15=66$
 Color Quality Scale: $Q_a=67.1$, $Q_f=63.1$, $Q_p=76.9$, $Q_g=94.0$
 $Q1=81$ $Q2=85$ $Q3=56$ $Q4=54$ $Q5=68$ $Q6=71$ $Q7=75$ $Q8=90$
 $Q9=80$ $Q10=60$ $Q11=56$ $Q12=60$ $Q13=67$ $Q14=61$ $Q15=70$



Photometric Parameters

Luminous Flux: 1307.88 lm Efficiency: 77.39 lm/W Radiant Power: 4.295 W
 EEI: 0.18 Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.80V Current: 1.3200A Power: 16.90W
 Power Factor: 0.0000 Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 20 Sec Photometric Condition: Sphere diameter: 1.50m, 4T
 Max of Signal: 47782 (2798) CCD Integration Time: 229.92 ms

Lightsource Test Report (2/2)

WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0014	0.0762	525	0.3680	20.2918	670	0.0863	4.7599
385	0.0019	0.1035	530	0.3907	21.5431	675	0.0769	4.2417
390	0.0045	0.2478	535	0.4028	22.2121	680	0.0666	3.6696
395	0.0015	0.0839	540	0.4115	22.6912	685	0.0602	3.3205
400	0.0011	0.0582	545	0.4141	22.8330	690	0.0521	2.8707
405	0.0055	0.3007	550	0.4113	22.6808	695	0.0470	2.5902
410	0.0239	1.3196	555	0.4103	22.6255	700	0.0407	2.2464
415	0.0752	4.1491	560	0.4044	22.2972	705	0.0357	1.9668
420	0.1880	10.3641	565	0.3966	21.8698	710	0.0315	1.7354
425	0.3928	21.6586	570	0.3866	21.3187	715	0.0280	1.5435
430	0.6502	35.8506	575	0.3753	20.6944	720	0.0245	1.3516
435	0.9016	49.7139	580	0.3643	20.0866	725	0.0218	1.1998
440	0.9998	55.1265	585	0.3508	19.3445	730	0.0193	1.0628
445	0.8076	44.5297	590	0.3378	18.6246	735	0.0165	0.9099
450	0.4630	25.5294	595	0.3215	17.7272	740	0.0141	0.7758
455	0.2507	13.8217	600	0.3060	16.8700	745	0.0132	0.7272
460	0.1569	8.6494	605	0.2869	15.8212	750	0.0113	0.6246
465	0.0989	5.4526	610	0.2682	14.7908	755	0.0098	0.5420
470	0.0660	3.6402	615	0.2505	13.8151	760	0.0097	0.5335
475	0.0491	2.7052	620	0.2332	12.8601	765	0.0049	0.2721
480	0.0402	2.2187	625	0.2129	11.7415	770	0.0041	0.2259
485	0.0406	2.2387	630	0.1958	10.7958	775	0.0076	0.4190
490	0.0527	2.9080	635	0.1782	9.8247	780	0.0044	0.2402
495	0.0769	4.2412	640	0.1621	8.9376	785	0.0035	0.1909
500	0.1165	6.4262	645	0.1462	8.0606	790	0.0042	0.2293
505	0.1683	9.2776	650	0.1319	7.2736	795	0.0041	0.2235
510	0.2276	12.5505	655	0.1201	6.6227	800	0.0047	0.2571
515	0.2841	15.6675	660	0.1063	5.8630			
520	0.3335	18.3896	665	0.0964	5.3177			

Condition: Tx:24.1°C, Ti:22.4°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-03-22 17:43:20
 Inspector: