

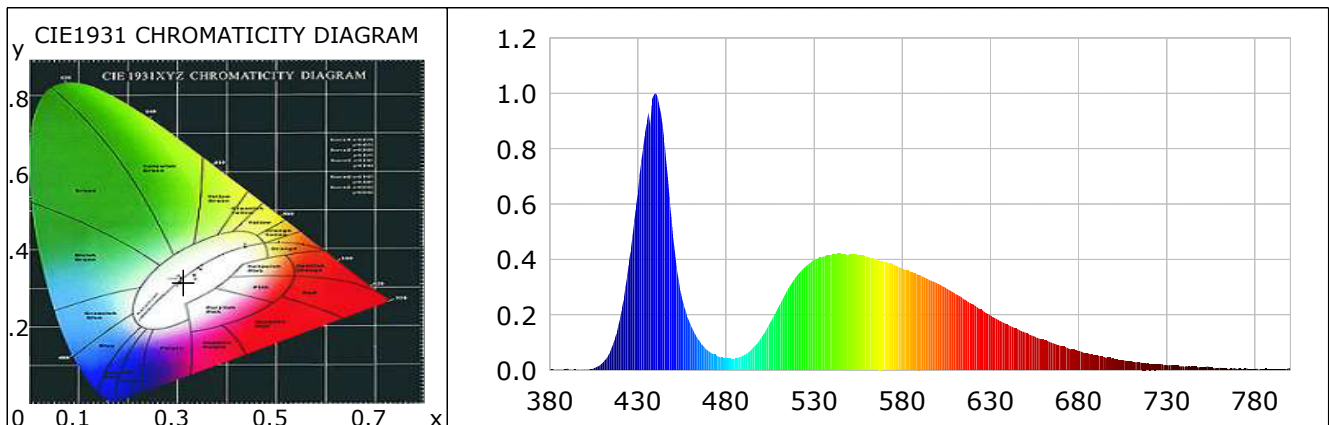
Lightsource Test Report (1/2)

Product Infomation

Product Type: 3012 18W OSRAM KW 5W FOG Product Number: 89

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3122$ $y=0.3156$ $u(u')=0.2026$ $v=0.3073$ $v'=0.4609$
 CCT: $T_c=6650K$ ($duv=-0.00359$) Color Ratio: $R=0.125$ $G=0.848$ $B=0.027$
 Peak Wavelength: 439.8nm Half Bandwidth: 22.4nm
 Dominant Wavelength: 479.8nm Color Purity: 0.087
 CRI: $R_a=66.8$ TM30: $R_f=58$, $R_g=99$
 $R_1=71$ $R_2=67$ $R_3=62$ $R_4=69$ $R_5=72$ $R_6=59$ $R_7=71$ $R_8=63$
 $R_9=-17$ $R_{10}=21$ $R_{11}=73$ $R_{12}=40$ $R_{13}=67$ $R_{14}=78$ $R_{15}=67$
 Color Quality Scale: $Q_a=67.4$, $Q_f=63.4$, $Q_p=77.0$, $Q_g=94.1$
 $Q_1=81$ $Q_2=85$ $Q_3=56$ $Q_4=55$ $Q_5=69$ $Q_6=71$ $Q_7=75$ $Q_8=90$
 $Q_9=80$ $Q_{10}=61$ $Q_{11}=56$ $Q_{12}=61$ $Q_{13}=68$ $Q_{14}=61$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 849.21 lm Efficiency: 49.90 lm/W Radiant Power: 2.786 W
 EEI: 0.25 Energy Efficiency Class: B (EU 874-2012)

Electric Parameters

Voltage: 12.80V Current: 1.3300A Power: 17.02W
 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: 47361 (2886) CCD Integration Time: 357.01 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	0.0018	0.0632	525	0.3734	13.1590	670	0.0877	3.0888
385	0.0017	0.0585	530	0.3985	14.0410	675	0.0766	2.6987
390	0.0064	0.2271	535	0.4100	14.4458	680	0.0678	2.3899
395	0.0026	0.0909	540	0.4177	14.7184	685	0.0616	2.1704
400	0.0017	0.0605	545	0.4201	14.8040	690	0.0533	1.8788
405	0.0070	0.2463	550	0.4179	14.7244	695	0.0471	1.6591
410	0.0268	0.9453	555	0.4139	14.5862	700	0.0405	1.4286
415	0.0782	2.7541	560	0.4100	14.4487	705	0.0375	1.3211
420	0.1893	6.6716	565	0.4004	14.1109	710	0.0325	1.1460
425	0.3909	13.7733	570	0.3913	13.7879	715	0.0283	0.9965
430	0.6425	22.6413	575	0.3817	13.4511	720	0.0239	0.8412
435	0.8964	31.5857	580	0.3676	12.9538	725	0.0219	0.7720
440	1.0000	35.2375	585	0.3542	12.4825	730	0.0190	0.6684
445	0.8242	29.0445	590	0.3434	12.1011	735	0.0168	0.5932
450	0.4794	16.8932	595	0.3271	11.5276	740	0.0123	0.4321
455	0.2598	9.1538	600	0.3128	11.0212	745	0.0126	0.4454
460	0.1626	5.7296	605	0.2952	10.4019	750	0.0107	0.3768
465	0.1041	3.6672	610	0.2761	9.7287	755	0.0097	0.3412
470	0.0697	2.4552	615	0.2564	9.0360	760	0.0103	0.3621
475	0.0516	1.8170	620	0.2388	8.4140	765	0.0046	0.1617
480	0.0417	1.4686	625	0.2187	7.7060	770	0.0038	0.1348
485	0.0421	1.4848	630	0.1986	6.9996	775	0.0075	0.2660
490	0.0544	1.9186	635	0.1800	6.3427	780	0.0044	0.1567
495	0.0792	2.7913	640	0.1649	5.8099	785	0.0037	0.1315
500	0.1181	4.1618	645	0.1491	5.2555	790	0.0038	0.1341
505	0.1719	6.0569	650	0.1351	4.7609	795	0.0055	0.1930
510	0.2319	8.1711	655	0.1225	4.3150	800	0.0049	0.1719
515	0.2920	10.2883	660	0.1100	3.8754			
520	0.3407	12.0056	665	0.0992	3.4968			

Condition: Tx:24.0°C, Ti:22.3°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-03-22 17:59:08
 Inspector: