

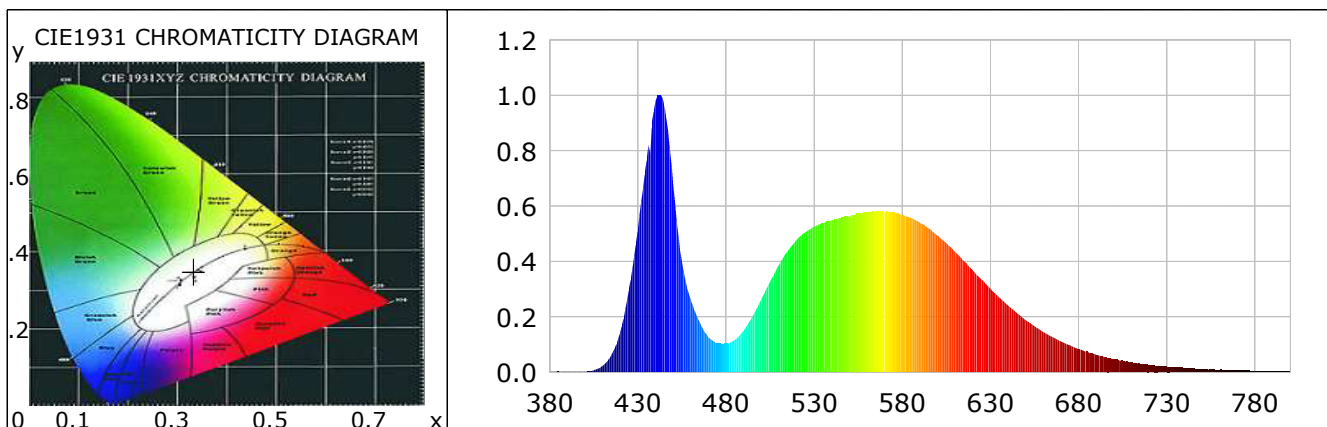
Lightsource Test Report (1/2)

Product Infomation

Product Type: 48款 30inch 150W OSRAM P8 Product Number: 51

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3330$ $y=0.3492$ $u(u')=0.2041$ $v=0.3211$ $v'=0.4817$
 CCT: $T_c=5480K$ ($duv=0.00389$) Color Ratio: $R=0.132$ $G=0.837$ $B=0.031$
 Peak Wavelength: 442.6nm Half Bandwidth: 23.1nm
 Dominant Wavelength: 553.5nm Color Purity: 0.047
 CRI: $R_a=70.5$ TM30: $R_f=69$, $R_g=95$
 $R_1=69$ $R_2=73$ $R_3=78$ $R_4=72$ $R_5=71$ $R_6=67$ $R_7=77$ $R_8=56$
 $R_9=-36$ $R_{10}=39$ $R_{11}=73$ $R_{12}=49$ $R_{13}=68$ $R_{14}=88$ $R_{15}=61$
 Color Quality Scale: $Q_a=71.8$, $Q_f=70.7$, $Q_p=75.3$, $Q_g=90.9$
 $Q_1=76$ $Q_2=92$ $Q_3=66$ $Q_4=65$ $Q_5=73$ $Q_6=73$ $Q_7=76$ $Q_8=86$
 $Q_9=90$ $Q_{10}=72$ $Q_{11}=69$ $Q_{12}=69$ $Q_{13}=71$ $Q_{14}=57$ $Q_{15}=65$



Photometric Parameters

Luminous Flux: 10097.94 lm Efficiency: 92.81 lm/W Radiant Power: 30.518 W
 EEI: 0.15 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.79V Current: 8.4500A Power: 108.80W
 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: 44975 (3198) CCD Integration Time: 40.33 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	0.0019	0.5509	525	0.5062	145.4614	670	0.1113	31.9876
385	0.0024	0.6987	530	0.5254	150.9776	675	0.0972	27.9214
390	0.0029	0.8474	535	0.5377	154.5125	680	0.0838	24.0797
395	0.0016	0.4599	540	0.5497	157.9354	685	0.0732	21.0458
400	0.0019	0.5536	545	0.5582	160.3916	690	0.0626	17.9755
405	0.0073	2.0892	550	0.5618	161.4157	695	0.0543	15.5993
410	0.0233	6.6827	555	0.5735	164.7982	700	0.0463	13.3073
415	0.0620	17.8019	560	0.5777	165.9869	705	0.0409	11.7409
420	0.1456	41.8300	565	0.5817	167.1500	710	0.0352	10.1147
425	0.3020	86.7741	570	0.5784	166.2047	715	0.0301	8.6591
430	0.5157	148.1865	575	0.5764	165.6340	720	0.0258	7.4083
435	0.7739	222.3795	580	0.5679	163.1878	725	0.0225	6.4544
440	0.9795	281.4395	585	0.5577	160.2438	730	0.0200	5.7351
445	0.9630	276.7012	590	0.5391	154.9009	735	0.0173	4.9734
450	0.6800	195.3754	595	0.5200	149.4182	740	0.0147	4.2354
455	0.3955	113.6377	600	0.4939	141.9049	745	0.0128	3.6703
460	0.2606	74.8849	605	0.4660	133.8939	750	0.0112	3.2291
465	0.1809	51.9886	610	0.4343	124.8039	755	0.0093	2.6716
470	0.1265	36.3610	615	0.4003	115.0259	760	0.0086	2.4647
475	0.1052	30.2155	620	0.3668	105.4075	765	0.0067	1.9246
480	0.1029	29.5603	625	0.3342	96.0289	770	0.0056	1.6229
485	0.1177	33.8170	630	0.3009	86.4731	775	0.0063	1.8011
490	0.1518	43.6258	635	0.2699	77.5654	780	0.0044	1.2634
495	0.2022	58.0963	640	0.2415	69.3775	785	0.0038	1.1002
500	0.2643	75.9356	645	0.2135	61.3590	790	0.0035	0.9982
505	0.3272	94.0261	650	0.1884	54.1432	795	0.0034	0.9822
510	0.3879	111.4663	655	0.1658	47.6447	800	0.0035	1.0132
515	0.4385	125.9899	660	0.1457	41.8517			
520	0.4782	137.4085	665	0.1277	36.7012			

Condition: Tx:31.1'C, Ti:30.6'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-04-02 10:45:17
 Inspector: