

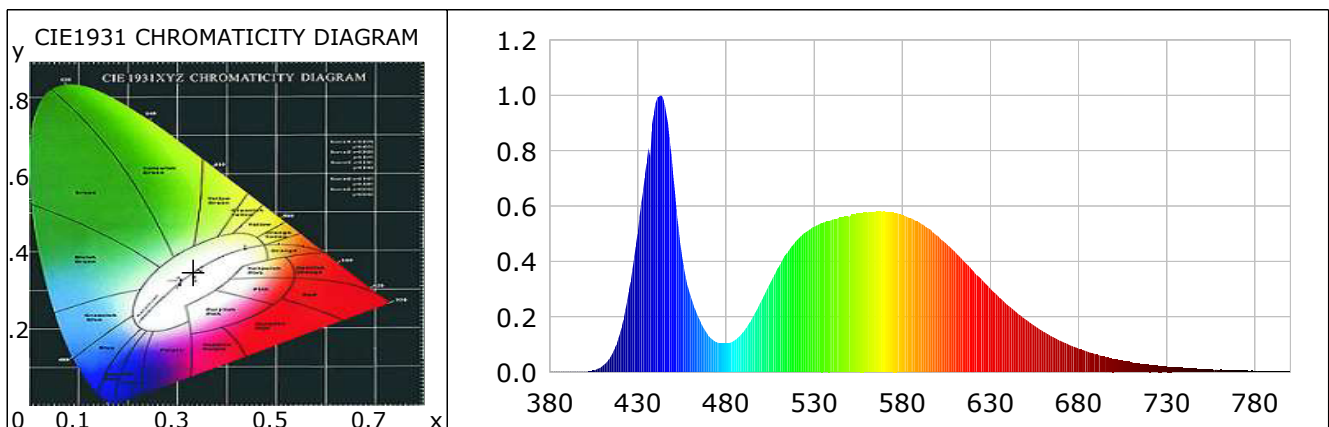
Lightsource Test Report (1/2)

Product Infomation

Product Type: 48款C 50inch 250W OSRAM P8 Product Number: 69

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3323$ $y=0.3476$ $u(u')=0.2042$ $v=0.3205$ $v'=0.4808$
 CCT: $T_c=5510K$ ($duv=0.00342$) Color Ratio: $R=0.132$ $G=0.837$ $B=0.031$
 Peak Wavelength: 443.0nm Half Bandwidth: 23.5nm
 Dominant Wavelength: 550.8nm Color Purity: 0.041
 CRI: $R_a=70.6$ TM30: $R_f=67$, $R_g=96$
 $R_1=69$ $R_2=74$ $R_3=78$ $R_4=73$ $R_5=71$ $R_6=67$ $R_7=77$ $R_8=57$
 $R_9=-35$ $R_{10}=39$ $R_{11}=73$ $R_{12}=49$ $R_{13}=68$ $R_{14}=88$ $R_{15}=62$
 Color Quality Scale: $Q_a=71.7$, $Q_f=70.5$, $Q_p=75.3$, $Q_g=91.0$
 $Q_1=77$ $Q_2=91$ $Q_3=66$ $Q_4=64$ $Q_5=73$ $Q_6=73$ $Q_7=76$ $Q_8=86$
 $Q_9=90$ $Q_{10}=72$ $Q_{11}=68$ $Q_{12}=69$ $Q_{13}=71$ $Q_{14}=57$ $Q_{15}=65$



Photometric Parameters

Luminous Flux: 14380.73 lm Efficiency: 75.54 lm/W Radiant Power: 43.600 W
 EEI: 0.18 Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.81V Current: 14.8600A Power: 190.36W
 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 (3326) CCD Integration Time: 28.06 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	0.7294	525	0.5049	206.8650	670	0.1128	46.2225
385	0.0021	0.8728	530	0.5249	215.0474	675	0.0979	40.1218
390	0.0029	1.2031	535	0.5401	221.2808	680	0.0854	34.9909
395	0.0016	0.6744	540	0.5514	225.9257	685	0.0745	30.5195
400	0.0020	0.8360	545	0.5600	229.4175	690	0.0647	26.4916
405	0.0068	2.7993	550	0.5617	230.1441	695	0.0563	23.0822
410	0.0232	9.4947	555	0.5738	235.0711	700	0.0481	19.7165
415	0.0613	25.1026	560	0.5765	236.2147	705	0.0418	17.1161
420	0.1428	58.5159	565	0.5805	237.8211	710	0.0360	14.7574
425	0.2976	121.9310	570	0.5807	237.9211	715	0.0311	12.7590
430	0.5077	208.0018	575	0.5762	236.0875	720	0.0271	11.0904
435	0.7634	312.7626	580	0.5665	232.1181	725	0.0235	9.6468
440	0.9702	397.4818	585	0.5561	227.8351	730	0.0201	8.2518
445	0.9742	399.1554	590	0.5387	220.7258	735	0.0174	7.1192
450	0.7145	292.7295	595	0.5183	212.3373	740	0.0145	5.9590
455	0.4181	171.2983	600	0.4927	201.8685	745	0.0131	5.3755
460	0.2720	111.4329	605	0.4638	190.0264	750	0.0111	4.5411
465	0.1895	77.6235	610	0.4338	177.7251	755	0.0096	3.9415
470	0.1321	54.1193	615	0.3993	163.6050	760	0.0092	3.7728
475	0.1077	44.1077	620	0.3667	150.2409	765	0.0064	2.6352
480	0.1031	42.2295	625	0.3345	137.0634	770	0.0061	2.4805
485	0.1160	47.5363	630	0.3015	123.5472	775	0.0062	2.5462
490	0.1479	60.5962	635	0.2705	110.8320	780	0.0045	1.8574
495	0.1974	80.8830	640	0.2412	98.8250	785	0.0038	1.5543
500	0.2576	105.5570	645	0.2140	87.6923	790	0.0047	1.9409
505	0.3210	131.5313	650	0.1899	77.8007	795	0.0039	1.5805
510	0.3827	156.7764	655	0.1669	68.3790	800	0.0038	1.5510
515	0.4346	178.0523	660	0.1467	60.0964			
520	0.4758	194.9343	665	0.1286	52.6814			

Condition: Tx:32.5'C, Ti:31.5'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-04-02 15:46:14
 Inspector: