

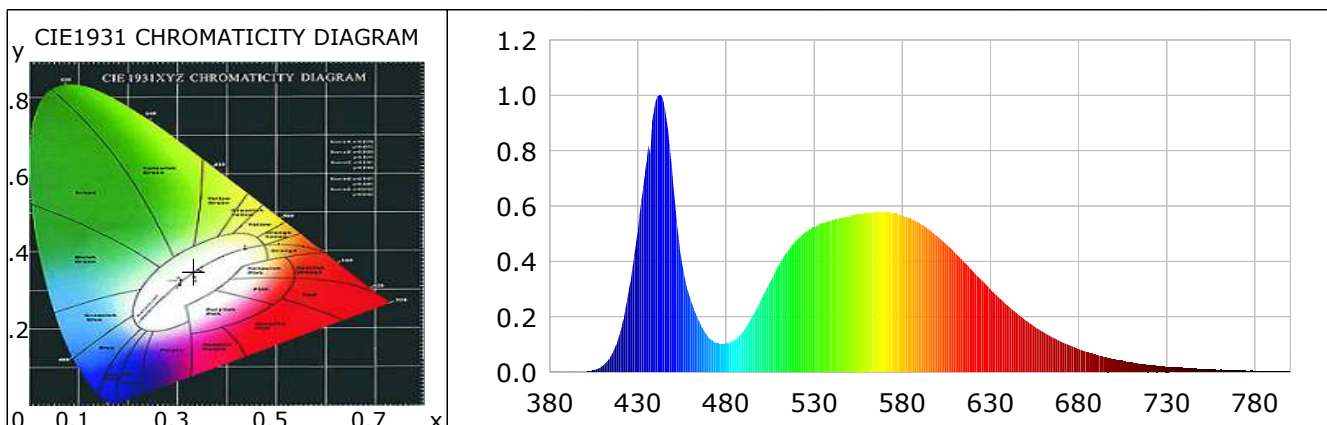
Lightsource Test Report (1/2)

Product Information

Product Type: 48款40inch 200W OSRAM P8 Product Number: 50

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3326$ $y=0.3490$ $u(u')=0.2039$ $v=0.3210$ $v'=0.4816$
 CCT: $T_c=5498K$ ($duv=0.00397$) Color Ratio: $R=0.132$ $G=0.837$ $B=0.031$
 Peak Wavelength: 442.6nm Half Bandwidth: 23.1nm
 Dominant Wavelength: 552.3nm Color Purity: 0.046
 CRI: $R_a=70.5$ TM30: $R_f=69$, $R_g=96$
 $R_1=69$ $R_2=73$ $R_3=78$ $R_4=72$ $R_5=71$ $R_6=67$ $R_7=77$ $R_8=57$
 $R_9=-36$ $R_{10}=39$ $R_{11}=73$ $R_{12}=49$ $R_{13}=68$ $R_{14}=88$ $R_{15}=61$
 Color Quality Scale: $Q_a=71.8$, $Q_f=70.8$, $Q_p=75.3$, $Q_g=90.9$
 $Q_1=76$ $Q_2=92$ $Q_3=66$ $Q_4=65$ $Q_5=73$ $Q_6=73$ $Q_7=76$ $Q_8=86$
 $Q_9=90$ $Q_{10}=72$ $Q_{11}=69$ $Q_{12}=69$ $Q_{13}=71$ $Q_{14}=57$ $Q_{15}=65$



Photometric Parameters

Luminous Flux: 12411.30 lm Efficiency: 83.36 lm/W Radiant Power: 37.519 W
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.79V Current: 11.6400A Power: 148.88W
 Power Factor: 0.0000 Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 20 Sec Photometric Condition: Sphere diameter: 1.50m, 4T
 Max of Signal: 45214 (3180) CCD Integration Time: 32.80 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	0.0017	0.6144	525	0.5047	179.0306	670	0.1108	39.3030
385	0.0022	0.7804	530	0.5231	185.5366	675	0.0966	34.2549
390	0.0028	0.9873	535	0.5375	190.6428	680	0.0842	29.8600
395	0.0013	0.4783	540	0.5482	194.4466	685	0.0725	25.7287
400	0.0021	0.7423	545	0.5566	197.4226	690	0.0625	22.1564
405	0.0072	2.5598	550	0.5588	198.2260	695	0.0543	19.2589
410	0.0232	8.2124	555	0.5716	202.7614	700	0.0473	16.7633
415	0.0614	21.7688	560	0.5752	204.0458	705	0.0406	14.4044
420	0.1440	51.0783	565	0.5784	205.1785	710	0.0358	12.7076
425	0.3008	106.6993	570	0.5773	204.7661	715	0.0300	10.6575
430	0.5133	182.0795	575	0.5737	203.5012	720	0.0258	9.1494
435	0.7720	273.8298	580	0.5650	200.3990	725	0.0226	8.0182
440	0.9780	346.8978	585	0.5547	196.7547	730	0.0192	6.8081
445	0.9638	341.8619	590	0.5361	190.1545	735	0.0166	5.9052
450	0.6819	241.8897	595	0.5164	183.1583	740	0.0145	5.1262
455	0.3927	139.2950	600	0.4904	173.9342	745	0.0122	4.3167
460	0.2598	92.1608	605	0.4624	164.0158	750	0.0107	3.7966
465	0.1802	63.9043	610	0.4311	152.9140	755	0.0092	3.2765
470	0.1263	44.7955	615	0.3974	140.9664	760	0.0088	3.1133
475	0.1045	37.0705	620	0.3641	129.1649	765	0.0069	2.4428
480	0.1025	36.3523	625	0.3321	117.8027	770	0.0053	1.8709
485	0.1171	41.5527	630	0.2994	106.1985	775	0.0049	1.7532
490	0.1512	53.6264	635	0.2679	95.0447	780	0.0040	1.4208
495	0.2024	71.8046	640	0.2395	84.9682	785	0.0038	1.3327
500	0.2638	93.5650	645	0.2118	75.1274	790	0.0033	1.1651
505	0.3266	115.8479	650	0.1871	66.3549	795	0.0033	1.1612
510	0.3878	137.5601	655	0.1640	58.1651	800	0.0035	1.2498
515	0.4371	155.0345	660	0.1451	51.4590			
520	0.4771	169.2293	665	0.1270	45.0349			

Condition: Tx:31.0°C, Ti:30.6°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-04-02 10:37:39
 Inspector: