

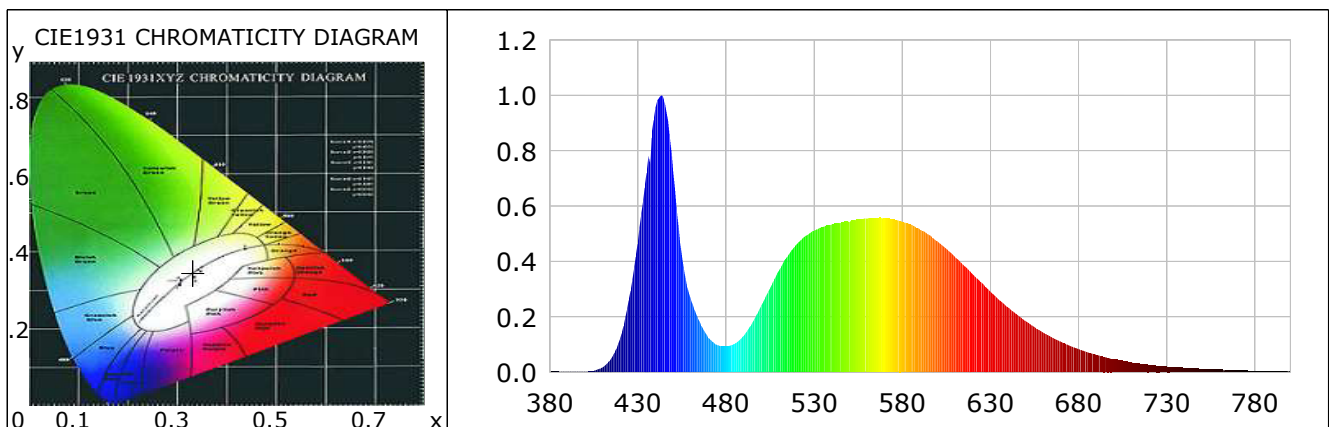
Lightsource Test Report (1/2)

Product Infomation

Product Type: 49款C 20inch 200W OSRAM P8 Product Number: 64

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3312$ $y=0.3461$ $u(u')=0.2041$ $v=0.3199$ $v'=0.4799$
 CCT: $T_c=5556K$ ($duv=0.00309$) Color Ratio: $R=0.132$ $G=0.837$ $B=0.031$
 Peak Wavelength: 443.4nm Half Bandwidth: 22.9nm
 Dominant Wavelength: 545.5nm Color Purity: 0.033
 CRI: $R_a=70.6$ TM30: $R_f=67$, $R_g=97$
 $R1=69$ $R2=73$ $R3=77$ $R4=73$ $R5=71$ $R6=66$ $R7=77$ $R8=58$
 $R9=-33$ $R10=38$ $R11=73$ $R12=47$ $R13=69$ $R14=87$ $R15=63$
 Color Quality Scale: $Q_a=71.5$, $Q_f=70.3$, $Q_p=75.5$, $Q_g=91.3$
 $Q1=77$ $Q2=91$ $Q3=65$ $Q4=64$ $Q5=72$ $Q6=73$ $Q7=76$ $Q8=86$
 $Q9=90$ $Q10=72$ $Q11=68$ $Q12=69$ $Q13=71$ $Q14=58$ $Q15=66$



Photometric Parameters

Luminous Flux: 10493.85 lm Efficiency: 98.18 lm/W Radiant Power: 31.857 W
 EEI: 0.14 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.80V Current: 8.3500A Power: 106.88W
 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: 45056 (3337) CCD Integration Time: 36.95 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	0.0022	0.6787	525	0.4919	152.7156	670	0.1103	34.2381
385	0.0028	0.8604	530	0.5117	158.8704	675	0.0955	29.6597
390	0.0030	0.9375	535	0.5243	162.7780	680	0.0839	26.0341
395	0.0016	0.5112	540	0.5346	165.9704	685	0.0725	22.5101
400	0.0017	0.5414	545	0.5409	167.9355	690	0.0634	19.6713
405	0.0055	1.7012	550	0.5418	168.2090	695	0.0547	16.9925
410	0.0185	5.7355	555	0.5527	171.6112	700	0.0473	14.6742
415	0.0503	15.6260	560	0.5545	172.1771	705	0.0409	12.7018
420	0.1233	38.2949	565	0.5581	173.2782	710	0.0354	11.0023
425	0.2660	82.5839	570	0.5559	172.5981	715	0.0308	9.5605
430	0.4711	146.2800	575	0.5519	171.3582	720	0.0261	8.1186
435	0.7294	226.4686	580	0.5425	168.4284	725	0.0227	7.0601
440	0.9570	297.1248	585	0.5331	165.5152	730	0.0200	6.2068
445	0.9787	303.8834	590	0.5152	159.9660	735	0.0171	5.3133
450	0.7270	225.7121	595	0.4962	154.0635	740	0.0148	4.6060
455	0.4162	129.2178	600	0.4727	146.7597	745	0.0130	4.0417
460	0.2630	81.6646	605	0.4453	138.2547	750	0.0115	3.5624
465	0.1826	56.7087	610	0.4157	129.0805	755	0.0099	3.0663
470	0.1249	38.7641	615	0.3840	119.2175	760	0.0088	2.7198
475	0.0993	30.8465	620	0.3529	109.5692	765	0.0062	1.9304
480	0.0930	28.8787	625	0.3227	100.2048	770	0.0061	1.8890
485	0.1036	32.1668	630	0.2906	90.2367	775	0.0063	1.9564
490	0.1327	41.1925	635	0.2603	80.8088	780	0.0046	1.4238
495	0.1800	55.9005	640	0.2344	72.7815	785	0.0044	1.3590
500	0.2415	74.9780	645	0.2083	64.6874	790	0.0044	1.3653
505	0.3040	94.3887	650	0.1843	57.2167	795	0.0035	1.0917
510	0.3680	114.2616	655	0.1621	50.3307	800	0.0034	1.0638
515	0.4206	130.5994	660	0.1431	44.4432			
520	0.4623	143.5245	665	0.1254	38.9216			

Condition: Tx:32.5'C, Ti:31.3'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-04-02 14:54:04
 Inspector: