

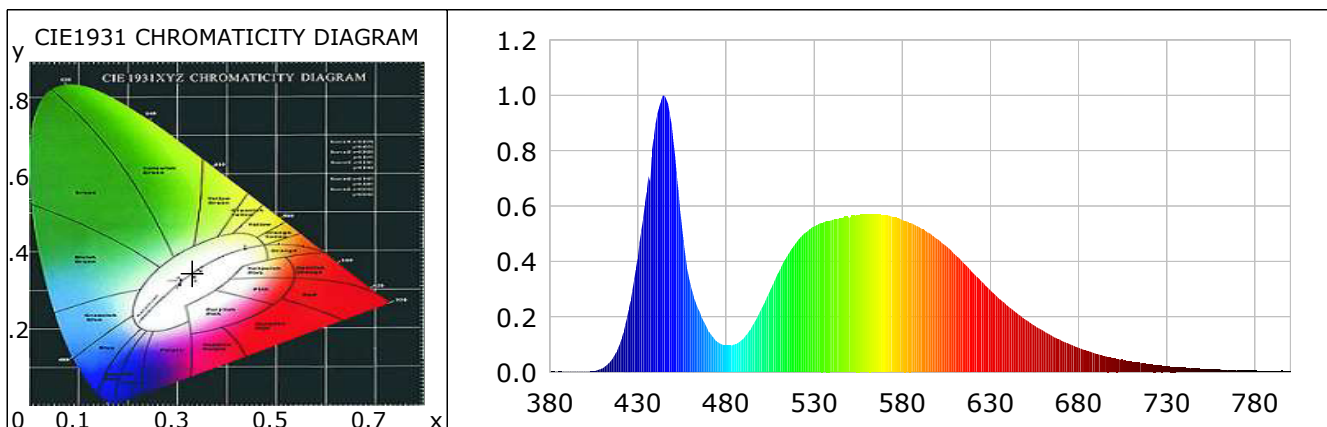
Lightsource Test Report (1/2)

Product Infomation

Product Type: 49款 C 40inch OSRAM P8 Product Number: 59

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3304$ $y=0.3454$ $u(u')=0.2038$ $v=0.3196$ $v'=0.4794$
 CCT: $T_c=5590K$ ($duv=0.00310$) Color Ratio: $R=0.132$ $G=0.837$ $B=0.031$
 Peak Wavelength: 444.6nm Half Bandwidth: 23.7nm
 Dominant Wavelength: 540.6nm Color Purity: 0.029
 CRI: $R_a=70.8$ TM30: $R_f=67$, $R_g=96$
 $R_1=69$ $R_2=74$ $R_3=77$ $R_4=73$ $R_5=71$ $R_6=66$ $R_7=78$ $R_8=58$
 $R_9=-32$ $R_{10}=38$ $R_{11}=72$ $R_{12}=45$ $R_{13}=69$ $R_{14}=87$ $R_{15}=63$
 Color Quality Scale: $Q_a=71.3$, $Q_f=70.0$, $Q_p=75.1$, $Q_g=91.1$
 $Q_1=78$ $Q_2=92$ $Q_3=64$ $Q_4=62$ $Q_5=71$ $Q_6=73$ $Q_7=76$ $Q_8=86$
 $Q_9=89$ $Q_{10}=71$ $Q_{11}=67$ $Q_{12}=69$ $Q_{13}=71$ $Q_{14}=58$ $Q_{15}=66$



Photometric Parameters

Luminous Flux: 19391.07 lm Efficiency: 78.31 lm/W Radiant Power: 58.808 W
 EEI: 0.17 Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.81V Current: 19.3300A Power: 247.62W
 Power Factor: 1.0000 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: 48276 (3595) CCD Integration Time: 21.19 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	0.0020	1.1460	525	0.5040	283.3299	670	0.1155	64.9136
385	0.0025	1.4296	530	0.5262	295.7864	675	0.1007	56.6318
390	0.0030	1.7022	535	0.5400	303.5347	680	0.0881	49.5187
395	0.0017	0.9457	540	0.5498	309.0765	685	0.0771	43.3627
400	0.0015	0.8449	545	0.5572	313.2089	690	0.0669	37.5971
405	0.0045	2.5326	550	0.5571	313.1728	695	0.0584	32.8018
410	0.0147	8.2368	555	0.5681	319.3164	700	0.0507	28.5105
415	0.0429	24.1353	560	0.5705	320.6963	705	0.0446	25.0658
420	0.1061	59.6402	565	0.5717	321.3677	710	0.0378	21.2527
425	0.2322	130.5497	570	0.5673	318.8707	715	0.0336	18.9002
430	0.4170	234.4070	575	0.5602	314.8963	720	0.0285	16.0410
435	0.6585	370.1532	580	0.5500	309.1523	725	0.0252	14.1530
440	0.8965	503.9515	585	0.5398	303.4208	730	0.0207	11.6357
445	1.0000	562.1240	590	0.5216	293.1851	735	0.0189	10.6360
450	0.8437	474.2622	595	0.5034	282.9493	740	0.0164	9.2330
455	0.5211	292.9280	600	0.4802	269.9148	745	0.0148	8.2953
460	0.3111	174.8895	605	0.4550	255.7631	750	0.0115	6.4658
465	0.2174	122.2096	610	0.4246	238.6802	755	0.0106	5.9444
470	0.1491	83.8139	615	0.3927	220.7476	760	0.0105	5.9215
475	0.1100	61.8101	620	0.3593	201.9487	765	0.0064	3.5785
480	0.0965	54.2517	625	0.3271	183.8559	770	0.0057	3.2262
485	0.1013	56.9538	630	0.2955	166.0825	775	0.0062	3.4874
490	0.1236	69.4740	635	0.2653	149.1341	780	0.0052	2.9343
495	0.1678	94.2969	640	0.2384	134.0000	785	0.0041	2.3247
500	0.2280	128.1876	645	0.2128	119.6179	790	0.0046	2.5752
505	0.2952	165.9634	650	0.1893	106.4369	795	0.0048	2.6848
510	0.3641	204.6735	655	0.1679	94.3779	800	0.0044	2.4718
515	0.4234	238.0028	660	0.1493	83.9468			
520	0.4704	264.4118	665	0.1313	73.7796			

Condition: Tx:35.2'C, Ti:34.2'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-06-11 10:49:36
 Inspector: