

Lightsource Test Report (1/2)

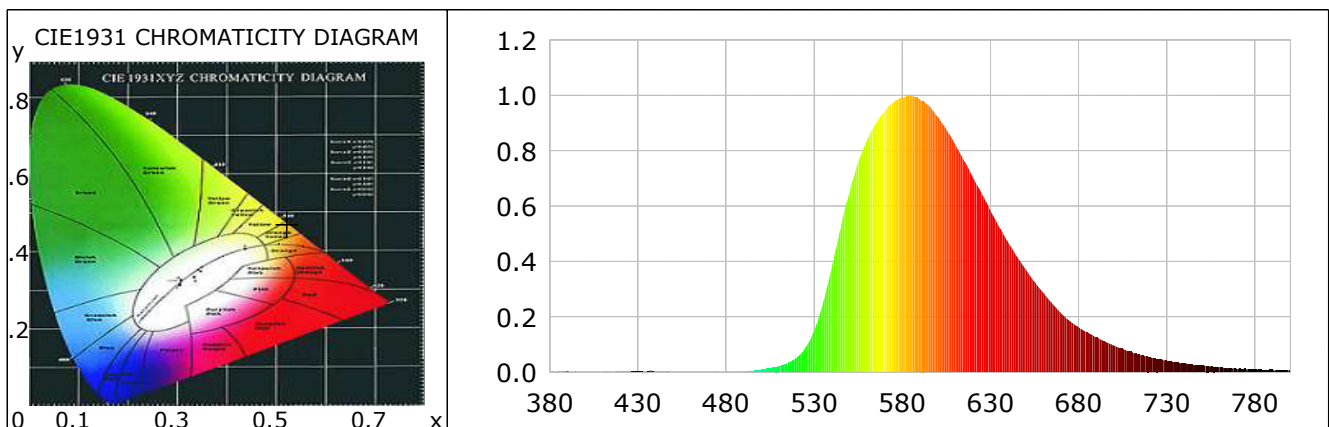
Product Infomation

Product Type: 48-40"-COMBO-A

Product Number: 48-40"-COMBO-A

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5224$ $y=0.4733$ $u(u')=0.2737$ $v=0.3720$ $v'=0.5579$
 CCT: $T_c=2410K$ ($duv=0.01717$) Color Ratio: $R=0.212$ $G=0.788$ $B=0.000$
 Peak Wavelength: 585.0nm Half Bandwidth: 93.0nm
 Dominant Wavelength: 581.8nm Color Purity: 0.990
 CRI: $R_a=40.3$ TM30: $R_f=13$, $R_g=19$
 $R_1=33$ $R_2=59$ $R_3=71$ $R_4=22$ $R_5=26$ $R_6=35$ $R_7=66$ $R_8=10$
 $R_9=-110$ $R_{10}=8$ $R_{11}=-9$ $R_{12}=-21$ $R_{13}=35$ $R_{14}=84$ $R_{15}=28$
 Color Quality Scale: $Q_a=0.4$, $Q_f=0.9$, $Q_p=0.0$, $Q_g=8.3$
 $Q_1=46$ $Q_2=14$ $Q_3=1$ $Q_4=3$ $Q_5=16$ $Q_6=33$ $Q_7=28$ $Q_8=3$
 $Q_9=0$ $Q_{10}=0$ $Q_{11}=0$ $Q_{12}=0$ $Q_{13}=0$ $Q_{14}=1$ $Q_{15}=39$



Photometric Parameters

Luminous Flux: 5388.45 lm
 EEI: 0.43

Efficiency: 31.92 lm/W
 Energy Efficiency Class: B (EU 874-2012)

Radiant Power: 13.001 W

Electric Parameters

Voltage: 12.79V
 Power Factor: 1.0000

Current: 13.2000A
 Frequency: 0.00Hz

Power: 168.80W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 45329 (3313)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4T
 CCD Integration Time: 81.19 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	0.0006	0.0739	525	0.0879	11.3561	670	0.2132	27.5286
385	0.0014	0.1849	530	0.1506	19.4457	675	0.1845	23.8219
390	0.0038	0.4874	535	0.2486	32.1052	680	0.1621	20.9267
395	0.0012	0.1516	540	0.3811	49.2129	685	0.1445	18.6653
400	0.0004	0.0479	545	0.5249	67.7854	690	0.1256	16.2168
405	0.0010	0.1295	550	0.6471	83.5641	695	0.1112	14.3531
410	0.0010	0.1288	555	0.7592	98.0292	700	0.0968	12.5051
415	0.0011	0.1485	560	0.8375	108.1424	705	0.0845	10.9095
420	0.0020	0.2549	565	0.8986	116.0405	710	0.0729	9.4197
425	0.0020	0.2524	570	0.9426	121.7169	715	0.0631	8.1459
430	0.0031	0.4015	575	0.9752	125.9303	720	0.0544	7.0191
435	0.0027	0.3514	580	0.9905	127.8971	725	0.0475	6.1339
440	0.0018	0.2338	585	1.0000	129.1289	730	0.0405	5.2318
445	0.0015	0.1880	590	0.9845	127.1330	735	0.0368	4.7490
450	0.0010	0.1346	595	0.9635	124.4190	740	0.0310	4.0073
455	0.0010	0.1273	600	0.9241	119.3327	745	0.0276	3.5603
460	0.0009	0.1193	605	0.8765	113.1827	750	0.0236	3.0447
465	0.0008	0.1011	610	0.8221	106.1567	755	0.0201	2.6017
470	0.0013	0.1734	615	0.7639	98.6403	760	0.0201	2.5991
475	0.0014	0.1766	620	0.7040	90.9035	765	0.0137	1.7658
480	0.0013	0.1739	625	0.6444	83.2125	770	0.0115	1.4834
485	0.0013	0.1649	630	0.5833	75.3174	775	0.0125	1.6178
490	0.0026	0.3415	635	0.5242	67.6891	780	0.0098	1.2661
495	0.0043	0.5492	640	0.4701	60.7098	785	0.0075	0.9664
500	0.0082	1.0595	645	0.4173	53.8880	790	0.0084	1.0885
505	0.0146	1.8904	650	0.3707	47.8646	795	0.0063	0.8096
510	0.0224	2.8904	655	0.3262	42.1201	800	0.0064	0.8237
515	0.0340	4.3842	660	0.2868	37.0315			
520	0.0529	6.8355	665	0.2480	32.0223			

Condition: Tx:31.4°C, Ti:30.7°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-05-25 16:21:39
 Inspector: