

## Lightsource Test Report (1/2)

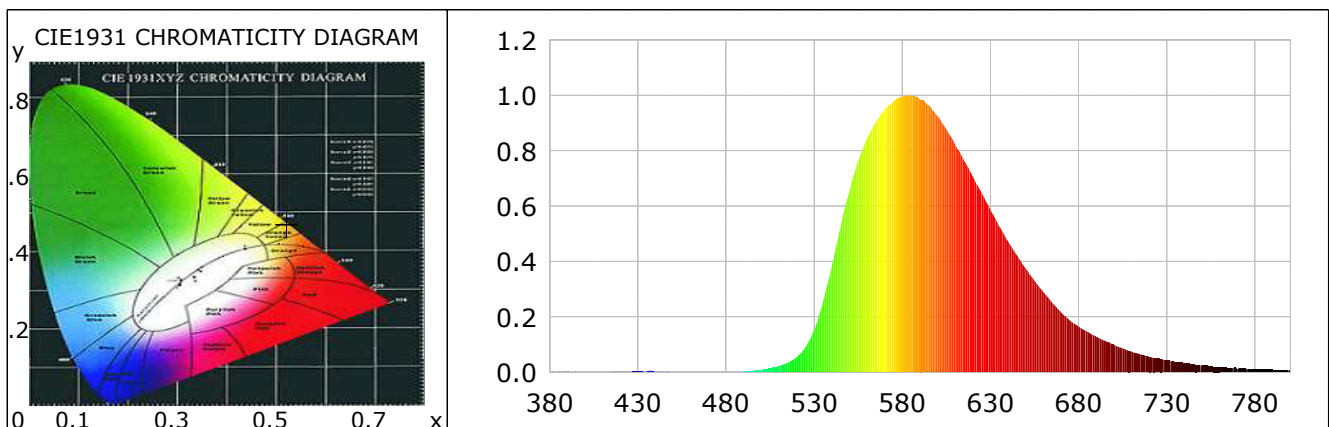
### Product Infomation

Product Type: 48-50"-COMBO-A

Product Number: 48-50"-COMBO-A

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5220$   $y=0.4737$   $u(u')=0.2733$   $v=0.3720$   $v'=0.5580$   
 CCT:  $T_c=2416K$  ( $duv=0.01729$ ) Color Ratio:  $R=0.211$   $G=0.788$   $B=0.000$   
 Peak Wavelength: 585.1nm Half Bandwidth: 93.5nm  
 Dominant Wavelength: 581.8nm Color Purity: 0.990  
 CRI:  $R_a=40.2$  TM30:  $R_f=13$ ,  $R_g=19$   
 $R_1=33$   $R_2=59$   $R_3=70$   $R_4=22$   $R_5=26$   $R_6=35$   $R_7=66$   $R_8=11$   
 $R_9=-109$   $R_{10}=7$   $R_{11}=-9$   $R_{12}=-21$   $R_{13}=35$   $R_{14}=84$   $R_{15}=28$   
 Color Quality Scale:  $Q_a=0.4$ ,  $Q_f=0.9$ ,  $Q_p=0.0$ ,  $Q_g=8.1$   
 $Q_1=46$   $Q_2=14$   $Q_3=1$   $Q_4=3$   $Q_5=16$   $Q_6=33$   $Q_7=28$   $Q_8=3$   
 $Q_9=0$   $Q_{10}=0$   $Q_{11}=0$   $Q_{12}=0$   $Q_{13}=0$   $Q_{14}=1$   $Q_{15}=40$



### Photometric Parameters

Luminous Flux: 6280.82 lm  
 EEI: 0.47

Efficiency: 29.04 lm/W  
 Energy Efficiency Class: B (EU 874-2012)

Radiant Power: 15.175 W

### Electric Parameters

Voltage: 12.79V  
 Power Factor: 1.0000

Current: 16.9100A  
 Frequency: 0.00Hz

Power: 216.30W

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 20 Sec  
 Max of Signal: 45033 (3291)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4π  
 CCD Integration Time: 69.32 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	0.0004	0.0666	525	0.0899	13.4622	670	0.2165	32.4321
385	0.0019	0.2856	530	0.1533	22.9685	675	0.1870	28.0143
390	0.0033	0.4990	535	0.2531	37.9190	680	0.1652	24.7498
395	0.0012	0.1790	540	0.3850	57.6798	685	0.1468	21.9866
400	0.0006	0.0829	545	0.5287	79.2107	690	0.1290	19.3299
405	0.0010	0.1554	550	0.6523	97.7232	695	0.1135	17.0109
410	0.0013	0.1969	555	0.7646	114.5512	700	0.0987	14.7835
415	0.0012	0.1767	560	0.8437	126.4004	705	0.0858	12.8469
420	0.0018	0.2638	565	0.9060	135.7309	710	0.0746	11.1718
425	0.0016	0.2406	570	0.9485	142.0937	715	0.0653	9.7807
430	0.0028	0.4251	575	0.9795	146.7423	720	0.0563	8.4324
435	0.0026	0.3847	580	0.9940	148.9148	725	0.0498	7.4627
440	0.0020	0.2969	585	1.0000	149.8159	730	0.0425	6.3660
445	0.0018	0.2742	590	0.9847	147.5199	735	0.0365	5.4640
450	0.0009	0.1354	595	0.9643	144.4687	740	0.0323	4.8416
455	0.0010	0.1524	600	0.9245	138.4980	745	0.0275	4.1167
460	0.0008	0.1194	605	0.8770	131.3890	750	0.0234	3.5031
465	0.0009	0.1295	610	0.8219	123.1284	755	0.0210	3.1487
470	0.0013	0.1970	615	0.7646	114.5427	760	0.0196	2.9388
475	0.0011	0.1640	620	0.7054	105.6788	765	0.0150	2.2482
480	0.0011	0.1688	625	0.6479	97.0620	770	0.0125	1.8753
485	0.0014	0.2122	630	0.5866	87.8820	775	0.0134	2.0102
490	0.0027	0.3972	635	0.5268	78.9159	780	0.0107	1.6002
495	0.0042	0.6278	640	0.4721	70.7244	785	0.0086	1.2901
500	0.0081	1.2097	645	0.4213	63.1104	790	0.0082	1.2310
505	0.0146	2.1874	650	0.3735	55.9581	795	0.0071	1.0627
510	0.0225	3.3681	655	0.3295	49.3587	800	0.0064	0.9635
515	0.0350	5.2396	660	0.2900	43.4514			
520	0.0538	8.0649	665	0.2519	37.7312			

Condition: Tx:31.4'C, Ti:30.6'C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2022-05-25 16:12:56  
 Inspector: