

## Lightsource Test Report (1/2)

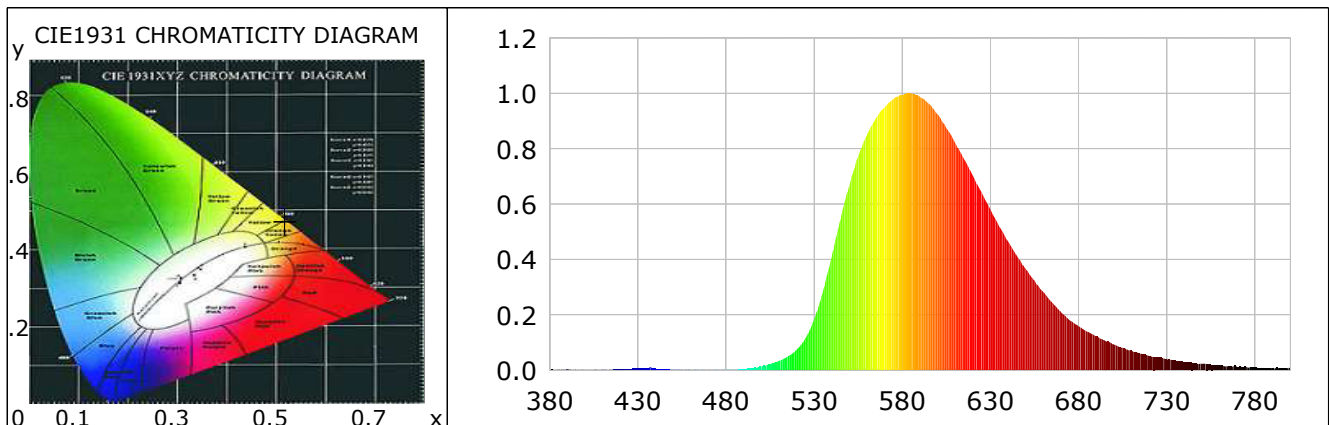
### Product Infomation

Product Type: 48-20"-COMBO-A

Product Number: 48-20"-COMBO-A

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5179$   $y=0.4762$   $u(u')=0.2698$   $v=0.3721$   $v'=0.5581$   
 CCT:  $T_c=2472K$  ( $duv=0.01812$ ) Color Ratio:  $R=0.207$   $G=0.793$   $B=0.000$   
 Peak Wavelength: 584.9nm Half Bandwidth: 93.7nm  
 Dominant Wavelength: 581.3nm Color Purity: 0.985  
 CRI:  $R_a=42.8$  TM30:  $R_f=22$ ,  $R_g=28$   
 $R_1=35$   $R_2=60$   $R_3=75$   $R_4=26$   $R_5=28$   $R_6=37$   $R_7=69$   $R_8=12$   
 $R_9=-108$   $R_{10}=10$   $R_{11}=-4$   $R_{12}=-17$   $R_{13}=37$   $R_{14}=86$   $R_{15}=29$   
 Color Quality Scale:  $Q_a=1.0$ ,  $Q_f=2.0$ ,  $Q_p=0.1$ ,  $Q_g=12.8$   
 $Q_1=50$   $Q_2=22$   $Q_3=4$   $Q_4=7$   $Q_5=22$   $Q_6=37$   $Q_7=29$   $Q_8=5$   
 $Q_9=0$   $Q_{10}=0$   $Q_{11}=0$   $Q_{12}=0$   $Q_{13}=0$   $Q_{14}=3$   $Q_{15}=41$



### Photometric Parameters

Luminous Flux: 3199.28 lm Efficiency: 43.06 lm/W Radiant Power: 7.653 W  
 EEI: 0.32 Energy Efficiency Class: B (EU 874-2012)

### Electric Parameters

Voltage: 12.79V Current: 5.8100A Power: 74.30W  
 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: 45129 (3235) CCD Integration Time: 138.29 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	0.0010	0.0758	525	0.1149	8.6368	670	0.2095	15.7447
385	0.0016	0.1181	530	0.1846	13.8760	675	0.1802	13.5412
390	0.0050	0.3728	535	0.2848	21.4090	680	0.1587	11.9268
395	0.0013	0.0968	540	0.4149	31.1832	685	0.1398	10.5080
400	0.0004	0.0327	545	0.5511	41.4224	690	0.1217	9.1479
405	0.0013	0.0964	550	0.6666	50.1058	695	0.1070	8.0428
410	0.0014	0.1083	555	0.7741	58.1838	700	0.0932	7.0053
415	0.0021	0.1569	560	0.8511	63.9733	705	0.0806	6.0548
420	0.0035	0.2641	565	0.9112	68.4903	710	0.0703	5.2876
425	0.0037	0.2814	570	0.9514	71.5076	715	0.0607	4.5597
430	0.0061	0.4620	575	0.9805	73.7001	720	0.0518	3.8969
435	0.0060	0.4537	580	0.9933	74.6602	725	0.0457	3.4378
440	0.0051	0.3827	585	1.0000	75.1639	730	0.0398	2.9896
445	0.0038	0.2889	590	0.9871	74.1954	735	0.0345	2.5926
450	0.0012	0.0929	595	0.9629	72.3722	740	0.0295	2.2148
455	0.0015	0.1150	600	0.9246	69.4949	745	0.0256	1.9213
460	0.0018	0.1326	605	0.8742	65.7083	750	0.0221	1.6607
465	0.0010	0.0776	610	0.8210	61.7072	755	0.0199	1.4961
470	0.0022	0.1650	615	0.7621	57.2861	760	0.0178	1.3382
475	0.0016	0.1185	620	0.7027	52.8210	765	0.0127	0.9532
480	0.0017	0.1313	625	0.6423	48.2765	770	0.0104	0.7838
485	0.0018	0.1326	630	0.5800	43.5954	775	0.0127	0.9572
490	0.0046	0.3476	635	0.5199	39.0795	780	0.0090	0.6794
495	0.0075	0.5602	640	0.4654	34.9838	785	0.0073	0.5457
500	0.0132	0.9928	645	0.4122	30.9826	790	0.0069	0.5181
505	0.0227	1.7033	650	0.3643	27.3855	795	0.0065	0.4910
510	0.0337	2.5304	655	0.3215	24.1643	800	0.0059	0.4447
515	0.0497	3.7371	660	0.2828	21.2536			
520	0.0742	5.5767	665	0.2443	18.3588			

Condition: Tx:30.3°C, Ti:30.8°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2022-05-20 14:56:06  
 Inspector: