

## Lightsource Test Report (1/2)

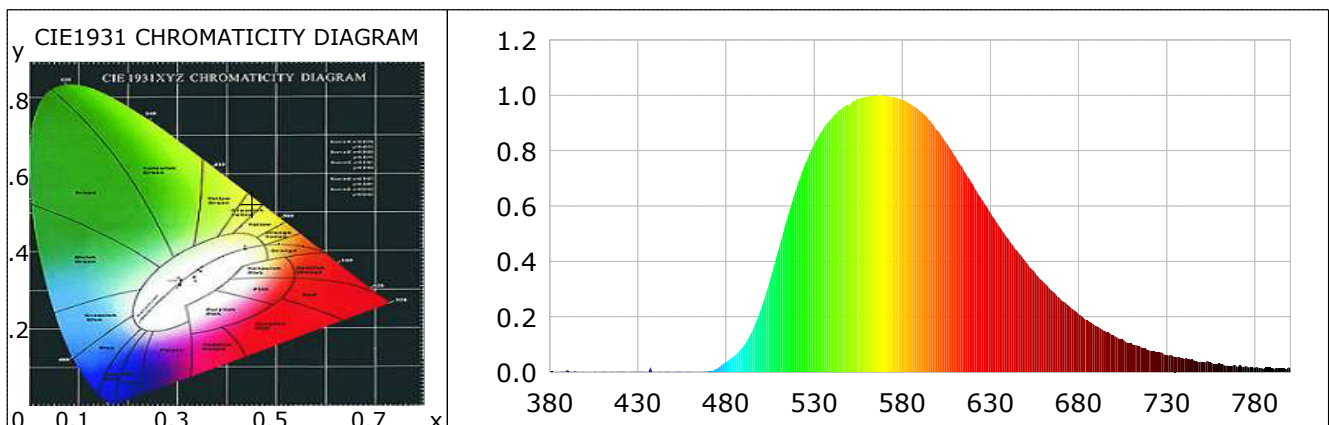
### Product Infomation

Product Type: 3045-20W-CO-Y

Product Number: 3

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4515$   $y=0.5266$   $u(u')=0.2146$   $v=0.3754$   $v'=0.5631$   
 CCT:  $T_c=3562K$  ( $duv=0.04047$ ) Color Ratio:  $R=0.149$   $G=0.844$   $B=0.006$   
 Peak Wavelength: 567.7nm Half Bandwidth: 125.6nm  
 Dominant Wavelength: 572.2nm Color Purity: 0.937  
 CRI:  $R_a=43.4$  TM30:  $R_f=25$ ,  $R_g=31$   
 $R_1=52$   $R_2=55$   $R_3=48$   $R_4=19$   $R_5=48$   $R_6=49$   $R_7=46$   $R_8=31$   
 $R_9=-73$   $R_{10}=7$   $R_{11}=-2$   $R_{12}=19$   $R_{13}=51$   $R_{14}=74$   $R_{15}=38$   
 Color Quality Scale:  $Q_a=6.7$ ,  $Q_f=9.8$ ,  $Q_p=1.0$ ,  $Q_g=22.0$   
 $Q_1=33$   $Q_2=14$   $Q_3=26$   $Q_4=57$   $Q_5=69$   $Q_6=44$   $Q_7=6$   $Q_8=0$   
 $Q_9=0$   $Q_{10}=0$   $Q_{11}=0$   $Q_{12}=2$   $Q_{13}=20$   $Q_{14}=34$   $Q_{15}=60$



### Photometric Parameters

Luminous Flux: 1820.36 lm  
EEI: 0.13

Efficiency: 107.82 lm/W  
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 4.266 W

### Electric Parameters

Voltage: 12.79V  
Power Factor: 0.0000

Current: 1.3200A  
Frequency: 0.00Hz

Power: 16.88W

### Test Infomation

Scan Range: 380~800:1nm  
Stabilization Time: 20 Sec  
Max of Signal: 45430 (3024)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.50m, 4T  
CCD Integration Time: 463.91 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	0.0014	0.0450	525	0.7530	23.9661	670	0.2611	8.3110
385	0.0009	0.0302	530	0.8229	26.1890	675	0.2363	7.5214
390	0.0086	0.2727	535	0.8765	27.8969	680	0.2081	6.6240
395	0.0022	0.0711	540	0.9172	29.1908	685	0.1874	5.9651
400	0.0005	0.0158	545	0.9489	30.2007	690	0.1669	5.3115
405	0.0020	0.0632	550	0.9630	30.6485	695	0.1488	4.7347
410	0.0021	0.0681	555	0.9853	31.3594	700	0.1309	4.1648
415	0.0017	0.0551	560	0.9957	31.6877	705	0.1173	3.7317
420	0.0022	0.0709	565	0.9976	31.7485	710	0.1036	3.2978
425	0.0008	0.0247	570	0.9972	31.7354	715	0.0923	2.9381
430	0.0024	0.0758	575	0.9947	31.6558	720	0.0791	2.5185
435	0.0006	0.0198	580	0.9836	31.3046	725	0.0710	2.2590
440	0.0004	0.0140	585	0.9659	30.7396	730	0.0633	2.0154
445	0.0012	0.0395	590	0.9433	30.0208	735	0.0566	1.8026
450	0.0010	0.0310	595	0.9115	29.0103	740	0.0485	1.5426
455	0.0015	0.0469	600	0.8722	27.7594	745	0.0441	1.4033
460	0.0015	0.0468	605	0.8277	26.3436	750	0.0363	1.1560
465	0.0006	0.0184	610	0.7790	24.7934	755	0.0355	1.1292
470	0.0039	0.1233	615	0.7268	23.1318	760	0.0319	1.0164
475	0.0135	0.4303	620	0.6779	21.5735	765	0.0213	0.6764
480	0.0366	1.1649	625	0.6253	19.9017	770	0.0174	0.5534
485	0.0596	1.8968	630	0.5753	18.3087	775	0.0221	0.7037
490	0.0964	3.0670	635	0.5263	16.7504	780	0.0157	0.4996
495	0.1514	4.8186	640	0.4822	15.3479	785	0.0125	0.3993
500	0.2326	7.4037	645	0.4384	13.9515	790	0.0147	0.4667
505	0.3333	10.6081	650	0.3982	12.6725	795	0.0133	0.4230
510	0.4481	14.2621	655	0.3627	11.5419	800	0.0111	0.3528
515	0.5625	17.9013	660	0.3265	10.3922			
520	0.6652	21.1706	665	0.2940	9.3556			

Condition: Tx:24.8°C, Ti:23.7°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2023-11-17 15:48:34  
 Inspector: