

## Lightsource Test Report (1/2)

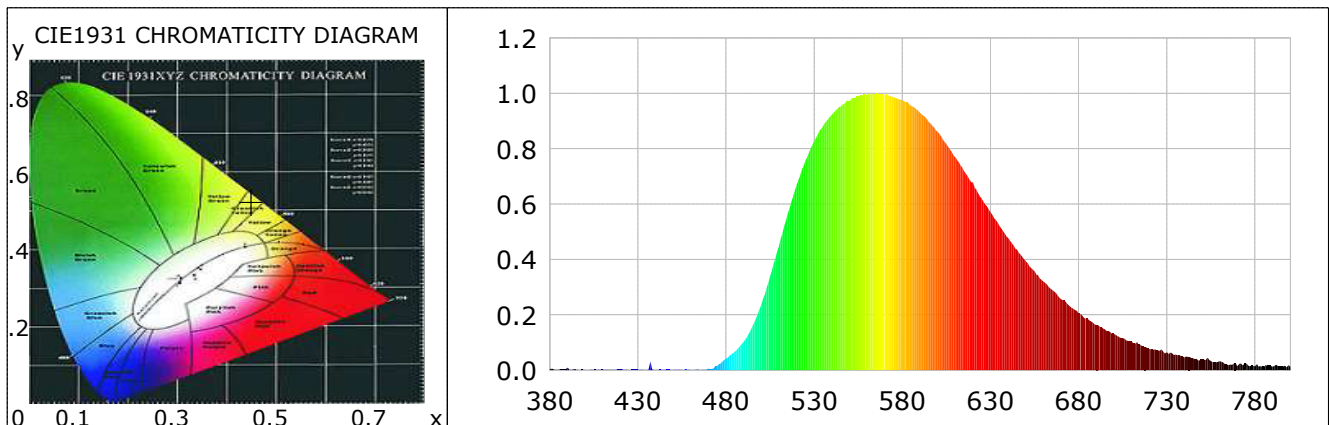
### Product Infomation

Product Type: 3045-20W-D-Y

Product Number: 5

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4496$   $y=0.5272$   $u(u')=0.2134$   $v=0.3753$   $v'=0.5630$   
 CCT:  $T_c=3590K$  ( $duv=0.04098$ ) Color Ratio:  $R=0.148$   $G=0.845$   $B=0.007$   
 Peak Wavelength: 565.7nm Half Bandwidth: 125.4nm  
 Dominant Wavelength: 572.0nm Color Purity: 0.934  
 CRI:  $R_a=44.3$  TM30:  $R_f=27$ ,  $R_g=34$   
 $R_1=52$   $R_2=55$   $R_3=50$   $R_4=20$   $R_5=48$   $R_6=50$   $R_7=48$   $R_8=31$   
 $R_9=-73$   $R_{10}=9$   $R_{11}=-0$   $R_{12}=20$   $R_{13}=51$   $R_{14}=75$   $R_{15}=38$   
 Color Quality Scale:  $Q_a=8.0$ ,  $Q_f=11.2$ ,  $Q_p=1.3$ ,  $Q_g=23.5$   
 $Q_1=35$   $Q_2=17$   $Q_3=29$   $Q_4=59$   $Q_5=69$   $Q_6=44$   $Q_7=7$   $Q_8=1$   
 $Q_9=0$   $Q_{10}=0$   $Q_{11}=0$   $Q_{12}=2$   $Q_{13}=22$   $Q_{14}=35$   $Q_{15}=60$



### Photometric Parameters

Luminous Flux: 1667.37 lm  
 EEI: 0.14

Efficiency: 98.68 lm/W

Radiant Power: 3.904 W

Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 12.80V  
 Power Factor: 0.0000

Current: 1.3200A  
 Frequency: 0.00Hz

Power: 16.90W

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 20 Sec  
 Max of Signal: 44453 (3615)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4T  
 CCD Integration Time: 496.80 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	0.0042	0.1216	525	0.7550	22.0513	670	0.2569	7.5034
385	0.0023	0.0674	530	0.8267	24.1466	675	0.2311	6.7500
390	0.0099	0.2878	535	0.8814	25.7426	680	0.2045	5.9725
395	0.0034	0.1000	540	0.9234	26.9694	685	0.1865	5.4476
400	0.0009	0.0268	545	0.9531	27.8391	690	0.1636	4.7790
405	0.0024	0.0688	550	0.9699	28.3283	695	0.1474	4.3054
410	0.0027	0.0793	555	0.9900	28.9167	700	0.1311	3.8304
415	0.0025	0.0722	560	0.9943	29.0425	705	0.1159	3.3865
420	0.0032	0.0949	565	0.9995	29.1925	710	0.1052	3.0721
425	0.0011	0.0328	570	0.9942	29.0396	715	0.0927	2.7089
430	0.0028	0.0805	575	0.9865	28.8132	720	0.0783	2.2883
435	0.0012	0.0360	580	0.9749	28.4731	725	0.0723	2.1112
440	0.0009	0.0251	585	0.9553	27.9022	730	0.0649	1.8962
445	0.0023	0.0662	590	0.9298	27.1577	735	0.0569	1.6628
450	0.0016	0.0459	595	0.8960	26.1692	740	0.0459	1.3416
455	0.0020	0.0572	600	0.8605	25.1329	745	0.0429	1.2528
460	0.0023	0.0678	605	0.8168	23.8575	750	0.0387	1.1303
465	0.0011	0.0323	610	0.7691	22.4624	755	0.0332	0.9684
470	0.0062	0.1802	615	0.7192	21.0060	760	0.0326	0.9523
475	0.0161	0.4701	620	0.6780	19.8014	765	0.0183	0.5332
480	0.0420	1.2270	625	0.6205	18.1219	770	0.0150	0.4367
485	0.0678	1.9788	630	0.5710	16.6765	775	0.0254	0.7409
490	0.1045	3.0516	635	0.5235	15.2913	780	0.0135	0.3939
495	0.1584	4.6267	640	0.4778	13.9539	785	0.0122	0.3559
500	0.2374	6.9334	645	0.4349	12.7024	790	0.0122	0.3566
505	0.3389	9.8995	650	0.3937	11.4984	795	0.0139	0.4068
510	0.4507	13.1634	655	0.3567	10.4182	800	0.0121	0.3539
515	0.5643	16.4804	660	0.3210	9.3747			
520	0.6698	19.5623	665	0.2900	8.4688			

Condition: Tx:30.1°C, Ti:28.9°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2023-09-08 14:51:52  
 Inspector: