

## Lightsource Test Report (1/2)

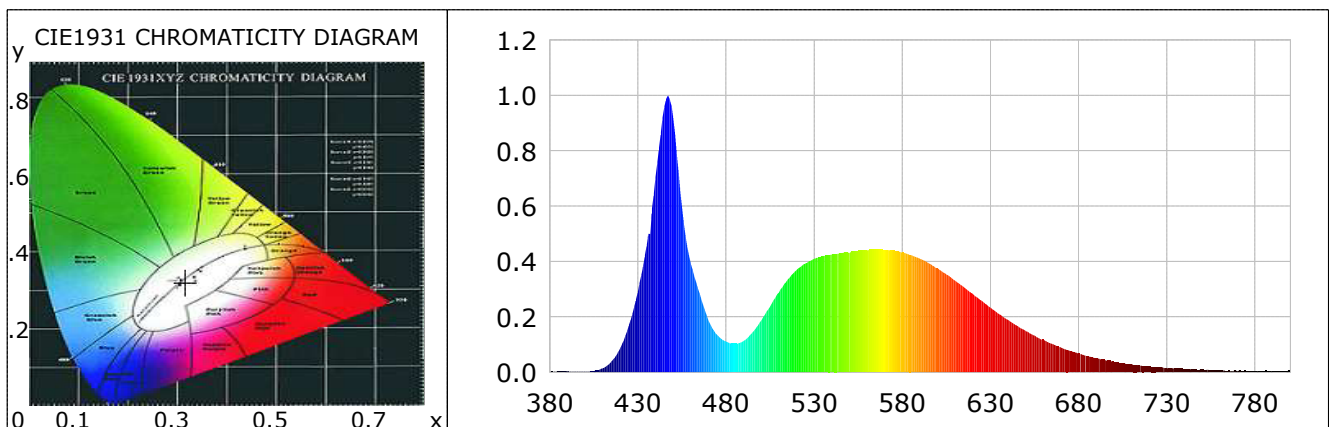
### Product Infomation

Product Type: 2001-60W-FL

Product Number: 2001-60W-FL

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3158$   $y=0.3207$   $u(u')=0.2032$   $v=0.3095$   $v'=0.4643$   
 CCT:  $T_c=6392K$  ( $duv=-0.00272$ ) Color Ratio:  $R=0.131$   $G=0.830$   $B=0.039$   
 Peak Wavelength: 447.0nm Half Bandwidth: 19.8nm  
 Dominant Wavelength: 481.8nm Color Purity: 0.070  
 CRI:  $R_a=75.1$  TM30:  $R_f=70$ ,  $R_g=97$   
 $R_1=75$   $R_2=78$   $R_3=77$   $R_4=78$   $R_5=76$   $R_6=70$   $R_7=81$   $R_8=66$   
 $R_9=-11$   $R_{10}=45$   $R_{11}=77$   $R_{12}=49$   $R_{13}=75$   $R_{14}=87$   $R_{15}=72$   
 Color Quality Scale:  $Q_a=72.2$ ,  $Q_f=70.5$ ,  $Q_p=77.0$ ,  $Q_g=92.7$   
 $Q_1=83$   $Q_2=92$   $Q_3=63$   $Q_4=58$   $Q_5=71$   $Q_6=76$   $Q_7=81$   $Q_8=89$   
 $Q_9=88$   $Q_{10}=71$   $Q_{11}=66$   $Q_{12}=67$   $Q_{13}=71$   $Q_{14}=63$   $Q_{15}=72$



### Photometric Parameters

Luminous Flux: 3425.02 lm  
 EEI: 0.20

Efficiency: 66.62 lm/W

Radiant Power: 10.947 W

Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 12.04V

Current: 4.2700A

Power: 51.41W

Power Factor: 1.0000

Frequency: 0.00Hz

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 20 Sec  
 Max of Signal: 44637 (3544)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4T  
 CCD Integration Time: 83.83 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	0.0016	0.2039	525	0.3927	49.5696	670	0.0893	11.2759
385	0.0035	0.4363	530	0.4093	51.6649	675	0.0768	9.6995
390	0.0054	0.6777	535	0.4192	52.9221	680	0.0663	8.3735
395	0.0022	0.2750	540	0.4259	53.7618	685	0.0585	7.3836
400	0.0015	0.1910	545	0.4300	54.2818	690	0.0503	6.3550
405	0.0043	0.5444	550	0.4308	54.3798	695	0.0443	5.5893
410	0.0144	1.8208	555	0.4387	55.3809	700	0.0376	4.7412
415	0.0385	4.8552	560	0.4403	55.5855	705	0.0330	4.1655
420	0.0873	11.0174	565	0.4429	55.9146	710	0.0291	3.6793
425	0.1718	21.6889	570	0.4415	55.7313	715	0.0245	3.0984
430	0.2905	36.6725	575	0.4391	55.4337	720	0.0204	2.5791
435	0.4616	58.2732	580	0.4319	54.5176	725	0.0182	2.2968
440	0.7043	88.9171	585	0.4233	53.4347	730	0.0156	1.9699
445	0.9612	121.3427	590	0.4094	51.6886	735	0.0134	1.6909
450	0.9194	116.0708	595	0.3939	49.7260	740	0.0111	1.4020
455	0.5924	74.7915	600	0.3746	47.2882	745	0.0103	1.3017
460	0.3921	49.4971	605	0.3533	44.5996	750	0.0088	1.1074
465	0.2838	35.8251	610	0.3303	41.6957	755	0.0072	0.9115
470	0.1877	23.6946	615	0.3064	38.6820	760	0.0075	0.9484
475	0.1345	16.9837	620	0.2823	35.6349	765	0.0047	0.5967
480	0.1111	14.0311	625	0.2580	32.5669	770	0.0039	0.4928
485	0.1024	12.9224	630	0.2331	29.4233	775	0.0057	0.7160
490	0.1134	14.3188	635	0.2098	26.4886	780	0.0041	0.5139
495	0.1441	18.1900	640	0.1886	23.8045	785	0.0041	0.5185
500	0.1882	23.7569	645	0.1682	21.2341	790	0.0034	0.4339
505	0.2381	30.0643	650	0.1480	18.6829	795	0.0043	0.5366
510	0.2896	36.5615	655	0.1319	16.6468	800	0.0048	0.6121
515	0.3342	42.1959	660	0.1178	14.8747			
520	0.3693	46.6199	665	0.1025	12.9406			

Condition: Tx:33.6°C, Ti:32.4°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2022-05-31 13:47:44  
 Inspector: