

## Lightsource Test Report (1/2)

### Product Information

Product Type: 46#6

Product Number: 3

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3147$   $y=0.3252$   $u(u')=0.2006$   $v=0.3111$   $v'=0.4666$

CCT:  $T_c=6426K$  ( $duv=0.00026$ )

Color Ratio:  $R=0.125$   $G=0.837$   $B=0.038$

Peak Wavelength: 448.7nm

Half Bandwidth: 24.7nm

Dominant Wavelength: 495.6nm

Color Purity: 0.069

CRI:  $R_a=72.3$

TM30:  $R_f=68$ ,  $R_g=95$

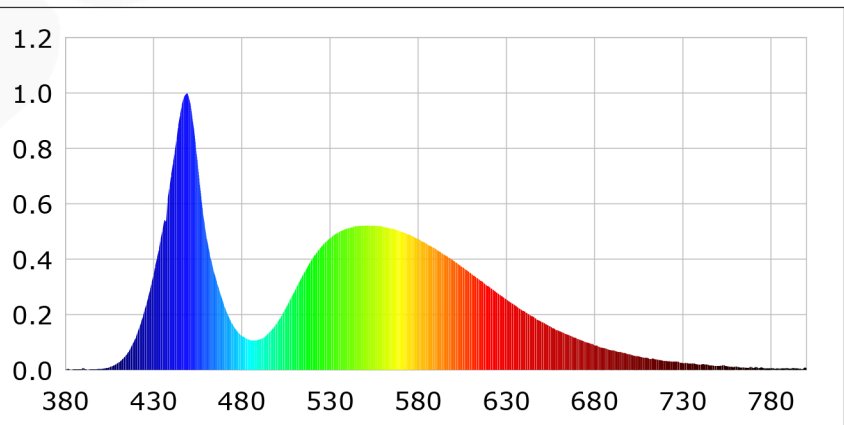
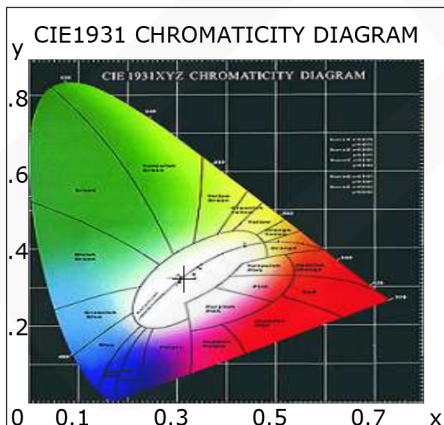
$R1=72$   $R2=75$   $R3=74$   $R4=74$   $R5=72$   $R6=66$   $R7=81$   $R8=65$

$R9=-16$   $R10=38$   $R11=71$   $R12=42$   $R13=71$   $R14=85$   $R15=69$

Color Quality Scale:  $Q_a=70.3$ ,  $Q_f=68.7$ ,  $Q_p=74.9$ ,  $Q_g=91.0$

$Q1=83$   $Q2=92$   $Q3=61$   $Q4=54$   $Q5=67$   $Q6=72$   $Q7=77$   $Q8=87$

$Q9=87$   $Q10=70$   $Q11=64$   $Q12=66$   $Q13=71$   $Q14=62$   $Q15=71$



### Photometric Parameters

Luminous Flux: 1727.35 lm

Efficiency: 72.95 lm/W

Radiant Power: 5.527 W

EEI: 0.19

Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 12.06V

Current: 1.8800A

Power: 23.68W

Power Factor: 1.0000

Frequency: 0.00Hz

### Test Information

Scan Range: 380~800:1nm

Stabilization Time: 20 Sec

Max of Signal: 44298 (3411)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 180.76 ms

Condition:  $T_x=31.2^\circ C$ ,  $T_i=28.8^\circ C$ , R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2020-04-28 17:22:43

Inspector:

## Lightsource Test Report (2/2)

WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0013	0.0724	525	0.4451	25.2288	670	0.1134	6.4271
385	0.0031	0.1744	530	0.4771	27.0448	675	0.1015	5.7541
390	0.0084	0.4779	535	0.4973	28.1928	680	0.0888	5.0339
395	0.0028	0.1597	540	0.5117	29.0049	685	0.0809	4.5872
400	0.0042	0.2383	545	0.5192	29.4328	690	0.0711	4.0289
405	0.0107	0.6056	550	0.5210	29.5349	695	0.0649	3.6786
410	0.0271	1.5334	555	0.5208	29.5215	700	0.0571	3.2389
415	0.0588	3.3327	560	0.5175	29.3368	705	0.0500	2.8353
420	0.1201	6.8070	565	0.5106	28.9451	710	0.0444	2.5196
425	0.2179	12.3498	570	0.4998	28.3299	715	0.0400	2.2700
430	0.3449	19.5504	575	0.4894	27.7432	720	0.0334	1.8926
435	0.5074	28.7627	580	0.4728	26.8042	725	0.0313	1.7732
440	0.7071	40.0841	585	0.4552	25.8062	730	0.0263	1.4909
445	0.9242	52.3922	590	0.4361	24.7232	735	0.0241	1.3644
450	0.9843	55.7983	595	0.4156	23.5605	740	0.0194	1.0998
455	0.7392	41.9010	600	0.3946	22.3709	745	0.0184	1.0418
460	0.4785	27.1270	605	0.3723	21.1048	750	0.0148	0.8397
465	0.3369	19.1003	610	0.3490	19.7853	755	0.0143	0.8080
470	0.2325	13.1802	615	0.3240	18.3673	760	0.0142	0.8033
475	0.1624	9.2047	620	0.3018	17.1061	765	0.0086	0.4889
480	0.1233	6.9909	625	0.2781	15.7633	770	0.0064	0.3624
485	0.1084	6.1472	630	0.2554	14.4784	775	0.0102	0.5767
490	0.1112	6.3060	635	0.2336	13.2437	780	0.0062	0.3541
495	0.1324	7.5068	640	0.2130	12.0753	785	0.0057	0.3250
500	0.1711	9.6985	645	0.1931	10.9475	790	0.0059	0.3364
505	0.2249	12.7484	650	0.1736	9.8416	795	0.0069	0.3939
510	0.2863	16.2316	655	0.1579	8.9513	800	0.0065	0.3660
515	0.3476	19.7023	660	0.1411	7.9973			
520	0.4020	22.7875	665	0.1283	7.2720			

Condition: Tx:31.2°C, Ti:28.8°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2020-04-28 17:22:43  
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