

Lightsource Test Report (1/2)

Product Information

Product Type: 46#20*

Product Number: 15

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3125$ $y=0.3247$ $u(u')=0.1993$ $v=0.3106$ $v'=0.4660$

CCT: $T_c=6552K$ ($duv=0.00108$)

Color Ratio: $R=0.125$ $G=0.833$ $B=0.043$

Peak Wavelength: 450.7nm

Half Bandwidth: 23.8nm

Dominant Wavelength: 486.2nm

Color Purity: 0.077

CRI: $R_a=74.4$

TM30: $R_f=70$, $R_g=93$

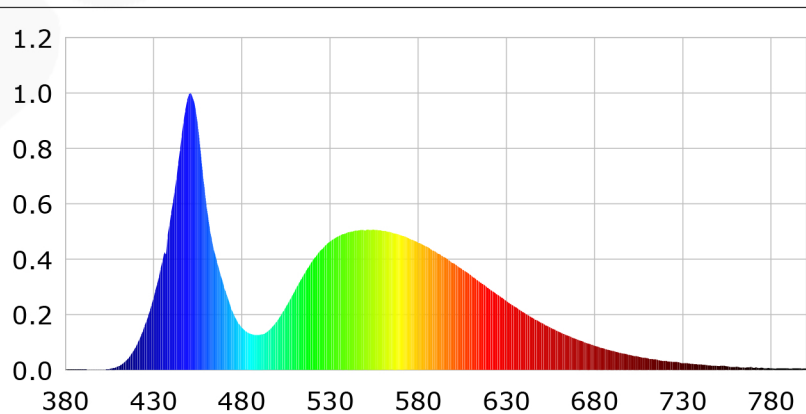
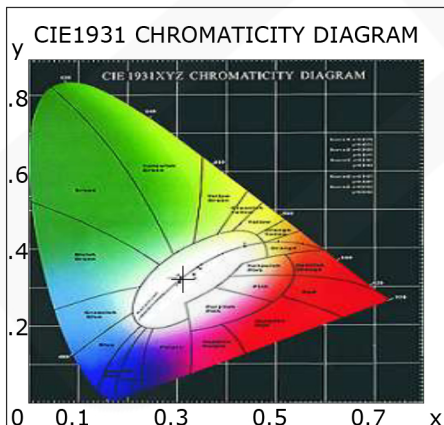
$R_1=73$ $R_2=78$ $R_3=78$ $R_4=75$ $R_5=73$ $R_6=69$ $R_7=84$ $R_8=66$

$R_9=-13$ $R_{10}=44$ $R_{11}=71$ $R_{12}=43$ $R_{13}=74$ $R_{14}=87$ $R_{15}=71$

Color Quality Scale: $Q_a=71.7$, $Q_f=70.5$, $Q_p=74.9$, $Q_g=90.2$

$Q_1=84$ $Q_2=94$ $Q_3=64$ $Q_4=55$ $Q_5=67$ $Q_6=72$ $Q_7=78$ $Q_8=87$

$Q_9=89$ $Q_{10}=73$ $Q_{11}=66$ $Q_{12}=69$ $Q_{13}=72$ $Q_{14}=64$ $Q_{15}=72$



Photometric Parameters

Luminous Flux: 6898.87 lm

Efficiency: 67.64 lm/W

Radiant Power: 22.098 W

EEI: 0.20

Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.00V

Current: 8.5000A

Power: 102.00W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 20 Sec

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 52041 (4013)

CCD Integration Time: 50.00 ms

Condition: $T_x=37.9^\circ C$, $T_i=35.9^\circ C$, R.H.:60%

Test Device: Inventfine CMS-2S (Plus)

Test Lab:

Test Time: 2020-07-25 14:54:14

Operator:

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	0.0022	0.5026	525	0.4342	100.2688	670	0.1114	25.7248
385	0.0034	0.7766	530	0.4637	107.0769	675	0.0991	22.8745
390	0.0046	1.0630	535	0.4836	111.6698	680	0.0883	20.3858
395	0.0018	0.4254	540	0.4972	114.8128	685	0.0794	18.3384
400	0.0018	0.4162	545	0.5037	116.3169	690	0.0702	16.2220
405	0.0045	1.0459	550	0.5034	116.2527	695	0.0623	14.3817
410	0.0139	3.2145	555	0.5074	117.1637	700	0.0551	12.7320
415	0.0381	8.8056	560	0.5027	116.0942	705	0.0493	11.3878
420	0.0846	19.5352	565	0.4968	114.7293	710	0.0430	9.9202
425	0.1615	37.2973	570	0.4875	112.5810	715	0.0382	8.8116
430	0.2602	60.0844	575	0.4750	109.6791	720	0.0328	7.5731
435	0.3949	91.1907	580	0.4601	106.2441	725	0.0293	6.7775
440	0.5694	131.4873	585	0.4460	102.9933	730	0.0254	5.8556
445	0.8008	184.9239	590	0.4262	98.4212	735	0.0223	5.1491
450	0.9963	230.0704	595	0.4073	94.0575	740	0.0199	4.5921
455	0.8816	203.5827	600	0.3853	88.9794	745	0.0166	3.8302
460	0.5902	136.2895	605	0.3641	84.0768	750	0.0146	3.3723
465	0.4136	95.5162	610	0.3413	78.8230	755	0.0132	3.0395
470	0.2977	68.7409	615	0.3176	73.3322	760	0.0125	2.8781
475	0.2070	47.8027	620	0.2941	67.9067	765	0.0086	1.9845
480	0.1537	35.4887	625	0.2725	62.9253	770	0.0075	1.7422
485	0.1313	30.3202	630	0.2494	57.5989	775	0.0102	2.3645
490	0.1273	29.3907	635	0.2278	52.6034	780	0.0069	1.5990
495	0.1415	32.6735	640	0.2073	47.8669	785	0.0063	1.4511
500	0.1777	41.0306	645	0.1882	43.4654	790	0.0063	1.4436
505	0.2278	52.5953	650	0.1700	39.2559	795	0.0058	1.3368
510	0.2858	65.9910	655	0.1538	35.5054	800	0.0052	1.2054
515	0.3430	79.2130	660	0.1378	31.8313			
520	0.3951	91.2382	665	0.1238	28.5887			

Condition: Tx:37.9°C, Ti:35.9°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2020-07-25 14:54:14
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