

Lightsource Test Report (1/2)

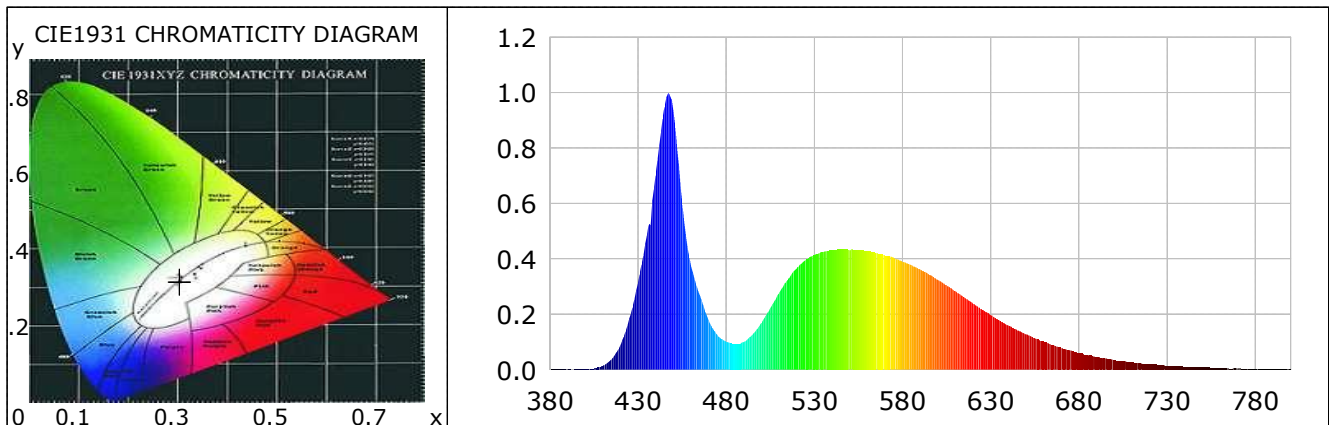
Product Infomation

Product Type: 54-10-D-WA-WHITE

Product Number: 54-10-D-WA-WHITE

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3043$ $y=0.3164$ $u(u')=0.1967$ $v=0.3068$ $v'=0.4602$
 CCT: $T_c=7134K$ ($duv=0.00100$) Color Ratio: $R=0.118$ $G=0.842$ $B=0.040$
 Peak Wavelength: 447.1nm Half Bandwidth: 21.4nm
 Dominant Wavelength: 483.8nm Color Purity: 0.112
 CRI: $R_a=72.1$ TM30: $R_f=68$, $R_g=95$
 $R_1=72$ $R_2=74$ $R_3=73$ $R_4=74$ $R_5=73$ $R_6=66$ $R_7=80$ $R_8=64$
 $R_9=-21$ $R_{10}=36$ $R_{11}=73$ $R_{12}=43$ $R_{13}=71$ $R_{14}=85$ $R_{15}=68$
 Color Quality Scale: $Q_a=71.0$, $Q_f=69.1$, $Q_p=75.9$, $Q_g=90.7$
 $Q_1=83$ $Q_2=91$ $Q_3=62$ $Q_4=56$ $Q_5=69$ $Q_6=74$ $Q_7=79$ $Q_8=88$
 $Q_9=87$ $Q_{10}=70$ $Q_{11}=64$ $Q_{12}=67$ $Q_{13}=71$ $Q_{14}=61$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 2344.24 lm
 EEI: 0.22

Efficiency: 61.21 lm/W
 Energy Efficiency Class: A (EU 874-2012)

Radiant Power: 7.533 W

Electric Parameters

Voltage: 12.81V
 Power Factor: 1.0000

Current: 2.9900A
 Frequency: 0.00Hz

Power: 38.30W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 45148 (3031)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4 π
 CCD Integration Time: 116.95 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	0.0010	0.0956	525	0.3966	36.1723	670	0.0795	7.2513
385	0.0022	0.2050	530	0.4150	37.8457	675	0.0698	6.3678
390	0.0044	0.3986	535	0.4252	38.7797	680	0.0608	5.5428
395	0.0019	0.1765	540	0.4318	39.3803	685	0.0535	4.8817
400	0.0019	0.1699	545	0.4345	39.6201	690	0.0460	4.1906
405	0.0054	0.4948	550	0.4305	39.2571	695	0.0412	3.7585
410	0.0152	1.3898	555	0.4318	39.3782	700	0.0357	3.2545
415	0.0388	3.5358	560	0.4280	39.0288	705	0.0312	2.8453
420	0.0900	8.2093	565	0.4226	38.5406	710	0.0277	2.5275
425	0.1840	16.7764	570	0.4129	37.6589	715	0.0241	2.1946
430	0.3162	28.8368	575	0.4036	36.8109	720	0.0196	1.7901
435	0.4909	44.7689	580	0.3903	35.5920	725	0.0184	1.6825
440	0.7119	64.9267	585	0.3776	34.4386	730	0.0158	1.4394
445	0.9556	87.1491	590	0.3611	32.9341	735	0.0133	1.2125
450	0.9322	85.0109	595	0.3442	31.3934	740	0.0109	0.9952
455	0.5956	54.3196	600	0.3243	29.5729	745	0.0106	0.9628
460	0.3742	34.1253	605	0.3042	27.7450	750	0.0082	0.7498
465	0.2675	24.3962	610	0.2834	25.8454	755	0.0080	0.7329
470	0.1774	16.1798	615	0.2611	23.8110	760	0.0074	0.6782
475	0.1234	11.2581	620	0.2392	21.8123	765	0.0040	0.3683
480	0.1018	9.2869	625	0.2184	19.9163	770	0.0037	0.3380
485	0.0926	8.4483	630	0.1973	17.9944	775	0.0057	0.5241
490	0.1017	9.2751	635	0.1773	16.1693	780	0.0036	0.3317
495	0.1284	11.7105	640	0.1598	14.5726	785	0.0029	0.2626
500	0.1713	15.6233	645	0.1432	13.0553	790	0.0037	0.3358
505	0.2242	20.4452	650	0.1280	11.6772	795	0.0035	0.3183
510	0.2785	25.3962	655	0.1143	10.4191	800	0.0042	0.3795
515	0.3279	29.9072	660	0.1022	9.3192			
520	0.3683	33.5834	665	0.0905	8.2572			

Condition: Tx:28.1'C, Ti:27.1'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-03-12 10:39:14
 Inspector: