

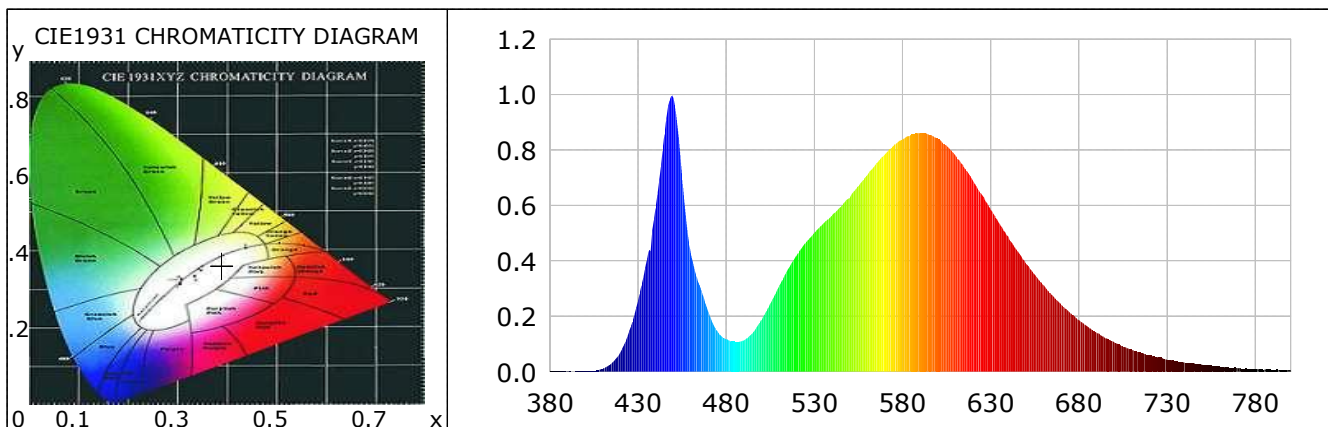
Lightsource Test Report (1/2)

Product Infomation

Product Type: 54-20-D-WA-WHITE&AMBER Product Number: 54-20-D-WA-WHITE&AMBER

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3900$ $y=0.3634$ $u(u')=0.2370$ $v=0.3313$ $v'=0.4970$
 CCT: $T_c=3632K$ ($duv=-0.00897$) Color Ratio: $R=0.189$ $G=0.786$ $B=0.024$
 Peak Wavelength: 449.1nm Half Bandwidth: 20.2nm
 Dominant Wavelength: 585.9nm Color Purity: 0.261
 CRI: $R_a=74.1$ TM30: $R_f=69$, $R_g=97$
 $R_1=72$ $R_2=82$ $R_3=89$ $R_4=71$ $R_5=72$ $R_6=74$ $R_7=79$ $R_8=53$
 $R_9=-17$ $R_{10}=57$ $R_{11}=66$ $R_{12}=51$ $R_{13}=74$ $R_{14}=93$ $R_{15}=68$
 Color Quality Scale: $Q_a=71.0$, $Q_f=69.3$, $Q_p=75.7$, $Q_g=94.3$
 $Q_1=75$ $Q_2=95$ $Q_3=62$ $Q_4=59$ $Q_5=69$ $Q_6=71$ $Q_7=73$ $Q_8=81$
 $Q_9=93$ $Q_{10}=76$ $Q_{11}=69$ $Q_{12}=68$ $Q_{13}=71$ $Q_{14}=63$ $Q_{15}=67$



Photometric Parameters

Luminous Flux: 5177.80 lm Efficiency: 54.29 lm/W Radiant Power: 15.671 W
 EEI: 0.25 Energy Efficiency Class: B (EU 874-2012)

Electric Parameters

Voltage: 12.82V Current: 7.4400A Power: 95.38W
 Power Factor: 1.0000 Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 20 Sec Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 45052 (3030) CCD Integration Time: 90.44 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	0.0013	0.1523	525	0.4663	53.5785	670	0.2428	27.8954
385	0.0019	0.2208	530	0.5023	57.7216	675	0.2117	24.3270
390	0.0036	0.4157	535	0.5344	61.4096	680	0.1859	21.3596
395	0.0017	0.1927	540	0.5659	65.0259	685	0.1628	18.7102
400	0.0017	0.1904	545	0.5975	68.6627	690	0.1409	16.1935
405	0.0040	0.4621	550	0.6282	72.1845	695	0.1221	14.0270
410	0.0124	1.4263	555	0.6724	77.2633	700	0.1063	12.2121
415	0.0308	3.5438	560	0.7107	81.6660	705	0.0922	10.5931
420	0.0717	8.2337	565	0.7520	86.4121	710	0.0798	9.1658
425	0.1476	16.9576	570	0.7853	90.2390	715	0.0686	7.8880
430	0.2572	29.5562	575	0.8189	94.0971	720	0.0591	6.7924
435	0.4080	46.8876	580	0.8389	96.3992	725	0.0520	5.9726
440	0.5997	68.9057	585	0.8567	98.4472	730	0.0438	5.0334
445	0.8672	99.6493	590	0.8611	98.9511	735	0.0391	4.4943
450	0.9877	113.4994	595	0.8565	98.4147	740	0.0328	3.7702
455	0.6926	79.5901	600	0.8412	96.6567	745	0.0303	3.4789
460	0.4209	48.3688	605	0.8156	93.7170	750	0.0248	2.8482
465	0.3075	35.3376	610	0.7801	89.6425	755	0.0222	2.5456
470	0.2108	24.2179	615	0.7357	84.5394	760	0.0194	2.2283
475	0.1450	16.6597	620	0.6872	78.9589	765	0.0154	1.7721
480	0.1173	13.4745	625	0.6384	73.3535	770	0.0125	1.4324
485	0.1077	12.3797	630	0.5841	67.1169	775	0.0126	1.4492
490	0.1136	13.0570	635	0.5334	61.2862	780	0.0103	1.1783
495	0.1420	16.3223	640	0.4845	55.6785	785	0.0080	0.9230
500	0.1888	21.6924	645	0.4364	50.1500	790	0.0074	0.8470
505	0.2466	28.3391	650	0.3904	44.8552	795	0.0060	0.6901
510	0.3102	35.6496	655	0.3485	40.0424	800	0.0053	0.6111
515	0.3701	42.5295	660	0.3114	35.7775			
520	0.4223	48.5242	665	0.2742	31.5071			

Condition: Tx:28.4'C, Ti:27.5'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-03-12 11:05:30
 Inspector: