

Lightsource Test Report (1/2)

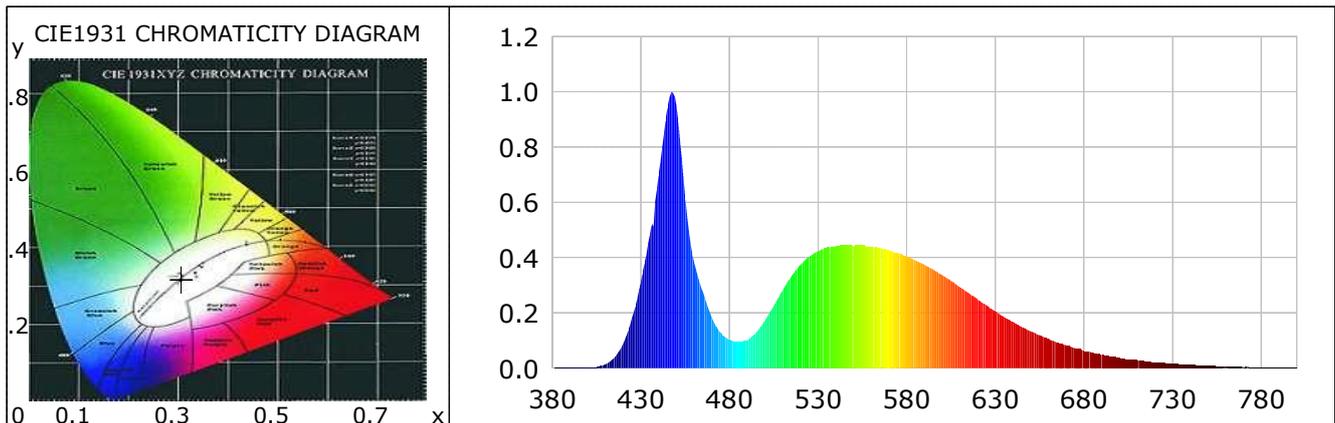
Product Infomation

Product Type: 54-20-D-WA-WHITE

Product Number: 54-20-D-WA-WHITE

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3067$ $y=0.3192$ $u(u')=0.1973$ $v=0.3080$ $v'=0.4621$
 CCT: $T_c=6950K$ ($duv=0.00121$) Color Ratio: $R=0.119$ $G=0.841$ $B=0.039$
 Peak Wavelength: 447.4nm Half Bandwidth: 21.5nm
 Dominant Wavelength: 484.6nm Color Purity: 0.101
 CRI: $R_a=72.2$ TM30: $R_f=68$, $R_g=95$
 $R_1=72$ $R_2=74$ $R_3=74$ $R_4=74$ $R_5=73$ $R_6=66$ $R_7=80$ $R_8=64$
 $R_9=-22$ $R_{10}=37$ $R_{11}=73$ $R_{12}=43$ $R_{13}=71$ $R_{14}=85$ $R_{15}=68$
 Color Quality Scale: $Q_a=71.0$, $Q_f=69.3$, $Q_p=75.7$, $Q_g=90.7$
 $Q_1=83$ $Q_2=92$ $Q_3=62$ $Q_4=57$ $Q_5=69$ $Q_6=74$ $Q_7=79$ $Q_8=88$
 $Q_9=87$ $Q_{10}=70$ $Q_{11}=65$ $Q_{12}=67$ $Q_{13}=71$ $Q_{14}=61$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 5678.41 lm
 EEI: 0.25

Efficiency: 54.61 lm/W
 Energy Efficiency Class: B (EU 874-2012)

Radiant Power: 18.145 W

Electric Parameters

Voltage: 12.79V
 Power Factor: 1.0000

Current: 8.1300A
 Frequency: 0.00Hz

Power: 103.98W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 45368 (2974)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4 π
 CCD Integration Time: 49.49 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	0.0011	0.2420	525	0.4046	86.9137	670	0.0830	17.8379
385	0.0021	0.4527	530	0.4241	91.1136	675	0.0727	15.6087
390	0.0029	0.6183	535	0.4359	93.6531	680	0.0631	13.5464
395	0.0015	0.3263	540	0.4430	95.1619	685	0.0567	12.1875
400	0.0016	0.3354	545	0.4448	95.5680	690	0.0482	10.3465
405	0.0051	1.0931	550	0.4416	94.8730	695	0.0434	9.3292
410	0.0154	3.3051	555	0.4443	95.4597	700	0.0381	8.1799
415	0.0389	8.3472	560	0.4396	94.4354	705	0.0325	6.9866
420	0.0895	19.2338	565	0.4350	93.4533	710	0.0291	6.2543
425	0.1832	39.3633	570	0.4259	91.5067	715	0.0249	5.3504
430	0.3137	67.3932	575	0.4166	89.4998	720	0.0214	4.5904
435	0.4863	104.4782	580	0.4032	86.6257	725	0.0188	4.0310
440	0.7041	151.2702	585	0.3904	83.8618	730	0.0159	3.4114
445	0.9502	204.1257	590	0.3737	80.2911	735	0.0137	2.9535
450	0.9469	203.4342	595	0.3569	76.6760	740	0.0124	2.6663
455	0.6100	131.0586	600	0.3367	72.3358	745	0.0109	2.3446
460	0.3814	81.9383	605	0.3157	67.8272	750	0.0091	1.9457
465	0.2742	58.8969	610	0.2933	63.0163	755	0.0076	1.6354
470	0.1816	39.0048	615	0.2711	58.2345	760	0.0086	1.8375
475	0.1278	27.4489	620	0.2485	53.3925	765	0.0057	1.2139
480	0.1037	22.2780	625	0.2267	48.7082	770	0.0039	0.8382
485	0.0951	20.4329	630	0.2054	44.1337	775	0.0054	1.1680
490	0.1026	22.0501	635	0.1848	39.7059	780	0.0039	0.8296
495	0.1306	28.0602	640	0.1666	35.7923	785	0.0035	0.7594
500	0.1749	37.5728	645	0.1497	32.1540	790	0.0032	0.6777
505	0.2273	48.8336	650	0.1335	28.6735	795	0.0026	0.5669
510	0.2831	60.8290	655	0.1181	25.3707	800	0.0032	0.6831
515	0.3341	71.7808	660	0.1068	22.9387			
520	0.3755	80.6685	665	0.0943	20.2689			

Condition: Tx:28.4°C, Ti:27.4°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-03-12 11:01:28
 Inspector: