

Lightsource Test Report (1/2)

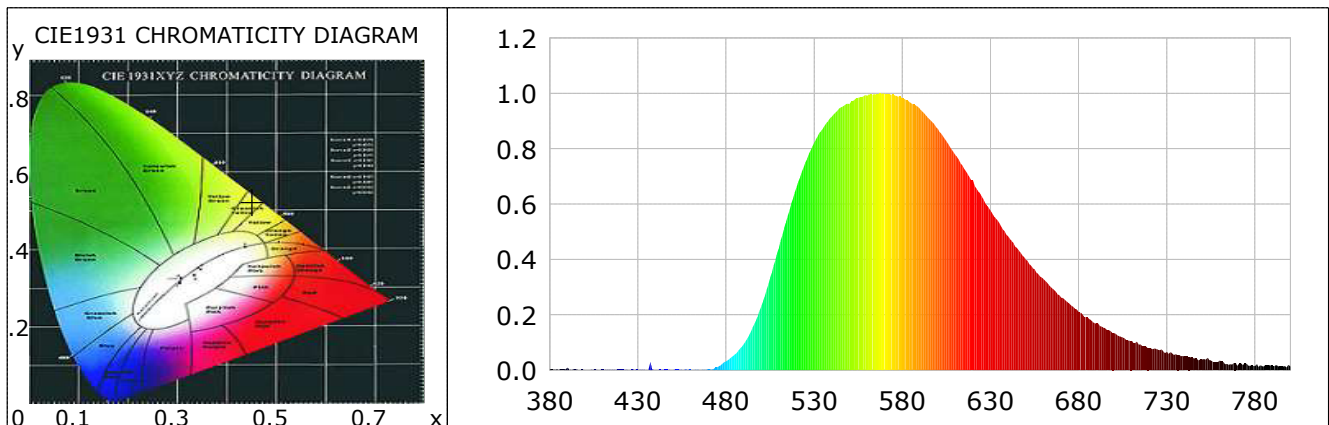
Product Infomation

Product Type: 3045-20W-SP-Y

Product Number: 9

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4518$ $y=0.5261$ $u(u')=0.2149$ $v=0.3754$ $v'=0.5630$
 CCT: $T_c=3556K$ ($duv=0.04027$) Color Ratio: $R=0.150$ $G=0.844$ $B=0.006$
 Peak Wavelength: 569.0nm Half Bandwidth: 125.8nm
 Dominant Wavelength: 572.2nm Color Purity: 0.936
 CRI: $R_a=44.1$ TM30: $R_f=26$, $R_g=33$
 $R_1=52$ $R_2=55$ $R_3=49$ $R_4=20$ $R_5=48$ $R_6=49$ $R_7=48$ $R_8=32$
 $R_9=-72$ $R_{10}=8$ $R_{11}=-1$ $R_{12}=19$ $R_{13}=51$ $R_{14}=75$ $R_{15}=38$
 Color Quality Scale: $Q_a=7.1$, $Q_f=10.3$, $Q_p=1.1$, $Q_g=22.6$
 $Q_1=35$ $Q_2=15$ $Q_3=27$ $Q_4=57$ $Q_5=69$ $Q_6=45$ $Q_7=7$ $Q_8=1$
 $Q_9=0$ $Q_{10}=0$ $Q_{11}=0$ $Q_{12}=2$ $Q_{13}=21$ $Q_{14}=34$ $Q_{15}=60$



Photometric Parameters

Luminous Flux: 1776.44 lm
 EEI: 0.14

Efficiency: 100.52 lm/W
 Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 4.173 W

Electric Parameters

Voltage: 12.90V
 Power Factor: 0.0000

Current: 1.3700A
 Frequency: 0.00Hz

Power: 17.67W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 44319 (3612)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4π
 CCD Integration Time: 462.99 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	0.0034	0.1062	525	0.7498	23.3261	670	0.2634	8.1950
385	0.0021	0.0660	530	0.8213	25.5502	675	0.2388	7.4282
390	0.0100	0.3109	535	0.8734	27.1698	680	0.2095	6.5186
395	0.0035	0.1082	540	0.9167	28.5165	685	0.1906	5.9286
400	0.0005	0.0162	545	0.9501	29.5565	690	0.1681	5.2295
405	0.0027	0.0853	550	0.9610	29.8944	695	0.1519	4.7251
410	0.0027	0.0829	555	0.9848	30.6347	700	0.1343	4.1776
415	0.0021	0.0668	560	0.9916	30.8478	705	0.1179	3.6692
420	0.0035	0.1102	565	0.9958	30.9781	710	0.1070	3.3294
425	0.0008	0.0259	570	0.9983	31.0544	715	0.0947	2.9473
430	0.0027	0.0849	575	0.9951	30.9556	720	0.0804	2.5021
435	0.0010	0.0301	580	0.9820	30.5480	725	0.0741	2.3041
440	0.0008	0.0238	585	0.9644	30.0021	730	0.0662	2.0594
445	0.0024	0.0758	590	0.9429	29.3322	735	0.0589	1.8332
450	0.0018	0.0549	595	0.9096	28.2950	740	0.0486	1.5122
455	0.0015	0.0463	600	0.8719	27.1250	745	0.0443	1.3793
460	0.0023	0.0726	605	0.8275	25.7413	750	0.0388	1.2062
465	0.0008	0.0263	610	0.7780	24.2022	755	0.0355	1.1044
470	0.0056	0.1736	615	0.7285	22.6629	760	0.0352	1.0949
475	0.0107	0.3327	620	0.6865	21.3576	765	0.0196	0.6112
480	0.0320	0.9945	625	0.6281	19.5400	770	0.0161	0.4995
485	0.0568	1.7673	630	0.5767	17.9401	775	0.0244	0.7581
490	0.0953	2.9632	635	0.5327	16.5716	780	0.0143	0.4449
495	0.1530	4.7610	640	0.4842	15.0622	785	0.0128	0.3976
500	0.2314	7.1989	645	0.4407	13.7106	790	0.0155	0.4818
505	0.3330	10.3590	650	0.3993	12.4209	795	0.0137	0.4277
510	0.4440	13.8131	655	0.3647	11.3457	800	0.0128	0.3983
515	0.5567	17.3195	660	0.3300	10.2662			
520	0.6615	20.5788	665	0.2959	9.2052			

Condition: Tx:30.3'C, Ti:29.5'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2023-09-08 16:23:39
 Inspector: