

Lightsource Test Report (1/2)

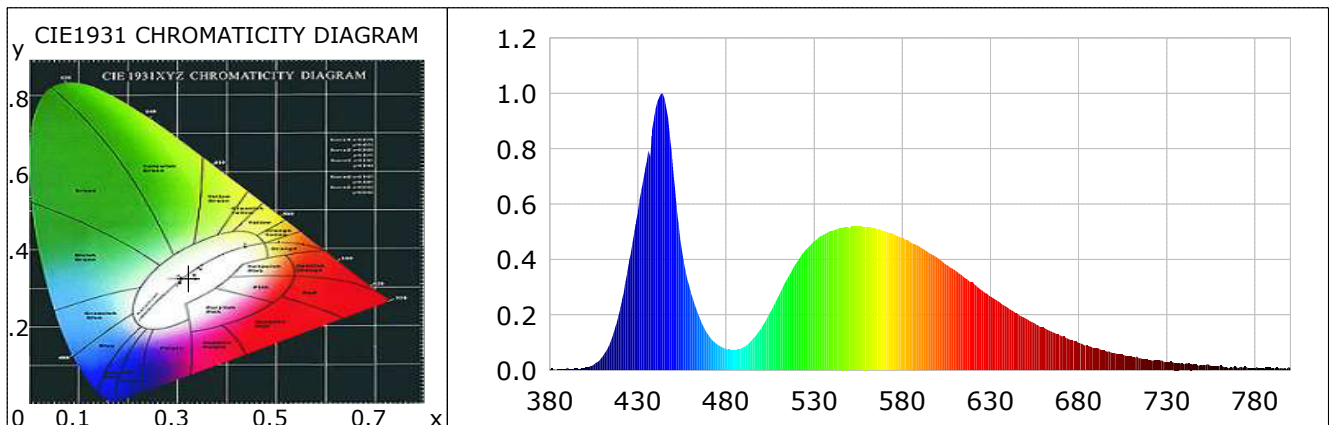
Product Infomation

Product Type: 3045-20W-SP

Product Number: 8

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3225$ $y=0.3261$ $u(u')=0.2058$ $v=0.3122$ $v'=0.4682$
 CCT: $T_c=6002K$ ($duv=-0.00315$) Color Ratio: $R=0.131$ $G=0.839$ $B=0.030$
 Peak Wavelength: 443.6nm Half Bandwidth: 25.5nm
 Dominant Wavelength: 482.6nm Color Purity: 0.043
 CRI: $R_a=69.4$ TM30: $R_f=62$, $R_g=98$
 $R_1=71$ $R_2=71$ $R_3=69$ $R_4=72$ $R_5=72$ $R_6=62$ $R_7=75$ $R_8=64$
 $R_9=-15$ $R_{10}=30$ $R_{11}=72$ $R_{12}=43$ $R_{13}=69$ $R_{14}=82$ $R_{15}=68$
 Color Quality Scale: $Q_a=68.3$, $Q_f=65.5$, $Q_p=75.7$, $Q_g=93.5$
 $Q_1=81$ $Q_2=88$ $Q_3=57$ $Q_4=55$ $Q_5=68$ $Q_6=71$ $Q_7=75$ $Q_8=88$
 $Q_9=83$ $Q_{10}=64$ $Q_{11}=59$ $Q_{12}=63$ $Q_{13}=68$ $Q_{14}=62$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 1603.60 lm
 EEI: 0.10

Efficiency: 130.91 lm/W
 Energy Efficiency Class: A++ (EU 874-2012)

Radiant Power: 5.205 W

Electric Parameters

Voltage: 12.76V
 Power Factor: 0.0000

Current: 0.9600A
 Frequency: 0.00Hz

Power: 12.25W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 45017 (3462)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4T
 CCD Integration Time: 305.79 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	0.0033	0.1730	525	0.4340	23.0667	670	0.1242	6.6006
385	0.0026	0.1406	530	0.4665	24.7955	675	0.1107	5.8849
390	0.0095	0.5040	535	0.4885	25.9631	680	0.0974	5.1777
395	0.0051	0.2730	540	0.5026	26.7126	685	0.0886	4.7080
400	0.0083	0.4420	545	0.5138	27.3079	690	0.0787	4.1821
405	0.0203	1.0807	550	0.5139	27.3135	695	0.0709	3.7709
410	0.0507	2.6939	555	0.5188	27.5769	700	0.0631	3.3515
415	0.1109	5.8946	560	0.5165	27.4525	705	0.0560	2.9778
420	0.2230	11.8553	565	0.5117	27.1970	710	0.0502	2.6706
425	0.3922	20.8441	570	0.5018	26.6727	715	0.0447	2.3747
430	0.5727	30.4402	575	0.4914	26.1183	720	0.0369	1.9595
435	0.7572	40.2492	580	0.4760	25.3006	725	0.0355	1.8880
440	0.9430	50.1197	585	0.4605	24.4752	730	0.0300	1.5946
445	0.9819	52.1923	590	0.4448	23.6413	735	0.0274	1.4573
450	0.7222	38.3889	595	0.4242	22.5476	740	0.0212	1.1274
455	0.4280	22.7494	600	0.4048	21.5165	745	0.0206	1.0971
460	0.2820	14.9882	605	0.3811	20.2561	750	0.0178	0.9484
465	0.1892	10.0576	610	0.3601	19.1409	755	0.0159	0.8469
470	0.1274	6.7700	615	0.3361	17.8619	760	0.0166	0.8821
475	0.0931	4.9506	620	0.3175	16.8779	765	0.0079	0.4214
480	0.0769	4.0878	625	0.2900	15.4126	770	0.0071	0.3763
485	0.0721	3.8305	630	0.2670	14.1895	775	0.0128	0.6809
490	0.0842	4.4750	635	0.2464	13.0989	780	0.0067	0.3572
495	0.1112	5.9123	640	0.2244	11.9269	785	0.0056	0.2987
500	0.1525	8.1070	645	0.2064	10.9713	790	0.0064	0.3426
505	0.2083	11.0730	650	0.1862	9.8969	795	0.0086	0.4561
510	0.2712	14.4157	655	0.1694	9.0051	800	0.0069	0.3663
515	0.3333	17.7141	660	0.1543	8.2035			
520	0.3888	20.6677	665	0.1379	7.3278			

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 16:19:51
 Inspector: