

Lightsource Test Report (1/2)

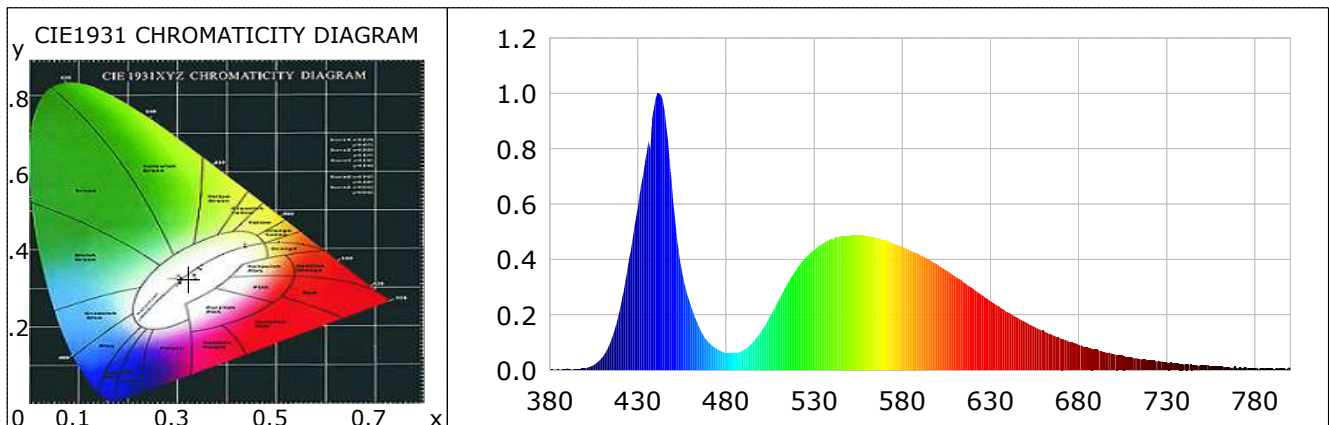
Product Infomation

Product Type: 3045-20W-CO

Product Number: 2

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3222$ $y=0.3243$ $u(u')=0.2063$ $v=0.3114$ $v'=0.4672$
 CCT: $T_c=6024K$ ($duv=-0.00402$) Color Ratio: $R=0.132$ $G=0.840$ $B=0.028$
 Peak Wavelength: 441.5nm Half Bandwidth: 24.0nm
 Dominant Wavelength: 480.3nm Color Purity: 0.046
 CRI: $R_a=68.7$ TM30: $R_f=61$, $R_g=98$
 $R_1=71$ $R_2=70$ $R_3=67$ $R_4=71$ $R_5=72$ $R_6=61$ $R_7=74$ $R_8=64$
 $R_9=-15$ $R_{10}=27$ $R_{11}=73$ $R_{12}=42$ $R_{13}=68$ $R_{14}=81$ $R_{15}=68$
 Color Quality Scale: $Q_a=67.8$, $Q_f=64.6$, $Q_p=75.9$, $Q_g=94.0$
 $Q_1=81$ $Q_2=87$ $Q_3=56$ $Q_4=54$ $Q_5=68$ $Q_6=71$ $Q_7=75$ $Q_8=88$
 $Q_9=82$ $Q_{10}=63$ $Q_{11}=58$ $Q_{12}=62$ $Q_{13}=68$ $Q_{14}=62$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 1612.64 lm
 EEI: 0.10

Efficiency: 135.58 lm/W
 Energy Efficiency Class: A++ (EU 874-2012)

Radiant Power: 5.254 W

Electric Parameters

Voltage: 12.79V
 Power Factor: 0.0000

Current: 0.9300A
 Frequency: 0.00Hz

Power: 11.89W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 45668 (2906)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4T
 CCD Integration Time: 293.90 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	0.0021	0.1228	525	0.4048	23.1270	670	0.1142	6.5278
385	0.0024	0.1383	530	0.4351	24.8588	675	0.1028	5.8743
390	0.0072	0.4096	535	0.4571	26.1159	680	0.0917	5.2407
395	0.0045	0.2561	540	0.4715	26.9399	685	0.0834	4.7666
400	0.0068	0.3894	545	0.4839	27.6498	690	0.0730	4.1725
405	0.0191	1.0937	550	0.4840	27.6570	695	0.0657	3.7566
410	0.0475	2.7130	555	0.4881	27.8915	700	0.0581	3.3172
415	0.1099	6.2820	560	0.4847	27.6922	705	0.0522	2.9804
420	0.2246	12.8326	565	0.4779	27.3079	710	0.0464	2.6535
425	0.4002	22.8659	570	0.4686	26.7759	715	0.0409	2.3356
430	0.5896	33.6879	575	0.4577	26.1543	720	0.0353	2.0188
435	0.7888	45.0677	580	0.4444	25.3946	725	0.0309	1.7671
440	0.9799	55.9920	585	0.4309	24.6218	730	0.0288	1.6460
445	0.9379	53.5913	590	0.4161	23.7743	735	0.0249	1.4208
450	0.6092	34.8091	595	0.4003	22.8721	740	0.0204	1.1628
455	0.3540	20.2253	600	0.3814	21.7914	745	0.0193	1.1015
460	0.2328	13.3011	605	0.3601	20.5727	750	0.0168	0.9598
465	0.1523	8.7036	610	0.3380	19.3152	755	0.0147	0.8389
470	0.1011	5.7769	615	0.3160	18.0583	760	0.0143	0.8171
475	0.0760	4.3420	620	0.2941	16.8018	765	0.0093	0.5339
480	0.0623	3.5592	625	0.2725	15.5684	770	0.0062	0.3546
485	0.0602	3.4407	630	0.2493	14.2441	775	0.0109	0.6241
490	0.0732	4.1847	635	0.2302	13.1519	780	0.0069	0.3942
495	0.0996	5.6926	640	0.2087	11.9242	785	0.0061	0.3496
500	0.1407	8.0390	645	0.1897	10.8379	790	0.0063	0.3573
505	0.1943	11.1002	650	0.1726	9.8595	795	0.0066	0.3750
510	0.2547	14.5558	655	0.1568	8.9614	800	0.0071	0.4053
515	0.3133	17.9013	660	0.1423	8.1328			
520	0.3636	20.7739	665	0.1278	7.3004			

Condition: Tx:24.8°C, Ti:23.6°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2023-11-17 15:43:37
 Inspector: