

Lightsource Test Report (1/2)

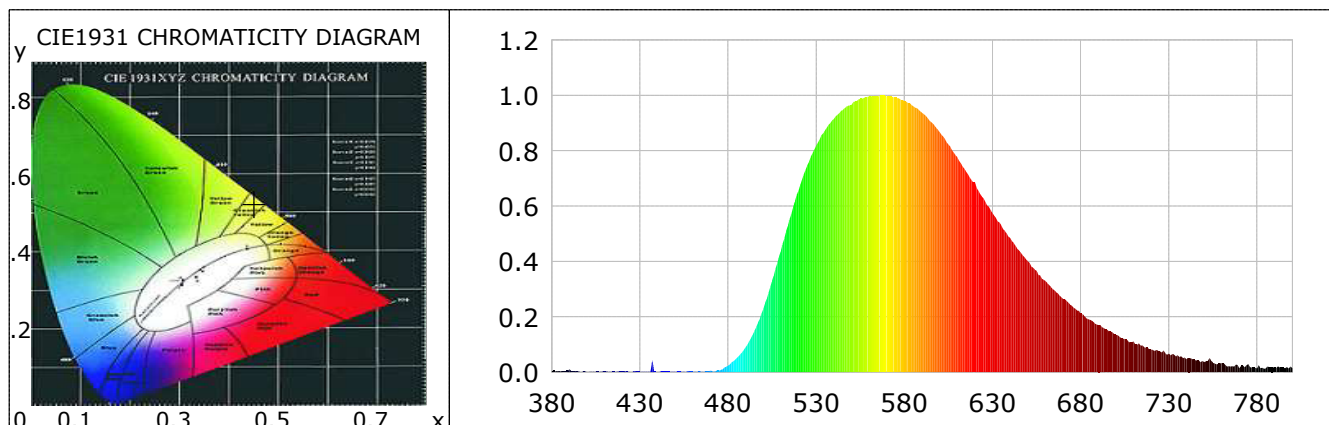
Product Infomation

Product Type: 3045-20W-SP-Y

Product Number: 10

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4517$ $y=0.5263$ $u(u')=0.2148$ $v=0.3754$ $v'=0.5631$
CCT: $T_c=3557K$ ($duv=0.04033$) Color Ratio: $R=0.150$ $G=0.844$ $B=0.006$
Peak Wavelength: 566.3nm Half Bandwidth: 125.5nm
Dominant Wavelength: 572.2nm Color Purity: 0.937
CRI: $R_a=44.3$ TM30: $R_f=27$, $R_g=33$
 $R1=52$ $R2=55$ $R3=49$ $R4=21$ $R5=48$ $R6=49$ $R7=49$ $R8=32$
 $R9=-72$ $R10=8$ $R11=-0$ $R12=18$ $R13=51$ $R14=75$ $R15=38$
Color Quality Scale: $Q_a=7.1$, $Q_f=10.3$, $Q_p=1.1$, $Q_g=22.6$
 $Q1=36$ $Q2=16$ $Q3=26$ $Q4=56$ $Q5=69$ $Q6=46$ $Q7=7$ $Q8=1$
 $Q9=0$ $Q10=0$ $Q11=0$ $Q12=2$ $Q13=20$ $Q14=34$ $Q15=60$



Photometric Parameters

Luminous Flux: 1285.31 lm
EEI: 0.12

Efficiency: 110.80 lm/W

Radiant Power: 3.021 W

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.89V
Power Factor: 0.0000

Current: 0.9000A
Frequency: 0.00Hz

Power: 11.60W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 20 Sec
Max of Signal: 44635 (3767)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 644.57 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	0.0043	0.0978	525	0.7477	16.8627	670	0.2637	5.9482
385	0.0032	0.0724	530	0.8183	18.4556	675	0.2395	5.4019
390	0.0110	0.2476	535	0.8732	19.6925	680	0.2108	4.7536
395	0.0041	0.0927	540	0.9150	20.6367	685	0.1906	4.2982
400	0.0007	0.0160	545	0.9475	21.3680	690	0.1704	3.8434
405	0.0031	0.0707	550	0.9657	21.7804	695	0.1543	3.4803
410	0.0032	0.0732	555	0.9876	22.2726	700	0.1359	3.0644
415	0.0033	0.0736	560	0.9973	22.4917	705	0.1201	2.7097
420	0.0044	0.0986	565	0.9964	22.4707	710	0.1112	2.5073
425	0.0009	0.0205	570	0.9962	22.4662	715	0.0979	2.2077
430	0.0026	0.0597	575	0.9919	22.3707	720	0.0824	1.8578
435	0.0013	0.0303	580	0.9797	22.0949	725	0.0756	1.7043
440	0.0008	0.0192	585	0.9618	21.6909	730	0.0676	1.5254
445	0.0030	0.0683	590	0.9369	21.1289	735	0.0615	1.3880
450	0.0017	0.0390	595	0.9048	20.4051	740	0.0468	1.0555
455	0.0023	0.0526	600	0.8664	19.5396	745	0.0440	0.9913
460	0.0032	0.0728	605	0.8226	18.5523	750	0.0367	0.8287
465	0.0013	0.0287	610	0.7760	17.5003	755	0.0343	0.7741
470	0.0059	0.1323	615	0.7260	16.3735	760	0.0338	0.7612
475	0.0064	0.1441	620	0.6859	15.4683	765	0.0206	0.4646
480	0.0237	0.5349	625	0.6274	14.1497	770	0.0150	0.3375
485	0.0518	1.1674	630	0.5742	12.9504	775	0.0290	0.6537
490	0.0921	2.0773	635	0.5314	11.9837	780	0.0134	0.3026
495	0.1502	3.3869	640	0.4845	10.9259	785	0.0141	0.3190
500	0.2299	5.1860	645	0.4402	9.9268	790	0.0155	0.3505
505	0.3310	7.4658	650	0.4007	9.0365	795	0.0164	0.3693
510	0.4410	9.9448	655	0.3654	8.2399	800	0.0147	0.3310
515	0.5549	12.5143	660	0.3306	7.4556			
520	0.6574	14.8255	665	0.2965	6.6873			

Condition: Tx:30.4'C, Ti:29.4'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2023-09-08 16:50:05
Inspector: