

Lightsource Test Report (1/2)

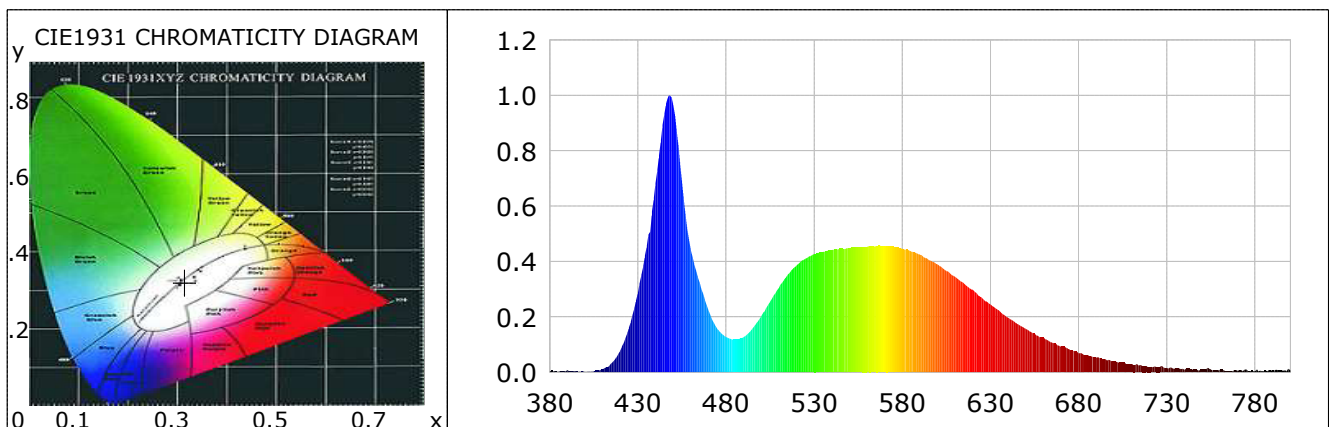
Product Infomation

Product Type: 3012RGB-14W-SPOT

Product Number: 3

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3147$ $y=0.3203$ $u(u')=0.2026$ $v=0.3093$ $v'=0.4639$
 CCT: $T_c=6460K$ ($duv=-0.00239$) Color Ratio: $R=0.131$ $G=0.827$ $B=0.042$
 Peak Wavelength: 448.0nm Half Bandwidth: 22.2nm
 Dominant Wavelength: 482.1nm Color Purity: 0.074
 CRI: $R_a=76.3$ TM30: $R_f=71$, $R_g=97$
 $R_1=76$ $R_2=79$ $R_3=79$ $R_4=79$ $R_5=77$ $R_6=71$ $R_7=82$ $R_8=67$
 $R_9=-8$ $R_{10}=48$ $R_{11}=78$ $R_{12}=50$ $R_{13}=76$ $R_{14}=88$ $R_{15}=73$
 Color Quality Scale: $Q_a=73.3$, $Q_f=71.7$, $Q_p=77.5$, $Q_g=92.7$
 $Q_1=83$ $Q_2=92$ $Q_3=64$ $Q_4=59$ $Q_5=72$ $Q_6=77$ $Q_7=81$ $Q_8=89$
 $Q_9=88$ $Q_{10}=73$ $Q_{11}=68$ $Q_{12}=69$ $Q_{13}=72$ $Q_{14}=64$ $Q_{15}=73$



Photometric Parameters

Luminous Flux: 1557.92 lm
 EEI: 0.10

Efficiency: 133.85 lm/W
 Energy Efficiency Class: A++ (EU 874-2012)

Radiant Power: 4.998 W

Electric Parameters

Voltage: 12.79V
 Power Factor: 0.0000

Current: 0.9100A
 Frequency: 0.00Hz

Power: 11.64W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 20 Sec
 Max of Signal: 52482 (4152)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4T
 CCD Integration Time: 314.91 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	0.1869	525	0.4093	22.6140	670	0.0922	5.0958
385	0.0023	0.1253	530	0.4276	23.6223	675	0.0815	4.5018
390	0.0092	0.5060	535	0.4339	23.9695	680	0.0678	3.7450
395	0.0024	0.1309	540	0.4406	24.3401	685	0.0613	3.3885
400	0.0010	0.0556	545	0.4455	24.6128	690	0.0527	2.9140
405	0.0042	0.2303	550	0.4478	24.7381	695	0.0480	2.6510
410	0.0108	0.5943	555	0.4514	24.9359	700	0.0402	2.2214
415	0.0317	1.7518	560	0.4531	25.0310	705	0.0340	1.8781
420	0.0786	4.3403	565	0.4562	25.2047	710	0.0310	1.7112
425	0.1610	8.8933	570	0.4547	25.1225	715	0.0268	1.4792
430	0.2865	15.8272	575	0.4536	25.0591	720	0.0195	1.0797
435	0.4574	25.2669	580	0.4452	24.5971	725	0.0195	1.0748
440	0.6823	37.6939	585	0.4362	24.0952	730	0.0158	0.8745
445	0.9350	51.6543	590	0.4247	23.4633	735	0.0150	0.8288
450	0.9673	53.4398	595	0.4052	22.3863	740	0.0084	0.4618
455	0.6825	37.7064	600	0.3889	21.4825	745	0.0089	0.4894
460	0.4427	24.4542	605	0.3658	20.2096	750	0.0086	0.4751
465	0.3232	17.8549	610	0.3442	19.0159	755	0.0102	0.5633
470	0.2250	12.4307	615	0.3210	17.7310	760	0.0093	0.5119
475	0.1570	8.6744	620	0.2973	16.4235	765	0.0048	0.2672
480	0.1276	7.0470	625	0.2704	14.9363	770	0.0049	0.2712
485	0.1187	6.5578	630	0.2450	13.5348	775	0.0108	0.5992
490	0.1278	7.0623	635	0.2226	12.2997	780	0.0033	0.1837
495	0.1575	8.6993	640	0.1974	10.9062	785	0.0050	0.2743
500	0.2025	11.1883	645	0.1752	9.6806	790	0.0050	0.2784
505	0.2547	14.0710	650	0.1567	8.6584	795	0.0070	0.3857
510	0.3063	16.9203	655	0.1392	7.6910	800	0.0059	0.3266
515	0.3519	19.4427	660	0.1251	6.9113			
520	0.3852	21.2816	665	0.1066	5.8904			

Condition: Tx:35.6'C, Ti:34.2'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2023-05-29 08:52:48
 Inspector: