

Lightsource Test Report (1/2)

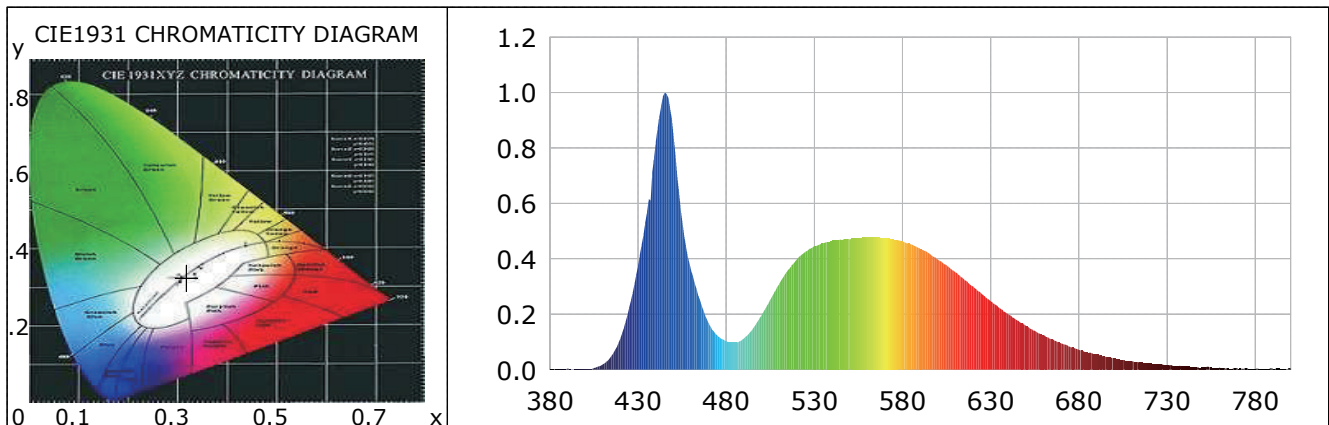
Product Infomation

Product Type: 2007-40W-FL

Product Number: 2007-40W-FL

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3184$ $y=0.3263$ $u(u')=0.2028$ $v=0.3118$ $v'=0.4677$
 CCT: $T_c=6218K$ ($duv=-0.00106$) Color Ratio: $R=0.129$ $G=0.835$ $B=0.036$
 Peak Wavelength: 445.3nm Half Bandwidth: 22.5nm
 Dominant Wavelength: 485.4nm Color Purity: 0.056
 CRI: $R_a=73.0$ TM30: $R_f=68$, $R_g=97$
 $R1=73$ $R2=75$ $R3=76$ $R4=75$ $R5=74$ $R6=68$ $R7=79$ $R8=63$
 $R9=-19$ $R10=40$ $R11=75$ $R12=48$ $R13=72$ $R14=86$ $R15=69$
 Color Quality Scale: $Q_a=71.5$, $Q_f=69.8$, $Q_p=76.5$, $Q_g=92.3$
 $Q1=81$ $Q2=91$ $Q3=62$ $Q4=59$ $Q5=71$ $Q6=75$ $Q7=79$ $Q8=88$
 $Q9=87$ $Q10=70$ $Q11=65$ $Q12=67$ $Q13=71$ $Q14=61$ $Q15=70$



Photometric Parameters

Luminous Flux: 3309.88 lm
 EEI: 0.15

Efficiency: 89.48 lm/W

Radiant Power: 10.463 W

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

Electric Parameters

Voltage: 12.05V
 Power Factor: 0.0000

Current: 3.0700A
 Frequency: 0.00Hz

Power: 36.99W

Test Infomation

Scan Range: 380~800:1nm
 Stabilization Time: 1 Min
 Max of Signal: 51771 (3300)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4π
 CCD Integration Time: 157.86 ms

Condition: $T_x=30.3^{\circ}C$, $T_i=29.3^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2024-04-03 11:34:09
 Inspector:

Lightsource Test Report (2/2)

WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0015	0.1724	525	0.4263	48.4211	670	0.0951	10.8039
385	0.0022	0.2549	530	0.4457	50.6306	675	0.0824	9.3646
390	0.0055	0.6277	535	0.4573	51.9413	680	0.0719	8.1704
395	0.0018	0.2073	540	0.4650	52.8191	685	0.0629	7.1500
400	0.0020	0.2305	545	0.4709	53.4906	690	0.0545	6.1892
405	0.0062	0.7085	550	0.4696	53.3394	695	0.0478	5.4311
410	0.0198	2.2542	555	0.4765	54.1322	700	0.0407	4.6199
415	0.0513	5.8251	560	0.4785	54.3544	705	0.0361	4.1032
420	0.1150	13.0595	565	0.4778	54.2688	710	0.0310	3.5181
425	0.2266	25.7358	570	0.4754	54.0010	715	0.0275	3.1199
430	0.3760	42.7120	575	0.4708	53.4836	720	0.0225	2.5614
435	0.5716	64.9306	580	0.4626	52.5438	725	0.0201	2.2788
440	0.8233	93.5187	585	0.4521	51.3554	730	0.0173	1.9622
445	1.0000	113.5922	590	0.4358	49.5056	735	0.0154	1.7483
450	0.8457	96.0603	595	0.4202	47.7272	740	0.0122	1.3863
455	0.5314	60.3659	600	0.3977	45.1742	745	0.0100	1.1307
460	0.3589	40.7739	605	0.3761	42.7197	750	0.0088	1.0050
465	0.2516	28.5846	610	0.3510	39.8682	755	0.0088	0.9944
470	0.1670	18.9705	615	0.3248	36.8928	760	0.0086	0.9756
475	0.1232	13.9920	620	0.2995	34.0174	765	0.0049	0.5572
480	0.1031	11.7161	625	0.2729	30.9984	770	0.0040	0.4532
485	0.0979	11.1257	630	0.2470	28.0608	775	0.0060	0.6786
490	0.1139	12.9391	635	0.2231	25.3436	780	0.0034	0.3819
495	0.1487	16.8957	640	0.1995	22.6563	785	0.0030	0.3456
500	0.1975	22.4297	645	0.1773	20.1431	790	0.0033	0.3697
505	0.2532	28.7641	650	0.1575	17.8958	795	0.0042	0.4749
510	0.3106	35.2870	655	0.1400	15.9071	800	0.0036	0.4143
515	0.3605	40.9531	660	0.1250	14.1961			
520	0.3991	45.3298	665	0.1088	12.3538			

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