

Lightsource Test Report (1/2)

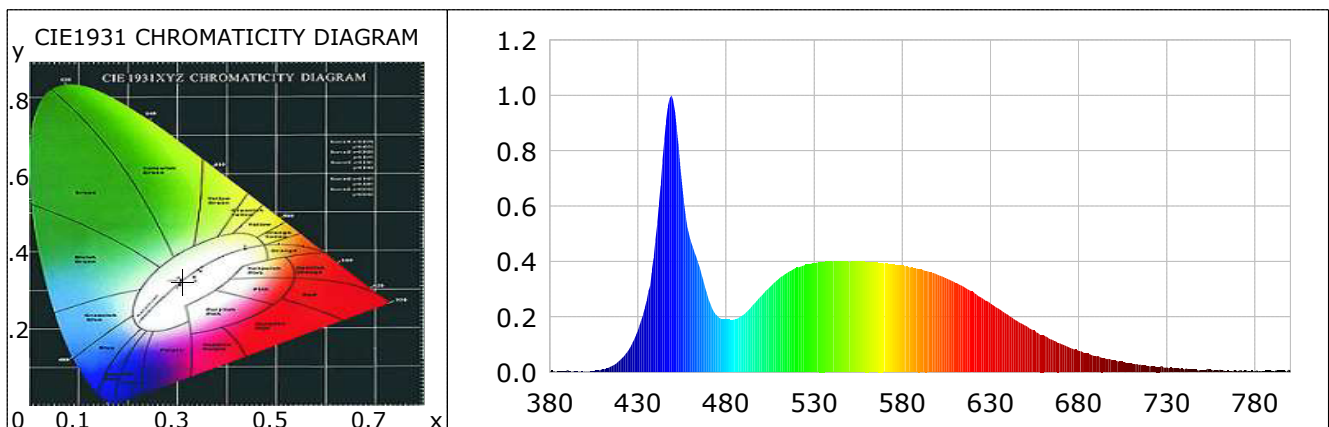
Product Infomation

Product Type: 3042-52W-FL

Product Number: 2

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3105$ $y=0.3225$ $u(u')=0.1988$ $v=0.3096$ $v'=0.4645$
 CCT: $T_c=6686K$ ($duv=0.00095$) Color Ratio: $R=0.137$ $G=0.809$ $B=0.054$
 Peak Wavelength: 448.9nm Half Bandwidth: 18.6nm
 Dominant Wavelength: 485.4nm Color Purity: 0.086
 CRI: $R_a=84.0$ TM30: $R_f=81$, $R_g=98$
 $R_1=84$ $R_2=87$ $R_3=87$ $R_4=86$ $R_5=84$ $R_6=81$ $R_7=89$ $R_8=75$
 $R_9=20$ $R_{10}=67$ $R_{11}=85$ $R_{12}=59$ $R_{13}=84$ $R_{14}=93$ $R_{15}=81$
 Color Quality Scale: $Q_a=81.8$, $Q_f=81.0$, $Q_p=83.8$, $Q_g=94.3$
 $Q_1=88$ $Q_2=96$ $Q_3=75$ $Q_4=71$ $Q_5=80$ $Q_6=84$ $Q_7=88$ $Q_8=92$
 $Q_9=94$ $Q_{10}=83$ $Q_{11}=80$ $Q_{12}=80$ $Q_{13}=82$ $Q_{14}=74$ $Q_{15}=79$



Photometric Parameters

Luminous Flux: 2317.92 lm
 EEI: 0.16

Efficiency: 83.08 lm/W

Radiant Power: 7.643 W

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

Electric Parameters

Voltage: 12.04V

Current: 2.2500A

Power: 27.90W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 20 Sec

Max of Signal: 49695 (4086)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 184.60 ms

Condition: $T_x=36.4^{\circ}C$, $T_i=34.9^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2023-08-01 16:34:35

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	0.0022	0.1920	525	0.3875	34.3082	670	0.1019	9.0204
385	0.0026	0.2330	530	0.3940	34.8841	675	0.0885	7.8386
390	0.0089	0.7859	535	0.3979	35.2306	680	0.0754	6.6740
395	0.0024	0.2145	540	0.3997	35.3886	685	0.0674	5.9680
400	0.0023	0.1997	545	0.4011	35.5145	690	0.0574	5.0804
405	0.0041	0.3590	550	0.3978	35.2167	695	0.0508	4.4940
410	0.0108	0.9593	555	0.3992	35.3413	700	0.0435	3.8484
415	0.0211	1.8724	560	0.3982	35.2531	705	0.0374	3.3095
420	0.0440	3.8984	565	0.3959	35.0502	710	0.0334	2.9551
425	0.0827	7.3244	570	0.3910	34.6186	715	0.0278	2.4605
430	0.1504	13.3158	575	0.3888	34.4210	720	0.0224	1.9859
435	0.2622	23.2171	580	0.3838	33.9821	725	0.0200	1.7703
440	0.4792	42.4278	585	0.3778	33.4510	730	0.0175	1.5513
445	0.8430	74.6370	590	0.3725	32.9828	735	0.0155	1.3688
450	0.9825	86.9873	595	0.3630	32.1377	740	0.0102	0.9043
455	0.6771	59.9452	600	0.3526	31.2127	745	0.0102	0.9012
460	0.4733	41.8995	605	0.3397	30.0719	750	0.0075	0.6602
465	0.3788	33.5365	610	0.3227	28.5674	755	0.0093	0.8203
470	0.2648	23.4450	615	0.3078	27.2521	760	0.0104	0.9207
475	0.2036	18.0243	620	0.2916	25.8142	765	0.0048	0.4285
480	0.1892	16.7512	625	0.2692	23.8287	770	0.0033	0.2928
485	0.1910	16.9095	630	0.2481	21.9690	775	0.0092	0.8178
490	0.2087	18.4735	635	0.2282	20.2016	780	0.0034	0.2969
495	0.2407	21.3084	640	0.2075	18.3709	785	0.0044	0.3857
500	0.2755	24.3947	645	0.1858	16.4457	790	0.0043	0.3819
505	0.3086	27.3181	650	0.1677	14.8477	795	0.0057	0.5010
510	0.3380	29.9259	655	0.1506	13.3309	800	0.0067	0.5891
515	0.3599	31.8595	660	0.1345	11.9050			
520	0.3772	33.3958	665	0.1179	10.4373			

Condition: Tx:36.4°C, Ti:34.9°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2023-08-01 16:34:35
 Inspector: