

Lightsource Test Report (1/2)

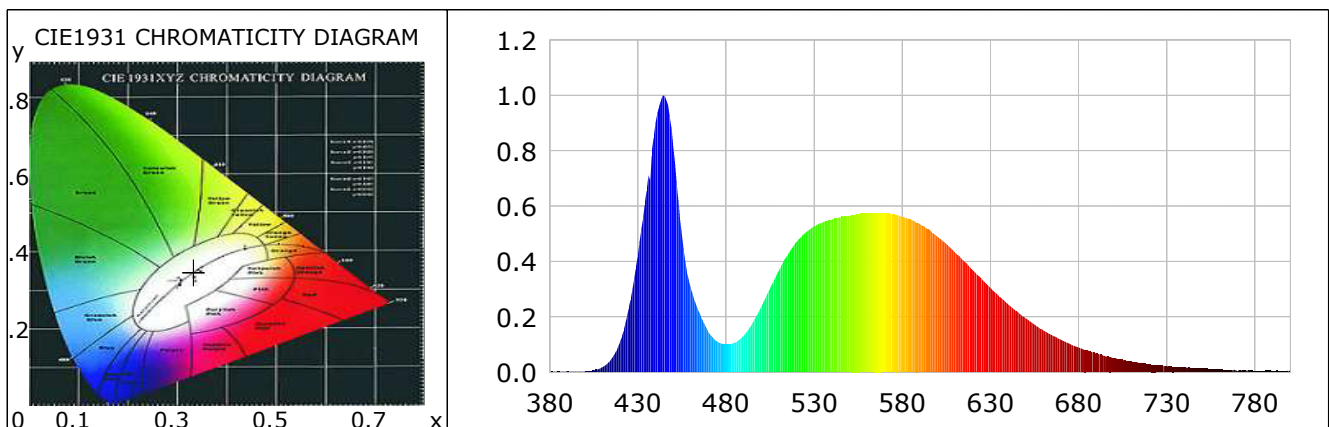
Product Information

Product Type: 48-20"-p8

Product Number: 55

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3327$ $y=0.3474$ $u(u')=0.2046$ $v=0.3205$ $v'=0.4808$
 CCT: $T_c=5490K$ ($duv=0.00311$) Color Ratio: $R=0.133$ $G=0.836$ $B=0.031$
 Peak Wavelength: 444.6nm Half Bandwidth: 23.2nm
 Dominant Wavelength: 552.5nm Color Purity: 0.041
 CRI: $R_a=71.0$ TM30: $R_f=69$, $R_g=95$
 $R_1=69$ $R_2=74$ $R_3=78$ $R_4=73$ $R_5=71$ $R_6=67$ $R_7=78$ $R_8=58$
 $R_9=-32$ $R_{10}=39$ $R_{11}=73$ $R_{12}=47$ $R_{13}=69$ $R_{14}=87$ $R_{15}=63$
 Color Quality Scale: $Q_a=71.5$, $Q_f=70.4$, $Q_p=75.2$, $Q_g=91.2$
 $Q_1=77$ $Q_2=92$ $Q_3=64$ $Q_4=63$ $Q_5=72$ $Q_6=73$ $Q_7=76$ $Q_8=86$
 $Q_9=90$ $Q_{10}=72$ $Q_{11}=68$ $Q_{12}=69$ $Q_{13}=71$ $Q_{14}=58$ $Q_{15}=66$



Photometric Parameters

Luminous Flux: 5759.84 lm
 EEI: 0.17

Efficiency: 80.00 lm/W

Radiant Power: 17.435 W

Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.00V

Current: 6.0000A

Power: 72.00W

Power Factor: 0.0000

Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 20 Sec

Max of Signal: 44862 (3495)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4T

CCD Integration Time: 67.40 ms

Condition: $T_x=33.4^{\circ}C$, $T_i=31.9^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2020-08-15 15:24:30

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	0.0021	0.3454	525	0.5030	83.0258	670	0.1178	19.4360
385	0.0027	0.4535	530	0.5266	86.9106	675	0.1018	16.7965
390	0.0040	0.6648	535	0.5411	89.3009	680	0.0891	14.6983
395	0.0017	0.2746	540	0.5522	91.1479	685	0.0788	13.0093
400	0.0025	0.4208	545	0.5607	92.5506	690	0.0675	11.1462
405	0.0066	1.0892	550	0.5632	92.9495	695	0.0588	9.7028
410	0.0188	3.0955	555	0.5711	94.2598	700	0.0506	8.3527
415	0.0479	7.8996	560	0.5738	94.7017	705	0.0448	7.3906
420	0.1114	18.3790	565	0.5759	95.0497	710	0.0386	6.3715
425	0.2368	39.0789	570	0.5737	94.6872	715	0.0330	5.4407
430	0.4220	69.6540	575	0.5705	94.1580	720	0.0286	4.7262
435	0.6624	109.3339	580	0.5611	92.6025	725	0.0252	4.1660
440	0.8998	148.5184	585	0.5505	90.8556	730	0.0221	3.6475
445	1.0000	165.0486	590	0.5343	88.1927	735	0.0184	3.0292
450	0.8196	135.2725	595	0.5156	85.1055	740	0.0164	2.7123
455	0.4893	80.7532	600	0.4898	80.8444	745	0.0138	2.2838
460	0.3031	50.0192	605	0.4636	76.5122	750	0.0116	1.9094
465	0.2129	35.1384	610	0.4323	71.3571	755	0.0108	1.7759
470	0.1452	23.9640	615	0.4008	66.1462	760	0.0102	1.6785
475	0.1111	18.3376	620	0.3680	60.7382	765	0.0067	1.1109
480	0.1009	16.6540	625	0.3365	55.5470	770	0.0046	0.7609
485	0.1068	17.6321	630	0.3047	50.2848	775	0.0071	1.1800
490	0.1329	21.9306	635	0.2738	45.1949	780	0.0045	0.7393
495	0.1780	29.3728	640	0.2460	40.6079	785	0.0043	0.7065
500	0.2376	39.2192	645	0.2198	36.2732	790	0.0042	0.6880
505	0.3034	50.0777	650	0.1943	32.0661	795	0.0038	0.6267
510	0.3683	60.7952	655	0.1713	28.2795	800	0.0041	0.6778
515	0.4252	70.1857	660	0.1514	24.9913			
520	0.4706	77.6703	665	0.1340	22.1223			

Condition: Tx:33.4'C, Ti:31.9'C, R.H.:60%
 Test Lab:
 Operator:

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