

Lightsource Test Report (1/2)

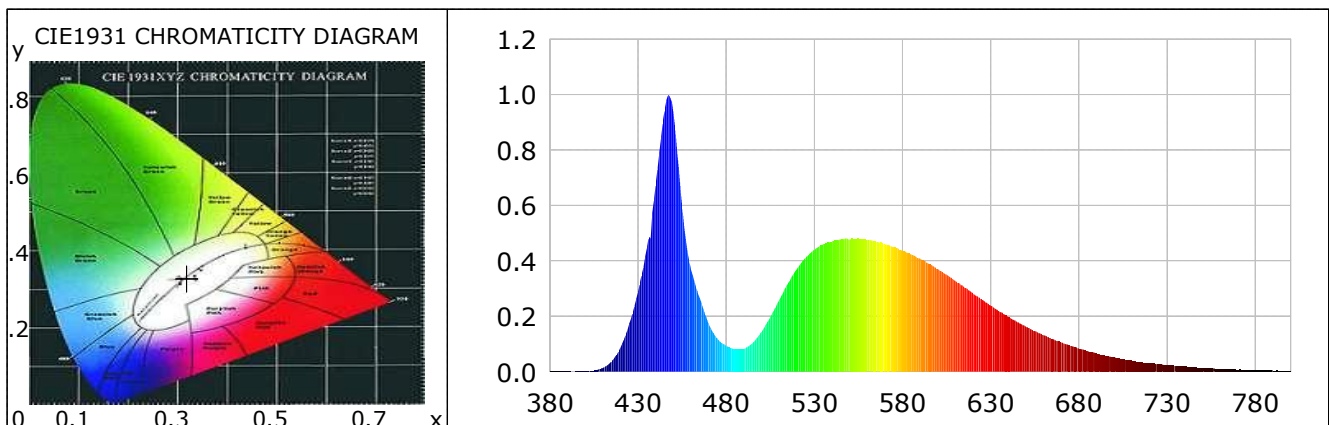
Product Infomation

Product Type: 54-20-D

Product Number: 54-20-D

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3192$ $y=0.3295$ $u(u')=0.2022$ $v=0.3130$ $v'=0.4695$
 CCT: $T_c=6160K$ ($duv=0.00022$) Color Ratio: $R=0.127$ $G=0.839$ $B=0.034$
 Peak Wavelength: 447.2nm Half Bandwidth: 19.3nm
 Dominant Wavelength: 488.2nm Color Purity: 0.051
 CRI: $R_a=71.2$ TM30: $R_f=66$, $R_g=95$
 $R_1=71$ $R_2=74$ $R_3=73$ $R_4=73$ $R_5=72$ $R_6=64$ $R_7=79$ $R_8=64$
 $R_9=-19$ $R_{10}=35$ $R_{11}=71$ $R_{12}=40$ $R_{13}=70$ $R_{14}=84$ $R_{15}=68$
 Color Quality Scale: $Q_a=69.6$, $Q_f=67.8$, $Q_p=74.7$, $Q_g=91.4$
 $Q_1=82$ $Q_2=91$ $Q_3=59$ $Q_4=54$ $Q_5=67$ $Q_6=72$ $Q_7=76$ $Q_8=87$
 $Q_9=86$ $Q_{10}=68$ $Q_{11}=63$ $Q_{12}=66$ $Q_{13}=70$ $Q_{14}=61$ $Q_{15}=70$



Photometric Parameters

Luminous Flux: 6285.80 lm Efficiency: 63.49 lm/W Radiant Power: 19.795 W
 EEI: 0.21 Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.79V Current: 7.7400A Power: 99.00W
 Power Factor: 1.0000 Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 20 Sec Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 45468 (2961) CCD Integration Time: 47.86 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	0.0017	0.3917	525	0.4128	92.4246	670	0.1064	23.8231
385	0.0024	0.5344	530	0.4403	98.5941	675	0.0949	21.2547
390	0.0028	0.6246	535	0.4601	103.0308	680	0.0833	18.6468
395	0.0014	0.3044	540	0.4715	105.5835	685	0.0746	16.7071
400	0.0018	0.3957	545	0.4787	107.1895	690	0.0662	14.8270
405	0.0049	1.0945	550	0.4763	106.6562	695	0.0587	13.1480
410	0.0150	3.3523	555	0.4810	107.7141	700	0.0515	11.5278
415	0.0385	8.6243	560	0.4760	106.5957	705	0.0459	10.2888
420	0.0879	19.6859	565	0.4710	105.4680	710	0.0403	9.0281
425	0.1742	39.0170	570	0.4604	103.0976	715	0.0355	7.9577
430	0.2902	64.9750	575	0.4500	100.7745	720	0.0306	6.8520
435	0.4521	101.2259	580	0.4365	97.7426	725	0.0273	6.1076
440	0.6830	152.9470	585	0.4234	94.8153	730	0.0238	5.3277
445	0.9489	212.4829	590	0.4066	91.0407	735	0.0207	4.6458
450	0.9326	208.8366	595	0.3893	87.1777	740	0.0185	4.1425
455	0.5874	131.5358	600	0.3705	82.9688	745	0.0156	3.4951
460	0.3687	82.5671	605	0.3494	78.2423	750	0.0139	3.1024
465	0.2641	59.1412	610	0.3282	73.5015	755	0.0126	2.8145
470	0.1720	38.5186	615	0.3042	68.1277	760	0.0118	2.6357
475	0.1184	26.5125	620	0.2818	63.1079	765	0.0085	1.9048
480	0.0935	20.9470	625	0.2606	58.3537	770	0.0077	1.7247
485	0.0813	18.1983	630	0.2384	53.3798	775	0.0073	1.6394
490	0.0831	18.6187	635	0.2170	48.6024	780	0.0058	1.2877
495	0.1056	23.6366	640	0.1975	44.2324	785	0.0051	1.1362
500	0.1459	32.6694	645	0.1798	40.2708	790	0.0045	1.0182
505	0.1984	44.4190	650	0.1621	36.3077	795	0.0046	1.0259
510	0.2594	58.0931	655	0.1464	32.7807	800	0.0037	0.8343
515	0.3196	71.5573	660	0.1320	29.5483			
520	0.3716	83.1994	665	0.1186	26.5564			

Condition: Tx:28.2'C, Ti:27.4'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2022-03-12 10:50:29
 Inspector: