

Lightsource Test Report (1/2)

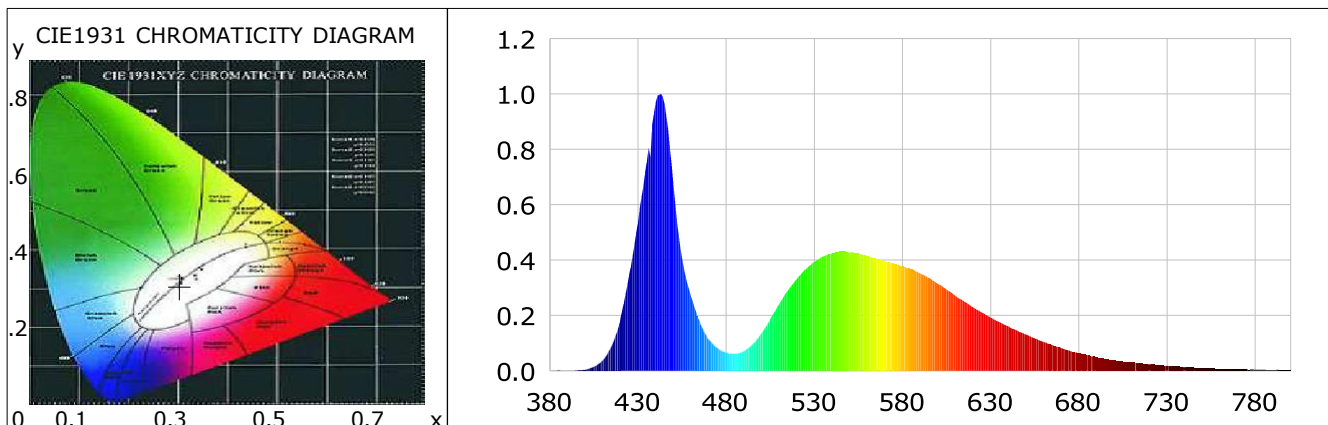
Product Infomation

Product Type: 63BLC-31-CO

Product Number: 63BLC-31-CO

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3043$ $y=0.3062$ $u(u')=0.2007$ $v=0.3029$ $v'=0.4543$
CCT: $T_c=7294K$ ($duv=-0.00445$) Color Ratio: $R=0.120$ $G=0.846$ $B=0.034$
Peak Wavelength: 442.7nm Half Bandwidth: 23.7nm
Dominant Wavelength: 478.1nm Color Purity: 0.123
CRI: $R_a=68.9$ TM30: $R_f=61$, $R_g=97$
 $R1=72$ $R2=70$ $R3=64$ $R4=72$ $R5=73$ $R6=61$ $R7=74$ $R8=65$
 $R9=-15$ $R10=25$ $R11=74$ $R12=42$ $R13=69$ $R14=79$ $R15=69$
Color Quality Scale: $Q_a=67.7$, $Q_f=64.3$, $Q_p=76.5$, $Q_g=92.9$
 $Q1=83$ $Q2=87$ $Q3=57$ $Q4=52$ $Q5=68$ $Q6=73$ $Q7=78$ $Q8=90$
 $Q9=81$ $Q10=62$ $Q11=56$ $Q12=60$ $Q13=67$ $Q14=61$ $Q15=71$



Photometric Parameters

Luminous Flux: 23471.77 lm
EEI: 0.18

Efficiency: 76.46 lm/W

Radiant Power: 78.361 W

Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.90V
Power Factor: 1.0000

Current: 23.8000A
Frequency: 0.00Hz

Power: 307.00W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 15 Sec
Max of Signal: 44670 (3053)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 17.09 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	0.0018	1.7400	525	0.3671	351.2195	670	0.0826	79.0139
385	0.0028	2.7039	530	0.3931	376.1163	675	0.0727	69.5945
390	0.0025	2.3778	535	0.4129	395.0485	680	0.0641	61.2972
395	0.0034	3.2874	540	0.4252	406.8499	685	0.0563	53.8573
400	0.0067	6.4021	545	0.4309	412.2861	690	0.0497	47.5321
405	0.0167	15.9675	550	0.4253	406.9664	695	0.0434	41.5501
410	0.0413	39.5102	555	0.4234	405.0866	700	0.0390	37.3176
415	0.0936	89.5356	560	0.4142	396.3077	705	0.0341	32.6673
420	0.1906	182.3646	565	0.4065	388.8924	710	0.0305	29.1817
425	0.3475	332.5170	570	0.3954	378.3159	715	0.0266	25.4777
430	0.5371	513.9374	575	0.3878	370.9989	720	0.0235	22.5079
435	0.7616	728.6667	580	0.3766	360.2854	725	0.0210	20.1001
440	0.9689	927.0010	585	0.3674	351.5684	730	0.0183	17.5187
445	0.9625	920.9448	590	0.3518	336.5943	735	0.0159	15.1661
450	0.6717	642.7227	595	0.3355	321.0353	740	0.0135	12.9330
455	0.4019	384.5421	600	0.3143	300.7618	745	0.0123	11.7413
460	0.2692	257.5848	605	0.2934	280.7116	750	0.0109	10.4094
465	0.1784	170.6851	610	0.2703	258.6339	755	0.0094	9.0190
470	0.1140	109.0624	615	0.2498	239.0207	760	0.0079	7.5143
475	0.0826	79.0604	620	0.2292	219.2966	765	0.0065	6.1976
480	0.0664	63.5683	625	0.2107	201.6166	770	0.0057	5.4823
485	0.0619	59.2711	630	0.1921	183.8443	775	0.0058	5.5542
490	0.0726	69.4341	635	0.1758	168.2095	780	0.0043	4.1509
495	0.0988	94.4864	640	0.1607	153.7578	785	0.0036	3.4489
500	0.1386	132.5993	645	0.1451	138.8374	790	0.0033	3.1354
505	0.1879	179.7543	650	0.1312	125.5571	795	0.0040	3.7797
510	0.2415	231.0445	655	0.1172	112.1590	800	0.0037	3.5324
515	0.2913	278.7156	660	0.1044	99.8845			
520	0.3323	317.9578	665	0.0927	88.7241			

Condition: Tx:29.8'C, Ti:31.4'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2025-07-21 13:36:26
Inspector: