

## Lightsource Test Report (1/2)

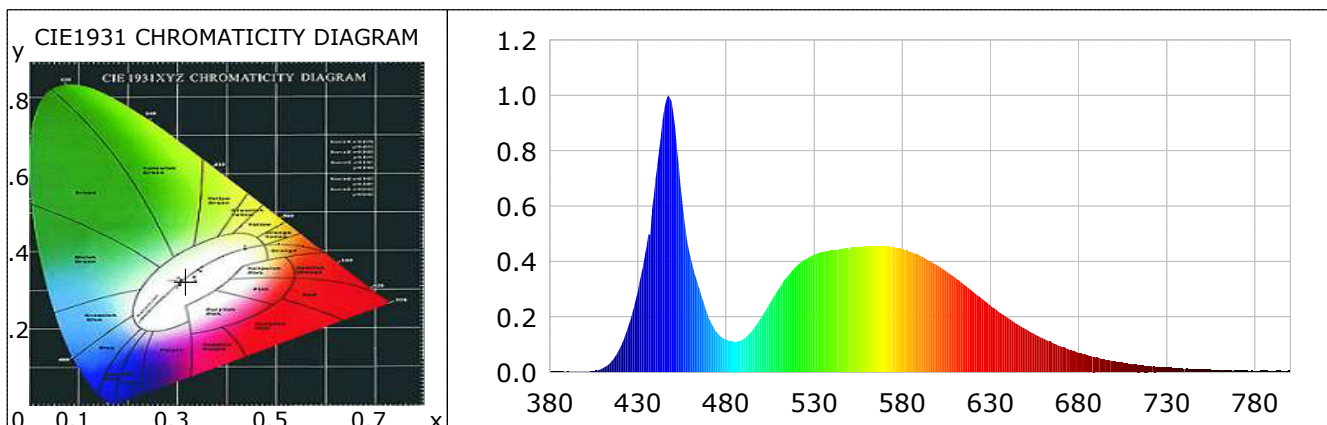
### Product Infomation

Product Type: 56BLC-20-CO

Product Spec: 56BLC-20-CO

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3164$   $y=0.3229$   $u(u')=0.2027$   $v=0.3104$   $v'=0.4655$   
 CCT:  $T_c=6348K$  ( $duv=-0.00186$ ) Color Ratio:  $R=0.131$   $G=0.829$   $B=0.040$   
 Peak Wavelength: 447.2nm Half Bandwidth: 20.2nm  
 Dominant Wavelength: 483.3nm Color Purity: 0.066  
 CRI:  $R_a=75.3$  TM30:  $R_f=70$ ,  $R_g=97$   
 $R1=75$   $R2=78$   $R3=78$   $R4=78$   $R5=76$   $R6=70$   $R7=82$   $R8=66$   
 $R9=-11$   $R10=46$   $R11=77$   $R12=49$   $R13=75$   $R14=87$   $R15=72$   
 Color Quality Scale:  $Q_a=72.8$ ,  $Q_f=71.2$ ,  $Q_p=77.1$ ,  $Q_g=92.5$   
 $Q1=83$   $Q2=92$   $Q3=64$   $Q4=59$   $Q5=71$   $Q6=77$   $Q7=81$   $Q8=89$   
 $Q9=88$   $Q10=72$   $Q11=67$   $Q12=68$   $Q13=72$   $Q14=63$   $Q15=72$



### Photometric Parameters

Luminous Flux: 7358.81 lm  
 EEI: 0.18

Efficiency: 75.79 lm/W

Radiant Power: 23.463 W

Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 12.81V

Current: 7.5800A

Power: 97.10W

Power Factor: 1.0000

Frequency: 0.00Hz

### Test Infomation

Scan Range: 380~800:1nm  
 Stabilization Time: 20 Sec  
 Max of Signal: 44098 (4047)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4T  
 CCD Integration Time: 39.55 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	0.0021	0.5486	525	0.4080	107.2135	670	0.0935	24.5803
385	0.0034	0.9002	530	0.4243	111.5116	675	0.0809	21.2549
390	0.0044	1.1674	535	0.4340	114.0443	680	0.0701	18.4345
395	0.0022	0.5903	540	0.4393	115.4571	685	0.0622	16.3458
400	0.0016	0.4175	545	0.4458	117.1509	690	0.0525	13.7941
405	0.0037	0.9595	550	0.4439	116.6506	695	0.0456	11.9917
410	0.0139	3.6519	555	0.4520	118.7867	700	0.0392	10.3041
415	0.0389	10.2205	560	0.4538	119.2528	705	0.0344	9.0394
420	0.0890	23.3956	565	0.4547	119.5070	710	0.0297	7.8064
425	0.1744	45.8309	570	0.4542	119.3685	715	0.0260	6.8266
430	0.2932	77.0555	575	0.4513	118.6143	720	0.0215	5.6554
435	0.4611	121.1798	580	0.4431	116.4524	725	0.0184	4.8355
440	0.6956	182.8147	585	0.4342	114.1117	730	0.0159	4.1795
445	0.9534	250.5630	590	0.4205	110.5128	735	0.0135	3.5377
450	0.9391	246.7856	595	0.4032	105.9611	740	0.0113	2.9616
455	0.6201	162.9523	600	0.3851	101.1998	745	0.0101	2.6664
460	0.4093	107.5685	605	0.3634	95.5051	750	0.0084	2.2124
465	0.2981	78.3508	610	0.3419	89.8512	755	0.0082	2.1606
470	0.1990	52.3062	615	0.3164	83.1540	760	0.0074	1.9336
475	0.1423	37.3994	620	0.2911	76.4964	765	0.0058	1.5126
480	0.1180	31.0143	625	0.2657	69.8369	770	0.0054	1.4101
485	0.1093	28.7283	630	0.2414	63.4500	775	0.0062	1.6345
490	0.1208	31.7470	635	0.2172	57.0681	780	0.0044	1.1642
495	0.1521	39.9714	640	0.1956	51.4044	785	0.0047	1.2229
500	0.1984	52.1515	645	0.1737	45.6542	790	0.0045	1.1847
505	0.2499	65.6792	650	0.1552	40.7785	795	0.0048	1.2515
510	0.3024	79.4621	655	0.1374	36.0982	800	0.0054	1.4126
515	0.3479	91.4323	660	0.1216	31.9637			
520	0.3833	100.7290	665	0.1072	28.1682			

Condition: Tx:38.3°C, Ti:37.0°C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Inventfine CMS-2S (Plus)  
 Test Time: 2022-07-29 11:10:16  
 Inspector: