

## Lightsource Test Report

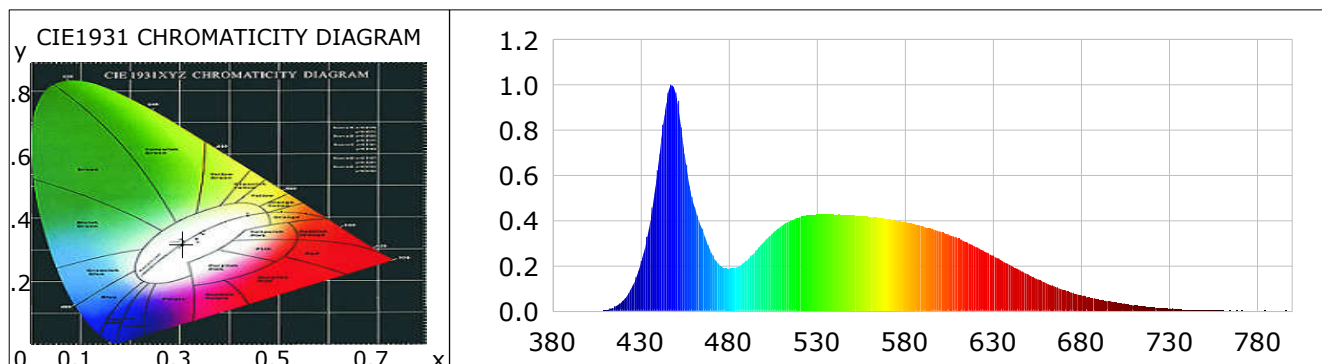
### Product Infomation

Product Category: LED灯  
Product Spec: 12-24v  
Manufacturer: pcs

Product Type: YML021  
Product Number: 23

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3033$   $y=0.3194$   $u(u')=0.1949$   $v=0.3078$   $v'=0.4617$   
 CCT:  $T_c=7156K$  ( $duv=0.00314$ ) Color Ratio:  $R=0.129$   $G=0.817$   $B=0.054$   
 Peak Wavelength: 447.8nm Half Bandwidth: 21.7nm  
 Dominant Wavelength: 485.5nm Color Purity: 0.112  
 CRI:  $R_a=82.5$  TM30:  $R_f=82$ ,  $R_g=97$   
 GAI:  $GAI\_BB\_8=92.6$ ,  $GAI\_BB\_15=96.8$ ,  $GAI\_EES=92.6$   
 R1 =82 R2 =85 R3 =86 R4 =84 R5 =83 R6 =80 R7 =88 R8 =74  
 R9 =12 R10=63 R11=84 R12=59 R13=82 R14=92 R15=78  
 Color Quality Scale:  $Q_a=81.6$ ,  $Q_f=80.8$ ,  $Q_p=83.7$ ,  $Q_g=93.6$   
 Q1 =87 Q2 =96 Q3 =75 Q4 =72 Q5 =81 Q6 =84 Q7 =87 Q8 =92  
 Q9 =94 Q10=83 Q11=80 Q12=81 Q13=82 Q14=72 Q15=78



### Photometric Parameters

Luminous Flux: 659.99 lm  
EEI: 0.13

Efficiency: 93.07 lm/W  
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 2.162 W

### Electric Parameters

Voltage: 24.000V  
Power Factor: 1.0000

Current: 0.2955A  
Frequency: 0.00Hz

Power: 7.09W

### Test Infomation

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min ALC.: 1.0000  
Max of Signal: 45734 (2326)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.00m, 4T  
CCD Integration Time: 184.29 ms

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WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0006	0.0153	525	0.4236	10.2209	670	0.0919	2.2167
385	0.0003	0.0076	530	0.4264	10.2882	675	0.0806	1.9450
390	0.0006	0.0146	535	0.4280	10.3278	680	0.0693	1.6719
395	0.0006	0.0133	540	0.4260	10.2786	685	0.0591	1.4269
400	0.0005	0.0130	545	0.4251	10.2561	690	0.0507	1.2235
405	0.0004	0.0100	550	0.4224	10.1933	695	0.0425	1.0251
410	0.0031	0.0758	555	0.4189	10.1085	700	0.0364	0.8776
415	0.0155	0.3750	560	0.4163	10.0453	705	0.0304	0.7329
420	0.0428	1.0323	565	0.4116	9.9310	710	0.0241	0.5814
425	0.1000	2.4119	570	0.4069	9.8188	715	0.0196	0.4738
430	0.1999	4.8237	575	0.4010	9.6768	720	0.0172	0.4158
435	0.3658	8.8252	580	0.3934	9.4924	725	0.0126	0.3031
440	0.6306	15.2166	585	0.3854	9.2997	730	0.0096	0.2326
445	0.9343	22.5435	590	0.3767	9.0889	735	0.0085	0.2046
450	0.9674	23.3412	595	0.3651	8.8105	740	0.0056	0.1345
455	0.7008	16.9096	600	0.3516	8.4844	745	0.0040	0.0954
460	0.4815	11.6179	605	0.3368	8.1275	750	0.0028	0.0665
465	0.3634	8.7681	610	0.3219	7.7660	755	0.0028	0.0677
470	0.2634	6.3549	615	0.3050	7.3603	760	0.0028	0.0683
475	0.2025	4.8860	620	0.2846	6.8679	765	0.0017	0.0410
480	0.1859	4.4857	625	0.2651	6.3968	770	0.0008	0.0201
485	0.1944	4.6904	630	0.2440	5.8882	775	0.0013	0.0321
490	0.2207	5.3256	635	0.2231	5.3827	780	0.0008	0.0186
495	0.2606	6.2873	640	0.2026	4.8889	785	0.0018	0.0423
500	0.3049	7.3570	645	0.1816	4.3823	790	0.0012	0.0285
505	0.3427	8.2684	650	0.1610	3.8836	795	0.0012	0.0297
510	0.3765	9.0839	655	0.1416	3.4158	800	0.0022	0.0538
515	0.3984	9.6139	660	0.1238	2.9870			
520	0.4136	9.9787	665	0.1082	2.6099			

Condition: Tx:16.1'C, Ti:16.9'C, R.H.:60%  
Test Lab: 信赖性实验室  
Operator: Yuqing Li

Test Device: Inventfine CMS-2S (Plus)  
Test Time: 2024-02-28 20:04:30  
Inspector: