

## Lightsource Test Report

### Product Infomation

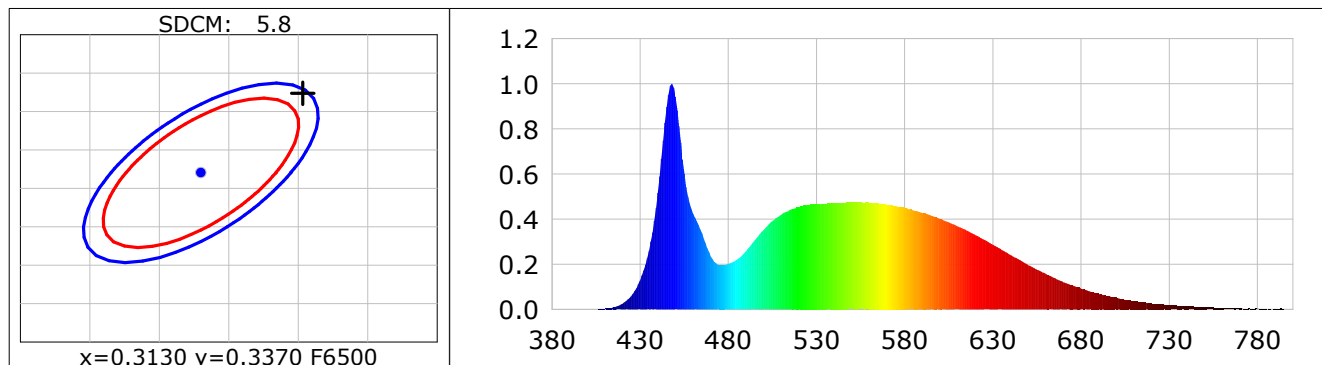
Product Category: HL-100W

Product Number: 8

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3203$   $y=0.3473$   $u(u')=0.1963$   $v=0.3193$   $v'=0.4789$   
 CCT:  $T_c=6032K$  ( $duv=0.00868$ ) Color Ratio:  $R=0.134$   $G=0.817$   $B=0.050$   
 Peak Wavelength: 447.8nm Half Bandwidth: 17.3nm  
 Dominant Wavelength: 506.6nm Color Purity: 0.040  
 Central Wave: 448.4nm Gravity Wave: 448.3nm  
 CRI:  $R_a=81.4$ ,  $avgR(1\sim14)=73.6$ ,  $avgR(1\sim15)=73.6$  TM30:  $R_f=83$ ,  $R_g=96$   
 GAI:  $GAI\_BB\_8=88.4$ ,  $GAI\_BB\_15=93.3$ ,  $GAI\_EES=84.2$   

R1 =78	R2 =84	R3 =90	R4 =82	R5 =80	R6 =80	R7 =88	R8 =69
R9 =2	R10=64	R11=81	R12=58	R13=79	R14=95	R15=73	TLCI=70
Color Quality Scale: $Q_a=82.5$ , $Q_f=82.6$ , $Q_p=82.6$ , $Q_g=91.7$							
Q1 =85	Q2 =98	Q3 =79	Q4 =77	Q5 =82	Q6 =83	Q7 =85	Q8 =90
Q9 =97	Q10=86	Q11=84	Q12=84	Q13=83	Q14=71	Q15=76	



### Photometric Parameters

Luminous Flux: 1093.0 lm Efficiency: 0.00 lm/W Radiant Power: 3.427 W  
 Total mains efficacy: 0.00 lm/W Energy Efficiency Class: G (EU 2019/2015)  
 Melanin Flux: 1.193 W M/R: 0.9080 MDER: 0.8263

### Electric Parameters

Voltage: 0.00V Current: 0.0000A Power: 0.00W  
 Power Factor: 0.0000 Frequency: 0.00Hz

### Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 0 ms ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4T  
 Max of Signal: 46197 (2273) CCD Integration Time: 76.82 ms

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WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0009	0.0329	535	0.4679	16.6573	690	0.0698	2.4848
385	0.0007	0.0247	540	0.4702	16.7387	695	0.0606	2.1578
390	0.0007	0.0241	545	0.4723	16.8134	700	0.0515	1.8320
395	0.0006	0.0196	550	0.4730	16.8384	705	0.0421	1.5000
400	0.0007	0.0239	555	0.4737	16.8644	710	0.0359	1.2790
405	0.0012	0.0420	560	0.4730	16.8382	715	0.0302	1.0755
410	0.0038	0.1343	565	0.4696	16.7194	720	0.0269	0.9566
415	0.0100	0.3570	570	0.4635	16.5022	725	0.0220	0.7840
420	0.0262	0.9313	575	0.4589	16.3389	730	0.0178	0.6342
425	0.0605	2.1535	580	0.4498	16.0123	735	0.0150	0.5327
430	0.1297	4.6187	585	0.4389	15.6241	740	0.0136	0.4828
435	0.2616	9.3122	590	0.4276	15.2241	745	0.0109	0.3883
440	0.5174	18.4209	595	0.4167	14.8343	750	0.0096	0.3403
445	0.8991	32.0075	600	0.4011	14.2777	755	0.0073	0.2583
450	0.9439	33.6031	605	0.3866	13.7635	760	0.0054	0.1920
455	0.6022	21.4399	610	0.3687	13.1258	765	0.0038	0.1352
460	0.4249	15.1276	615	0.3506	12.4822	770	0.0043	0.1541
465	0.3377	12.0236	620	0.3301	11.7508	775	0.0031	0.1103
470	0.2357	8.3923	625	0.3099	11.0338	780	0.0044	0.1571
475	0.1958	6.9718	630	0.2872	10.2237	785	0.0022	0.0797
480	0.2015	7.1740	635	0.2644	9.4138	790	0.0017	0.0589
485	0.2214	7.8829	640	0.2414	8.5932	795	0.0017	0.0612
490	0.2589	9.2158	645	0.2202	7.8401	800	0.0016	0.0581
495	0.3071	10.9322	650	0.1971	7.0162			
500	0.3530	12.5673	655	0.1769	6.2995			
505	0.3922	13.9636	660	0.1582	5.6330			
510	0.4199	14.9490	665	0.1391	4.9506			
515	0.4419	15.7322	670	0.1214	4.3218			
520	0.4534	16.1406	675	0.1065	3.7907			
525	0.4615	16.4300	680	0.0923	3.2861			
530	0.4660	16.5916	685	0.0799	2.8430			

Condition: Tx:21.5'C, Ti:20.1'C, R.H.:60%  
 Test Lab:  
 Operator:

Test Device: CMS-2S (Plus)  
 Test Time: 2026-01-12 17:21:57  
 Auditor: