

Lightsource Test Report

Product Infomation

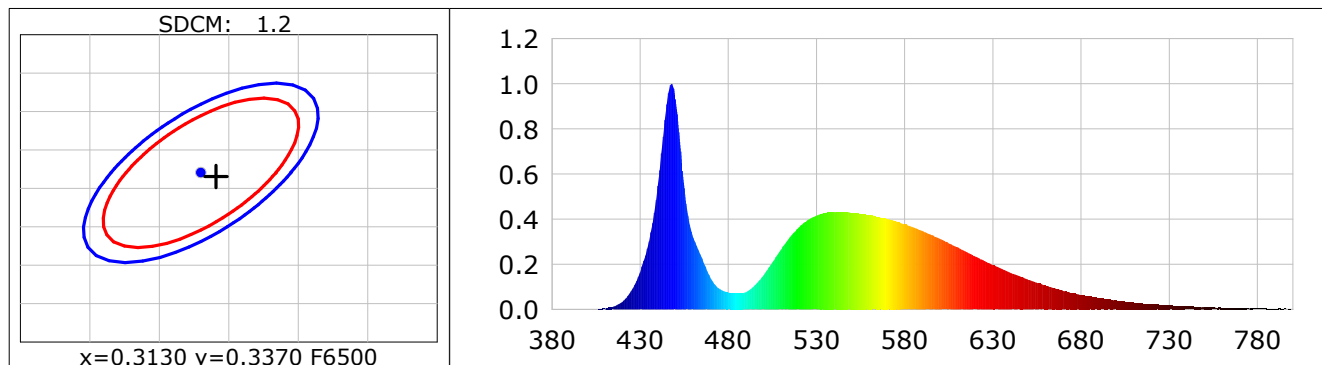
Product Type: HL-400W积分球测试

Product Number: 16

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3141$ $y=0.3365$ $u(u')=0.1960$ $v=0.3150$ $v'=0.4725$
 CCT: $T_c=6382K$ ($duv=0.00632$) Color Ratio: $R=0.119$ $G=0.847$ $B=0.034$
 Peak Wavelength: 447.7nm Half Bandwidth: 16.3nm
 Dominant Wavelength: 493.9nm Color Purity: 0.063
 Central Wave: 447.4nm Gravity Wave: 447.6nm
 CRI: $R_a=70.4$, $avgR(1\sim14)=59.2$, $avgR(1\sim15)=59.5$ TM30: $R_f=71$, $R_g=94$
 GAI: $GAI_BB_8=86.6$, $GAI_BB_15=93.0$, $GAI_EES=84.1$

R1 =68	R2 =73	R3 =75	R4 =72	R5 =70	R6 =64	R7 =80	R8 =61
R9 =-30	R10=35	R11=69	R12=37	R13=68	R14=86	R15=64	TLCI=48
Color Quality Scale: $Q_a=71.1$, $Q_f=69.8$, $Q_p=74.6$, $Q_g=89.5$							
Q1 =81	Q2 =93	Q3 =62	Q4 =57	Q5 =69	Q6 =72	Q7 =76	Q8 =86
Q9 =89	Q10=71	Q11=67	Q12=70	Q13=72	Q14=59	Q15=68	



Photometric Parameters

Luminous Flux: 2646.8 lm Efficiency: 0.00 lm/W Radiant Power: 8.098 W
 Total mains efficacy: 0.00 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Melanin Flux: 2.593 W M/R: 0.8150 MDER: 0.7417

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: 45831 (2315) CCD Integration Time: 25.68 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	0.0661	535	0.4275	45.1804	690	0.0504	5.3301
385	0.0010	0.1085	540	0.4330	45.7581	695	0.0443	4.6848
390	0.0004	0.0383	545	0.4322	45.6699	700	0.0395	4.1763
395	0.0003	0.0282	550	0.4281	45.2363	705	0.0343	3.6208
400	0.0006	0.0648	555	0.4231	44.7093	710	0.0303	3.2020
405	0.0013	0.1354	560	0.4175	44.1187	715	0.0256	2.7097
410	0.0038	0.4031	565	0.4099	43.3144	720	0.0230	2.4334
415	0.0130	1.3740	570	0.3998	42.2511	725	0.0198	2.0924
420	0.0353	3.7308	575	0.3903	41.2423	730	0.0175	1.8506
425	0.0823	8.7001	580	0.3765	39.7883	735	0.0150	1.5811
430	0.1657	17.5152	585	0.3633	38.3949	740	0.0126	1.3284
435	0.3033	32.0546	590	0.3485	36.8324	745	0.0106	1.1164
440	0.5477	57.8761	595	0.3309	34.9723	750	0.0088	0.9258
445	0.9094	96.1001	600	0.3122	32.9867	755	0.0080	0.8487
450	0.9328	98.5736	605	0.2931	30.9719	760	0.0061	0.6467
455	0.5382	56.8721	610	0.2755	29.1155	765	0.0062	0.6590
460	0.3201	33.8242	615	0.2564	27.0949	770	0.0054	0.5695
465	0.2274	24.0298	620	0.2353	24.8617	775	0.0040	0.4279
470	0.1380	14.5823	625	0.2165	22.8834	780	0.0047	0.4985
475	0.0908	9.5937	630	0.1970	20.8223	785	0.0030	0.3140
480	0.0753	7.9584	635	0.1802	19.0426	790	0.0021	0.2179
485	0.0698	7.3730	640	0.1631	17.2312	795	0.0029	0.3023
490	0.0774	8.1786	645	0.1485	15.6907	800	0.0008	0.0798
495	0.1073	11.3436	650	0.1325	13.9971			
500	0.1527	16.1328	655	0.1186	12.5380			
505	0.2090	22.0831	660	0.1061	11.2120			
510	0.2671	28.2289	665	0.0940	9.9346			
515	0.3219	34.0187	670	0.0832	8.7970			
520	0.3642	38.4871	675	0.0733	7.7495			
525	0.3961	41.8599	680	0.0645	6.8147			
530	0.4159	43.9536	685	0.0574	6.0667			

Condition: Tx:23.4'C, Ti:23.1'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2025-12-22 09:04:21
 Auditor: