

Lightsource Test Report

Product Infomation

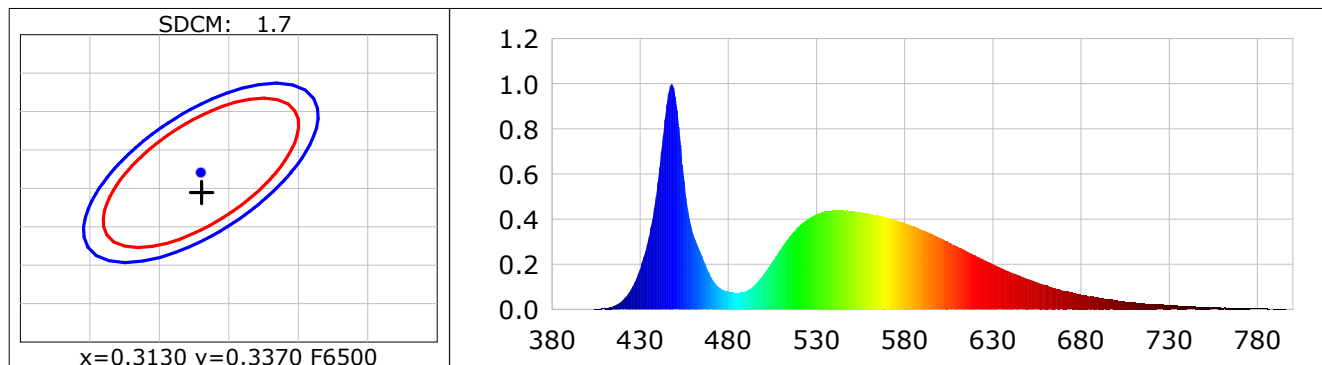
Product Type: HL-300W积分球测试

Product Number: 17

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3131$ $y=0.3344$ $u(u')=0.1961$ $v=0.3142$ $v'=0.4713$
 CCT: $T_c=6448K$ ($duv=0.00578$) Color Ratio: $R=0.119$ $G=0.846$ $B=0.035$
 Peak Wavelength: 447.8nm Half Bandwidth: 17.0nm
 Dominant Wavelength: 492.4nm Color Purity: 0.068
 Central Wave: 447.4nm Gravity Wave: 447.6nm
 CRI: $R_a=70.7$, $avgR(1\sim14)=59.6$, $avgR(1\sim15)=59.9$ TM30: $R_f=71$, $R_g=94$
 GAI: $GAI_BB_8=87.0$, $GAI_BB_15=93.3$, $GAI_EES=84.7$

R1 =69	R2 =73	R3 =75	R4 =72	R5 =70	R6 =64	R7 =80	R8 =62
R9 =-28	R10=35	R11=70	R12=37	R13=69	R14=86	R15=65	TLCI=48
Color Quality Scale: $Q_a=71.1$, $Q_f=69.8$, $Q_p=74.8$, $Q_g=89.6$							
Q1 =82	Q2 =93	Q3 =62	Q4 =57	Q5 =69	Q6 =72	Q7 =76	Q8 =86
Q9 =88	Q10=71	Q11=67	Q12=70	Q13=72	Q14=60	Q15=69	



Photometric Parameters

Luminous Flux: 4159.2 lm Efficiency: 0.00 lm/W Radiant Power: 12.802 W
 Total mains efficacy: 0.00 lm/W Energy Efficiency Class: G (EU 2019/2015)
 Melanin Flux: 4.112 W M/R: 0.8225 MDER: 0.7485

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: 46657 (2301) CCD Integration Time: 16.89 ms

Condition: $T_x:23.4^{\circ}C$, $T_i:23.1^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2025-12-22 09:05:22
 Auditor:

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WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0008	0.1375	535	0.4333	70.8750	690	0.0524	8.5730
385	0.0005	0.0809	540	0.4389	71.7834	695	0.0461	7.5352
390	0.0001	0.0168	545	0.4385	71.7211	700	0.0404	6.6141
395	0.0005	0.0883	550	0.4353	71.1916	705	0.0351	5.7343
400	0.0005	0.0842	555	0.4302	70.3644	710	0.0302	4.9440
405	0.0015	0.2381	560	0.4245	69.4273	715	0.0272	4.4511
410	0.0049	0.8003	565	0.4162	68.0649	720	0.0237	3.8745
415	0.0157	2.5668	570	0.4065	66.4825	725	0.0200	3.2692
420	0.0405	6.6225	575	0.3959	64.7496	730	0.0175	2.8591
425	0.0910	14.8884	580	0.3834	62.7023	735	0.0158	2.5768
430	0.1800	29.4433	585	0.3680	60.1846	740	0.0137	2.2402
435	0.3247	53.1065	590	0.3530	57.7404	745	0.0120	1.9621
440	0.5641	92.2535	595	0.3362	54.9872	750	0.0098	1.6024
445	0.9084	148.5735	600	0.3173	51.8940	755	0.0085	1.3954
450	0.9447	154.5054	605	0.2976	48.6785	760	0.0069	1.1326
455	0.5676	92.8333	610	0.2789	45.6135	765	0.0069	1.1212
460	0.3354	54.8486	615	0.2594	42.4206	770	0.0060	0.9878
465	0.2383	38.9766	620	0.2401	39.2662	775	0.0047	0.7659
470	0.1472	24.0772	625	0.2195	35.8931	780	0.0043	0.7091
475	0.0967	15.8125	630	0.2012	32.9067	785	0.0043	0.7086
480	0.0796	13.0219	635	0.1833	29.9840	790	0.0018	0.2873
485	0.0731	11.9562	640	0.1656	27.0886	795	0.0019	0.3077
490	0.0813	13.2927	645	0.1505	24.6091	800	0.0021	0.3473
495	0.1103	18.0401	650	0.1356	22.1787			
500	0.1567	25.6276	655	0.1210	19.7940			
505	0.2121	34.6867	660	0.1075	17.5850			
510	0.2707	44.2666	665	0.0956	15.6394			
515	0.3257	53.2700	670	0.0836	13.6769			
520	0.3683	60.2354	675	0.0744	12.1762			
525	0.4000	65.4193	680	0.0660	10.7983			
530	0.4214	68.9160	685	0.0581	9.5003			

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