

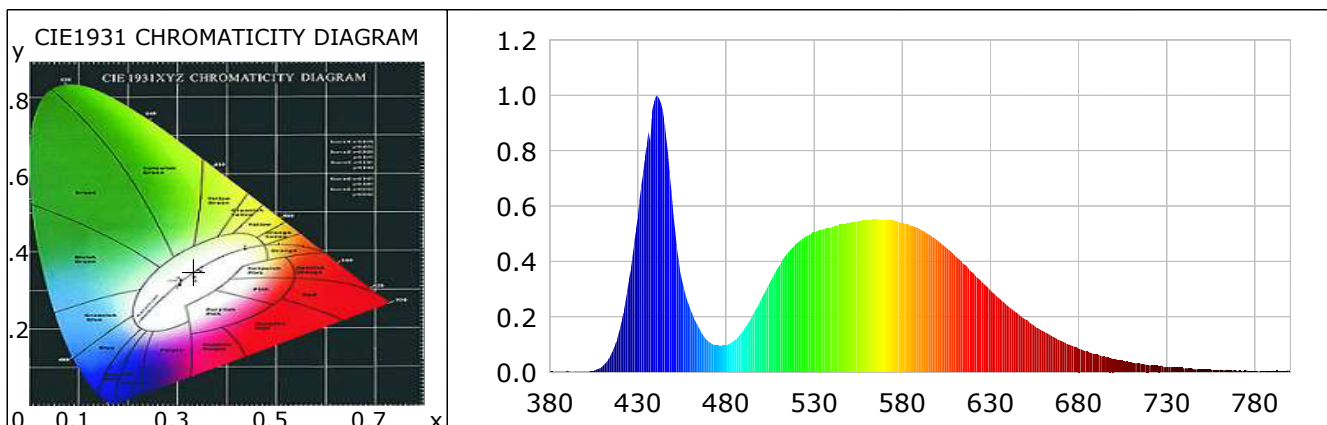
Lightsource Test Report (1/2)

Product Infomation

Product Type: 3012 18W OSRAM P8 5W FLOO Product Number: 82

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3329$ $y=0.3480$ $u(u')=0.2046$ $v=0.3207$ $v'=0.4811$
 CCT: $T_c=5482K$ ($duv=0.00332$) Color Ratio: $R=0.134$ $G=0.835$ $B=0.031$
 Peak Wavelength: 440.9nm Half Bandwidth: 22.5nm
 Dominant Wavelength: 553.3nm Color Purity: 0.044
 CRI: $R_a=71.2$ TM30: $R_f=69$, $R_g=96$
 $R1=70$ $R2=74$ $R3=78$ $R4=73$ $R5=72$ $R6=68$ $R7=77$ $R8=58$
 $R9=-30$ $R10=40$ $R11=75$ $R12=51$ $R13=69$ $R14=88$ $R15=63$
 Color Quality Scale: $Q_a=72.8$, $Q_f=71.5$, $Q_p=76.6$, $Q_g=92.0$
 $Q1=77$ $Q2=91$ $Q3=67$ $Q4=67$ $Q5=74$ $Q6=74$ $Q7=77$ $Q8=87$
 $Q9=90$ $Q10=72$ $Q11=69$ $Q12=70$ $Q13=72$ $Q14=58$ $Q15=66$



Photometric Parameters

Luminous Flux: 1495.27 lm Efficiency: 84.67 lm/W Radiant Power: 4.571 W
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.80V Current: 1.3800A Power: 17.66W
 Power Factor: 0.0000 Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 20 Sec Photometric Condition: Sphere diameter: 1.50m, 4T
 Max of Signal: 45581 (2834) CCD Integration Time: 270.50 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	0.0016	0.0718	525	0.4891	21.6895	670	0.1142	5.0646
385	0.0016	0.0697	530	0.5045	22.3730	675	0.0989	4.3848
390	0.0059	0.2635	535	0.5163	22.8947	680	0.0847	3.7567
395	0.0018	0.0819	540	0.5247	23.2677	685	0.0753	3.3391
400	0.0016	0.0689	545	0.5324	23.6099	690	0.0639	2.8342
405	0.0056	0.2499	550	0.5376	23.8413	695	0.0558	2.4742
410	0.0226	1.0021	555	0.5458	24.2044	700	0.0485	2.1514
415	0.0666	2.9526	560	0.5480	24.2997	705	0.0416	1.8447
420	0.1614	7.1570	565	0.5512	24.4408	710	0.0355	1.5738
425	0.3344	14.8306	570	0.5501	24.3955	715	0.0317	1.4064
430	0.5650	25.0548	575	0.5481	24.3030	720	0.0264	1.1726
435	0.8239	36.5355	580	0.5393	23.9163	725	0.0237	1.0489
440	0.9934	44.0522	585	0.5293	23.4724	730	0.0206	0.9124
445	0.9041	40.0925	590	0.5164	22.8982	735	0.0175	0.7750
450	0.5784	25.6489	595	0.4977	22.0709	740	0.0132	0.5871
455	0.3302	14.6428	600	0.4742	21.0259	745	0.0127	0.5630
460	0.2239	9.9290	605	0.4488	19.9019	750	0.0110	0.4856
465	0.1550	6.8728	610	0.4199	18.6198	755	0.0095	0.4202
470	0.1114	4.9392	615	0.3905	17.3144	760	0.0095	0.4227
475	0.0969	4.2986	620	0.3591	15.9237	765	0.0047	0.2064
480	0.0982	4.3567	625	0.3265	14.4785	770	0.0036	0.1581
485	0.1157	5.1309	630	0.2953	13.0961	775	0.0076	0.3371
490	0.1538	6.8191	635	0.2680	11.8838	780	0.0042	0.1842
495	0.2047	9.0771	640	0.2393	10.6106	785	0.0027	0.1216
500	0.2651	11.7543	645	0.2148	9.5232	790	0.0040	0.1785
505	0.3263	14.4683	650	0.1905	8.4491	795	0.0035	0.1549
510	0.3836	17.0121	655	0.1676	7.4315	800	0.0036	0.1592
515	0.4315	19.1358	660	0.1483	6.5752			
520	0.4655	20.6410	665	0.1305	5.7871			

Condition: Tx:24.1'C, Ti:22.5'C, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-03-22 17:29:48
 Inspector: