



Lightsource Test Report (1/2)

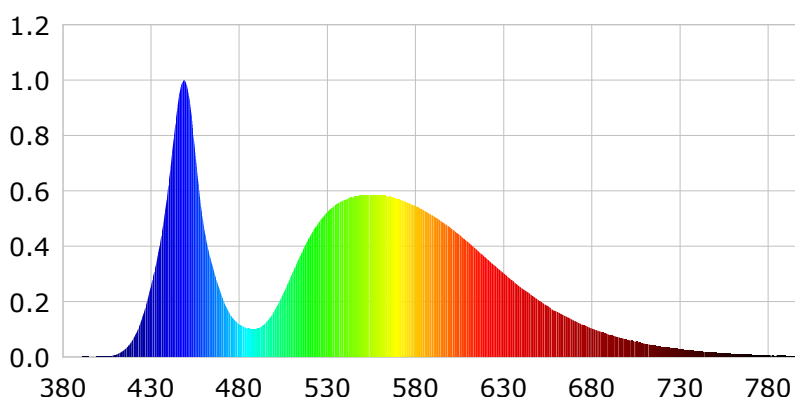
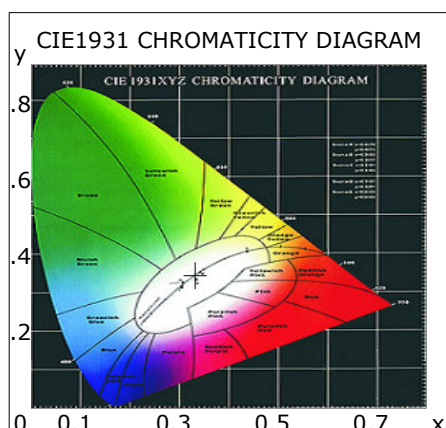
Product Information

Product Category: LED TUBE
Product Spec: LED TUBE T8 1500 C
Manufacturer: DIANID LTD

Product Type: LED TUBE T8 1500
Product Number: 38

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3318$ $y=0.3472$ $u(u')=0.2041$ $v=0.3203$ $v'=0.4805$
CCT: $T_c=5528K$ ($duv=0.00337$) Color Ratio: $R=0.132$ $G=0.836$ $B=0.032$
Peak Wavelength: 448.7nm Half Bandwidth: 21.9nm
Dominant Wavelength: 549.0nm Color Purity: 0.038
CRI: R_a : $R_a=71.6$, $avgR(1\sim14)=61.4$, $avgR(1\sim15)=62.0$
 $R1=72$ $R2=72$ $R3=68$ $R4=78$ $R5=72$ $R6=60$ $R7=82$ $R8=69$
 $R9=0$ $R10=29$ $R11=75$ $R12=31$ $R13=70$ $R14=81$ $R15=70$
Color Quality Scale: $Q_a=70.7$, $Q_f=69.8$, $Q_p=73.4$, $Q_g=89.4$
 $Q1=82$ $Q2=94$ $Q3=62$ $Q4=54$ $Q5=65$ $Q6=70$ $Q7=78$ $Q8=87$
 $Q9=87$ $Q10=72$ $Q11=65$ $Q12=68$ $Q13=71$ $Q14=63$ $Q15=71$



Photometric Parameters

Luminous Flux: 2512.01 lm Efficiency: 104.67 lm/W Radiant Power: 7.602 W
EEI: 0.13 Energy Efficiency Class: A+ (EU 874-2012)
Pupil Flux: 4035.28 Plm Pupil Lumens Per Watt: 168.14 Plm/W Pupil Factor (K_p): 1.606
Circupic Flux: 8283.31 lm
Mesopic Flux (CIE R.): 3171.10 lm ($L_p=0.100$ cd/m², $S/P=1.84$)
Mesopic Flux (USP): 3675.66 lm ($L_p=0.100$ cd/m², $S/P=1.84$)
Mesopic Flux (MOVE): 3282.75 lm ($L_p=0.100$ cd/m², $S/P=1.84$)

Electric Parameters

Voltage: 220.00V Current: 0.0300A Power: 24.00W
Power Factor: 0.9800 Frequency: 50.00Hz

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Sec

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI

Max of Signal: 46110 (2814)
Condition: $T_x=21.8^\circ C$, $T_i=20.9^\circ C$, R.H.:60%
Test Lab:
Operator:

CCD Integration Time: 83.77 ms
Test Device: Lisun LMS-9000A(Plus)
Test Time: 2017-05-30 10:43:20
Inspector:



Lightsource Test Report (2/2)

WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0006	0.0425	525	0.4848	35.5287	670	0.1318	9.6577
385	0.0011	0.0839	530	0.5246	38.4503	675	0.1163	8.5230
390	0.0009	0.0643	535	0.5524	40.4840	680	0.1039	7.6138
395	0.0013	0.0955	540	0.5687	41.6788	685	0.0915	6.7085
400	0.0018	0.1349	545	0.5786	42.4075	690	0.0808	5.9187
405	0.0033	0.2413	550	0.5841	42.8067	695	0.0720	5.2751
410	0.0088	0.6455	555	0.5857	42.9260	700	0.0629	4.6125
415	0.0271	1.9864	560	0.5827	42.7077	705	0.0553	4.0552
420	0.0666	4.8846	565	0.5783	42.3852	710	0.0485	3.5566
425	0.1416	10.3768	570	0.5706	41.8212	715	0.0420	3.0803
430	0.2573	18.8572	575	0.5595	41.0097	720	0.0364	2.6663
435	0.4090	29.9774	580	0.5457	39.9975	725	0.0329	2.4089
440	0.6320	46.3191	585	0.5291	38.7801	730	0.0283	2.0712
445	0.9078	66.5333	590	0.5098	37.3676	735	0.0244	1.7903
450	0.9891	72.4922	595	0.4882	35.7789	740	0.0219	1.6066
455	0.7400	54.2346	600	0.4657	34.1356	745	0.0177	1.2984
460	0.4678	34.2830	605	0.4410	32.3187	750	0.0153	1.1192
465	0.3238	23.7318	610	0.4142	30.3585	755	0.0133	0.9721
470	0.2229	16.3351	615	0.3863	28.3147	760	0.0112	0.8199
475	0.1530	11.2148	620	0.3574	26.1911	765	0.0098	0.7212
480	0.1186	8.6943	625	0.3301	24.1970	770	0.0089	0.6532
485	0.1036	7.5949	630	0.3019	22.1235	775	0.0078	0.5703
490	0.1035	7.5827	635	0.2765	20.2680	780	0.0059	0.4334
495	0.1245	9.1229	640	0.2505	18.3609	785	0.0065	0.4730
500	0.1681	12.3185	645	0.2272	16.6504	790	0.0047	0.3476
505	0.2303	16.8785	650	0.2042	14.9685	795	0.0044	0.3192
510	0.3019	22.1256	655	0.1840	13.4862	800	0.0034	0.2498
515	0.3709	27.1815	660	0.1652	12.1080			
520	0.4354	31.9128	665	0.1474	10.8036			

Condition: Tx:21.8'C, Ti:20.9'C, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2017-05-30 10:43:20
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