

Lightsource Test Report (1/2)

Product Information

Product Type: 3012-DR

Product Number: 41

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3270$ $y=0.3364$ $u(u')=0.2049$ $v=0.3162$ $v'=0.4743$

CCT: $T_c=5750K$ ($duv=0.00006$)

Color Ratio: $R=0.130$ $G=0.846$ $B=0.024$

Peak Wavelength: 440.1nm

Half Bandwidth: 22.5nm

Dominant Wavelength: 498.1nm

Color Purity: 0.020

CRI: $R_a=66.2$

TM30: $R_f=59$, $R_g=98$

$R1=68$

$R2=68$

$R3=66$

$R4=68$

$R5=69$

$R6=59$

$R7=72$

$R8=60$

$R9=-26$

$R10=23$

$R11=70$

$R12=38$

$R13=65$

$R14=81$

$R15=63$

Color Quality Scale: $Q_a=67.6$, $Q_f=64.6$, $Q_p=75.2$, $Q_g=93.0$

$Q1=78$

$Q2=87$

$Q3=57$

$Q4=57$

$Q5=68$

$Q6=69$

$Q7=72$

$Q8=87$

$Q9=83$

$Q10=63$

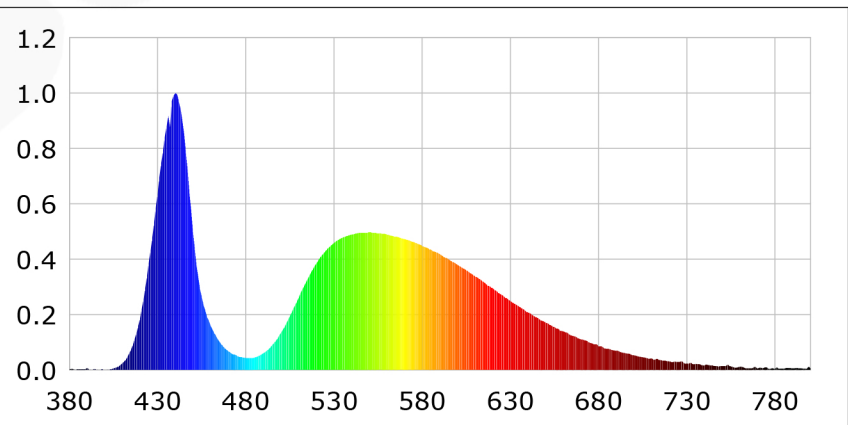
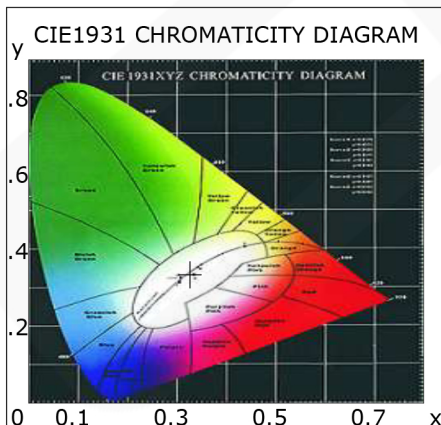
$Q11=59$

$Q12=63$

$Q13=68$

$Q14=59$

$Q15=67$



Photometric Parameters

Luminous Flux: 914.25 lm

Efficiency: 74.88 lm/W

Radiant Power: 2.873 W

EEI: 0.17

Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 12.09V

Current: 1.0101A

Power: 12.21W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Information

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 20 Sec

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 45197 (3487)

CCD Integration Time: 375.91 ms

Condition: $T_x:29.8^{\circ}C$, $T_i:28.2^{\circ}C$, R.H.:60%

Test Device: Inventfine CMS-2S (Plus)

Test Lab:

Test Time: 2020-04-28 15:54:07

Operator:

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	0.0030	0.0964	525	0.4286	13.6783	670	0.1109	3.5385
385	0.0025	0.0804	530	0.4594	14.6585	675	0.0983	3.1372
390	0.0082	0.2620	535	0.4787	15.2750	680	0.0851	2.7144
395	0.0024	0.0778	540	0.4896	15.6220	685	0.0774	2.4683
400	0.0009	0.0273	545	0.4957	15.8173	690	0.0695	2.2164
405	0.0058	0.1864	550	0.4994	15.9347	695	0.0614	1.9585
410	0.0254	0.8100	555	0.4935	15.7465	700	0.0540	1.7232
415	0.0745	2.3763	560	0.4900	15.6352	705	0.0473	1.5085
420	0.1860	5.9344	565	0.4820	15.3796	710	0.0431	1.3757
425	0.3858	12.3112	570	0.4733	15.1022	715	0.0374	1.1943
430	0.6354	20.2766	575	0.4632	14.7809	720	0.0315	1.0053
435	0.8797	28.0724	580	0.4478	14.2883	725	0.0294	0.9388
440	1.0000	31.9108	585	0.4348	13.8757	730	0.0253	0.8073
445	0.8464	27.0090	590	0.4178	13.3339	735	0.0235	0.7484
450	0.4987	15.9124	595	0.3993	12.7423	740	0.0168	0.5362
455	0.2613	8.3383	600	0.3802	12.1314	745	0.0163	0.5211
460	0.1613	5.1479	605	0.3607	11.5086	750	0.0146	0.4670
465	0.1026	3.2750	610	0.3382	10.7933	755	0.0132	0.4217
470	0.0694	2.2132	615	0.3176	10.1335	760	0.0125	0.4004
475	0.0516	1.6460	620	0.2956	9.4336	765	0.0062	0.1969
480	0.0441	1.4074	625	0.2722	8.6875	770	0.0048	0.1543
485	0.0460	1.4686	630	0.2497	7.9667	775	0.0113	0.3600
490	0.0621	1.9811	635	0.2300	7.3392	780	0.0042	0.1352
495	0.0910	2.9036	640	0.2090	6.6687	785	0.0053	0.1690
500	0.1357	4.3298	645	0.1899	6.0608	790	0.0058	0.1864
505	0.1963	6.2656	650	0.1719	5.4839	795	0.0077	0.2443
510	0.2624	8.3748	655	0.1560	4.9793	800	0.0059	0.1877
515	0.3283	10.4769	660	0.1406	4.4870			
520	0.3860	12.3169	665	0.1248	3.9814			

Condition: Tx:29.8°C, Ti:28.2°C, R.H.:60%
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