

Lightsource Test Report

Product Information

Product Category: 1402/10/03
Product Spec: s2

Product Type: full light 10w
Product Number: 3

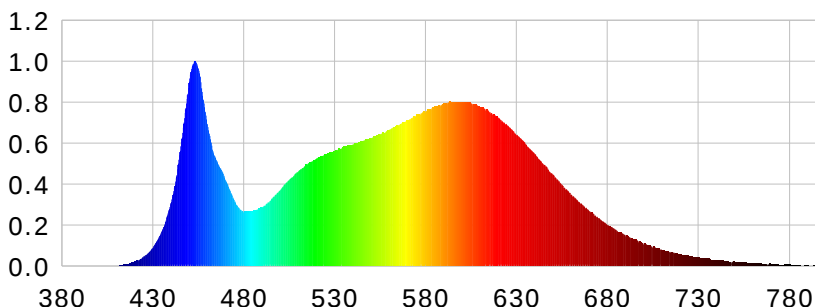
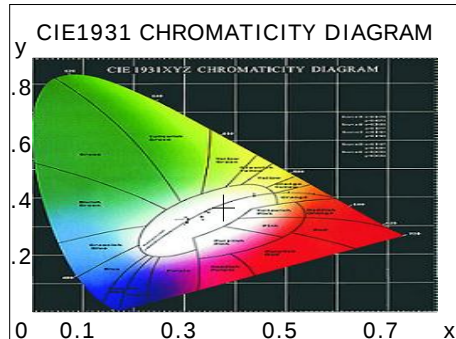
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3782$ $y=0.3686$ $u(u')=0.2269$ $v=0.3318$ $v'=0.4976$
CCT: $T_c=4000K$ ($duv=-0.00321$) Color Ratio: $R=0.191$ $G=0.769$ $B=0.040$
Peak Wavelength: 453.3nm Half Bandwidth: 22.2nm
Dominant Wavelength: 581.1nm Color Purity: 0.241
CRI: $R_a=86.4$ TM30: $R_f=85$, $R_g=96$
GAI: $GAI_BB_8=97.9$, $GAI_BB_15=104.5$, $GAI_EES=77.2$

R1 =86	R2 =93	R3 =96	R4 =85	R5 =86	R6 =89	R7 =86	R8 =70
R9 =26	R10=82	R11=84	R12=66	R13=88	R14=98	R15=82	

Color Quality Scale: $Q_a=84.5$, $Q_f=84.3$, $Q_p=85.1$, $Q_g=94.7$

Q1 =84	Q2 =98	Q3 =80	Q4 =77	Q5 =82	Q6 =85	Q7 =88	Q8 =90
Q9 =98	Q10=90	Q11=86	Q12=85	Q13=85	Q14=77	Q15=80	



Photometric Parameters

Luminous Flux: 799.66 lm
EEI: 0.17

Efficiency: 74.87 lm/W
Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 2.499 W

Electric Parameters

Voltage: 230.60V
Power Factor: 0.4550

Current: 0.1020A
Frequency: 49.99Hz

Power: 10.68W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC.: 1.0000
Max of Signal: 47209 (2187)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 228.66 ms

Condition: $T_x=21.6^\circ C$, $T_i=19.7^\circ C$, R.H.:60%
Test Lab: visena electric co
Operator: sepanta pouresmaeil

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2023-12-24 12:45:24
Inspector: