

Lightsource Test Report

Product Information

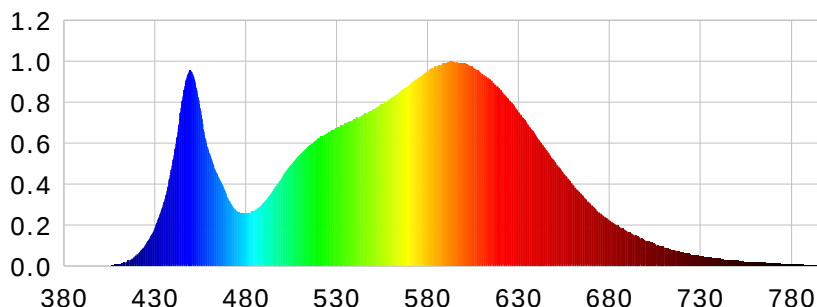
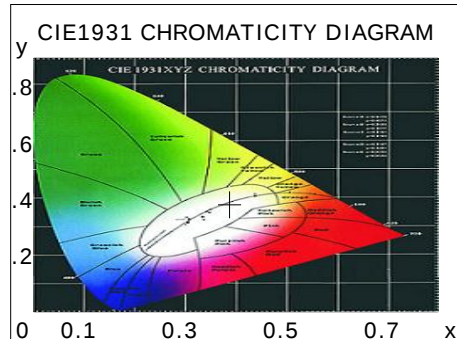
Product Category: 03.12.15
Product Spec: 42w nw s2

Product Type: aplast
Product Number: 56

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3884$ $y=0.3809$ $u(u')=0.2287$ $v=0.3364$ $v'=0.5046$
CCT: $T_c=3821K$ ($duv=-0.00030$) Color Ratio: $R=0.188$ $G=0.778$ $B=0.033$
Peak Wavelength: 596.0nm Half Bandwidth: 145.9nm
Dominant Wavelength: 579.9nm Color Purity: 0.309
CRI: $R_a=82.4$ TM30: $R_f=84$, $R_g=96$
GAI: $GAI_BB_8=93.6$, $GAI_BB_15=99.5$, $GAI_EES=71.0$

R1 =81	R2 =88	R3 =95	R4 =82	R5 =81	R6 =85	R7 =85	R8 =63
R9 =6	R10=73	R11=81	R12=65	R13=82	R14=97	R15=74	
Color Quality Scale: $Q_a=82.3$, $Q_f=82.4$, $Q_p=82.7$, $Q_g=93.2$							
Q1 =81	Q2 =99	Q3 =79	Q4 =77	Q5 =82	Q6 =83	Q7 =85	Q8 =88
Q9 =98	Q10=88	Q11=84	Q12=83	Q13=83	Q14=72	Q15=75	



Photometric Parameters

Luminous Flux: 2503.3 lm
EEI: 0.21

Efficiency: 63.94 lm/W
Energy Efficiency Class: A (EU 874-2012)

Radiant Power: 7.557 W

Electric Parameters

Voltage: 230.50V
Power Factor: 0.5460

Current: 0.3110A
Frequency: 49.99Hz

Power: 39.15W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Sec ALC.: 1.0000
Max of Signal: 46985 (1816)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 92.09 ms

Condition: Tx:16.8'C, Ti:16.5'C, R.H.:60%
Test Lab: visena electric co
Operator: sepanta pouresmail

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2025-03-05 11:36:34
Inspector: