

Lightsource Test Report

Product Information

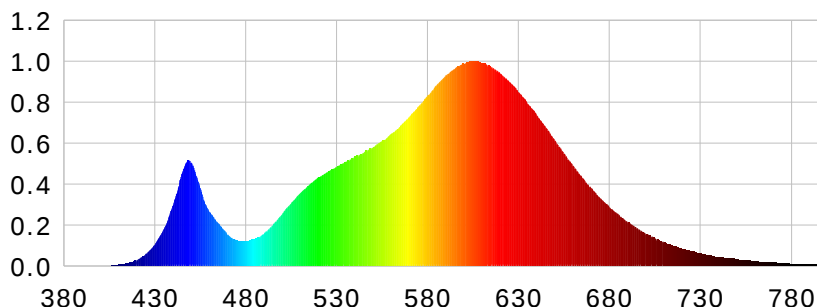
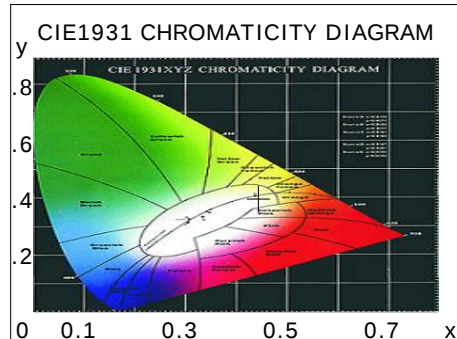
Product Category: 03.12.11
Product Spec: 30w ww s2

Product Type: spotlight
Product Number: 13

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4451$ $y=0.4015$ $u(u')=0.2570$ $v=0.3477$ $v'=0.5216$
CCT: $T_c=2846K$ ($duv=-0.00203$) Color Ratio: $R=0.241$ $G=0.739$ $B=0.020$
Peak Wavelength: 605.1nm Half Bandwidth: 127.2nm
Dominant Wavelength: 584.2nm Color Purity: 0.541
CRI: $R_a=82.3$ TM30: $R_f=82$, $R_g=99$
GAI: $GAI_BB_8=102.4$, $GAI_BB_15=107.4$, $GAI_EES=54.3$

R1 =81	R2 =90	R3 =96	R4 =81	R5 =81	R6 =88	R7 =82	R8 =60
R9 =9	R10=76	R11=81	R12=71	R13=83	R14=98	R15=74	
Color Quality Scale: $Q_a=80.9$, $Q_f=81.6$, $Q_p=84.9$, $Q_g=94.7$							
Q1 =76	Q2 =96	Q3 =80	Q4 =79	Q5 =82	Q6 =81	Q7 =80	Q8 =83
Q9 =96	Q10=87	Q11=84	Q12=82	Q13=82	Q14=72	Q15=73	



Photometric Parameters

Luminous Flux: 1689.6 lm
EEI: 0.23

Efficiency: 58.95 lm/W
Energy Efficiency Class: A (EU 874-2012)

Radiant Power: 5.206 W

Electric Parameters

Voltage: 230.30V
Power Factor: 0.5240

Current: 0.2370A
Frequency: 49.99Hz

Power: 28.66W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Sec ALC.: 1.0000
Max of Signal: 45765 (1662)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 175.02 ms

Condition: $T_x:12.7^{\circ}C$, $T_i:12.1^{\circ}C$, R.H.:60%
Test Lab: visena electric co
Operator: sepanta pouresmail

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2025-03-01 12:05:54
Inspector: