

Lightsource Test Report

Product Information

Product Category: 1403.04.11
Product Spec: WH

Product Type: Cob 80watt s1
Product Number: 180

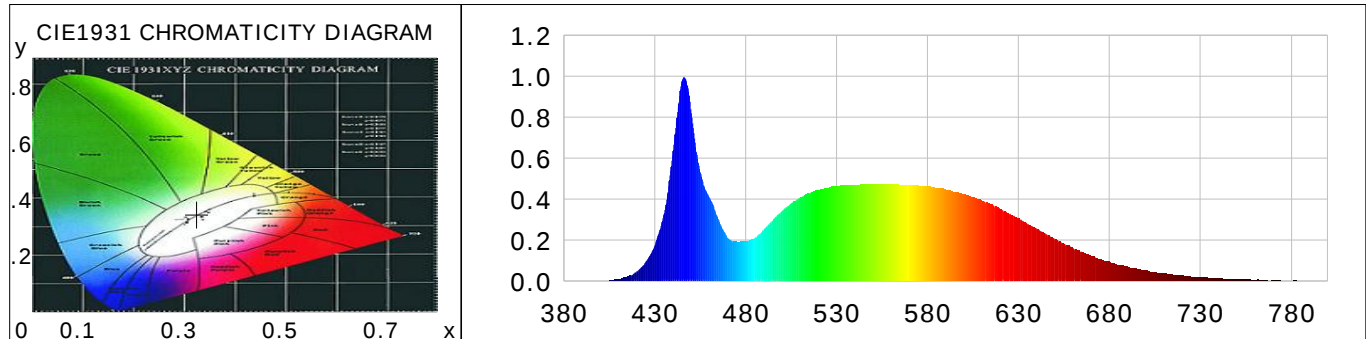
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3245$ $y=0.3435$ $u(u')=0.2005$ $v=0.3184$ $v'=0.4776$
CCT: $T_c=5852K$ ($duv=0.00484$) Color Ratio: $R=0.141$ $G=0.812$ $B=0.048$
Peak Wavelength: 446.2nm Half Bandwidth: 18.0nm
Dominant Wavelength: 507.9nm Color Purity: 0.027
CRI: $R_a=82.3$ TM30: $R_f=83$, $R_g=98$
GAI: $GAI_BB_8=92.4$, $GAI_BB_15=96.3$, $GAI_EES=87.1$

R1 =81	R2 =85	R3 =88	R4 =84	R5 =82	R6 =81	R7 =87	R8 =71
R9 =9	R10=65	R11=84	R12=62	R13=81	R14=94	R15=76	

Color Quality Scale: $Q_a=82.5$, $Q_f=82.2$, $Q_p=83.7$, $Q_g=93.7$

Q1 =85	Q2 =96	Q3 =77	Q4 =76	Q5 =83	Q6 =85	Q7 =86	Q8 =91
Q9 =95	Q10=85	Q11=82	Q12=82	Q13=83	Q14=72	Q15=77	



Photometric Parameters

Luminous Flux: 6007.7 lm
EEI: 0.18

Efficiency: 76.44 lm/W
Energy Efficiency Class: A (EU 874-2012)

Radiant Power: 19.021 W

Electric Parameters

Voltage: 230.80V
Power Factor: 0.9790

Current: 0.3480A
Frequency: 49.99Hz

Power: 78.59W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 ms ALC.: 1.0000
Max of Signal: 46687 (2404)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4PI
CCD Integration Time: 21.03 ms

Condition: $T_x=27.5^{\circ}C$, $T_i=27.6^{\circ}C$, R.H.:60%
Test Lab: visena electric co
Operator: sepanta pouresmaeil

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2024-07-01 17:34:20
Inspector: