

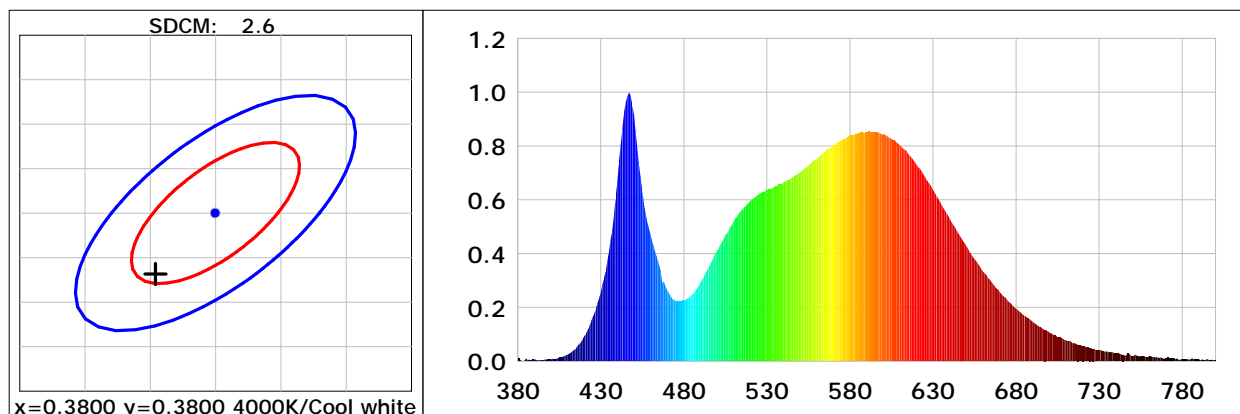
Lightsource Test Report

Product Information

Product Category: Down light 4000K 40W Product Number: 6

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3754$ $y=0.3732$ $u(u')=0.2232$ $v=0.3328$ $v'=0.4992$
CCT: $T_c=4115K$ ($duv=-0.00019$) Color Ratio: $R=0.178$ $G=0.788$ $B=0.034$
Peak Wavelength: 447.1nm Half Bandwidth: 21.4nm
Dominant Wavelength: 578.7nm Color Purity: 0.247
CRI: $R_a=81.7$, $avgR(1\sim14)=74.9$, $avgR(1\sim15)=74.9$ TM30: $R_f=81$, $R_g=97$
 $R1=80$ $R2=86$ $R3=92$ $R4=82$ $R5=81$ $R6=82$ $R7=85$ $R8=65$
 $R9=6$ $R10=68$ $R11=81$ $R12=64$ $R13=81$ $R14=95$ $R15=74$
Color Quality Scale: $Q_a=81.7$, $Q_f=81.6$, $Q_p=82.6$, $Q_g=93.9$
 $Q1=82$ $Q2=98$ $Q3=78$ $Q4=76$ $Q5=82$ $Q6=83$ $Q7=84$ $Q8=89$
 $Q9=97$ $Q10=86$ $Q11=83$ $Q12=82$ $Q13=82$ $Q14=71$ $Q15=75$



Photometric Parameters

Luminous Flux: 3489.06 lm Efficiency: 93.27 lm/W Radiant Power: 10.631 W
EEL: 0.15 Energy Efficiency Class: A+ (EU 874-2012)
Pupil Flux: 5237.91 Plm Pupil Lumens Per Watt: 140.01 Plm/W Pupil Factor (K_p): 1.501

Electric Parameters

Voltage: 218.40V Current: 0.1780A Power: 37.41W
Power Factor: 0.9650 Frequency: 50.00Hz

BIN: OUT

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 6 Sec
Max of Signal: 45182 (3897)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 2 π
CCD Integration Time: 535.77 ms

Condition: $T_x=28.8^\circ C$, $T_i=25.3^\circ C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2024-05-14 17:57:19
Inspector: