

Lightsource Test Report

Product Infomation

Product Category: DC24V G9 2700K

Product Number: 89

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4273$ $y=0.3936$ $u(u')=0.2488$ $v=0.3438$ $v'=0.5157$

CCT: $T_c=2754K$ ($duv=-0.00287$)

Color Ratio: $R=0.239$ $G=0.730$ $B=0.032$

Peak Wavelength: 618.1nm

Half Bandwidth: 158.7nm

Dominant Wavelength: 583.6nm

Color Purity: 0.464

CRI: $R_a=92.0$

TM30: $R_f=89$, $R_g=99$

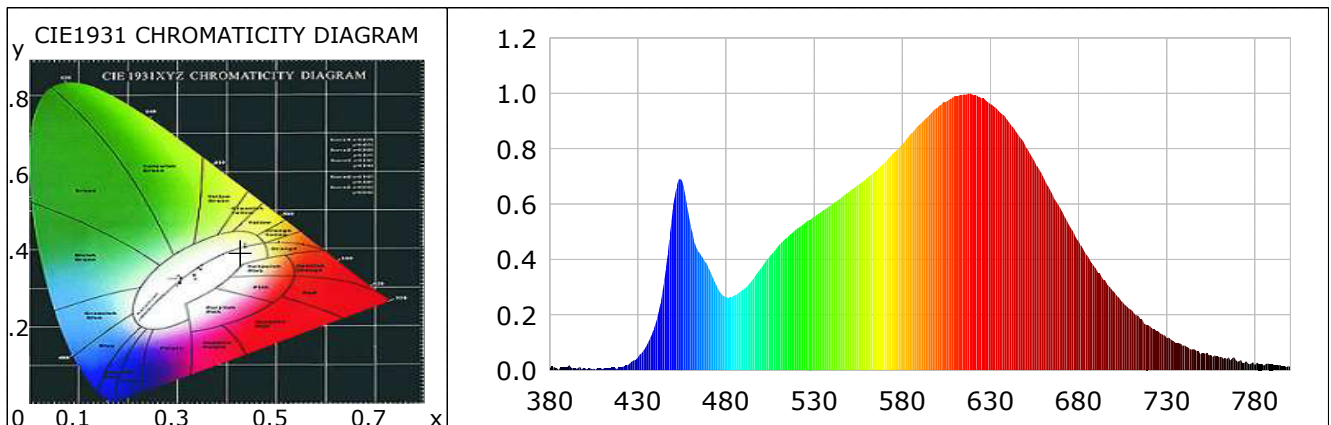
$R1=93$ $R2=97$ $R3=98$ $R4=91$ $R5=93$ $R6=95$ $R7=89$ $R8=80$

$R9=56$ $R10=93$ $R11=92$ $R12=79$ $R13=94$ $R14=99$ $R15=89$

Color Quality Scale: $Q_a=89.6$, $Q_f=90.3$, $Q_p=92.7$, $Q_g=96.9$

$Q1=88$ $Q2=96$ $Q3=87$ $Q4=85$ $Q5=89$ $Q6=91$ $Q7=91$ $Q8=91$

$Q9=97$ $Q10=93$ $Q11=91$ $Q12=90$ $Q13=90$ $Q14=86$ $Q15=87$



Photometric Parameters

Luminous Flux: 680.84 lm

Efficiency: 131.44 lm/W

Radiant Power: 2.322 W

EEI: 0.09

Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 24.00V

Current: 0.2160A

Power: 5.18W

Power Factor: 0.0000

Frequency: 0.00Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 46000 (5446)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4π

CCD Integration Time: 1635.62 ms

Condition: $T_x=0.0^{\circ}C$, $T_i=0.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2025-03-03 15:35:27

Inspector: