

Lightsource Test Report

Product Information

Product Category: KL-E14F-3_6W-3000

Product Number: 90

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4468$ $y=0.4164$ $u(u')=0.2516$ $v=0.3517$ $v'=0.5276$

CCT: $T_c=2938K$ ($duv=0.00351$)

Color Ratio: $R=0.244$ $G=0.731$ $B=0.025$

Peak Wavelength: 622.0nm

Half Bandwidth: 161.4nm

Dominant Wavelength: 582.0nm

Color Purity: 0.591

CRI: $R_a=91.7$

TM30: $R_f=90$, $R_g=97$

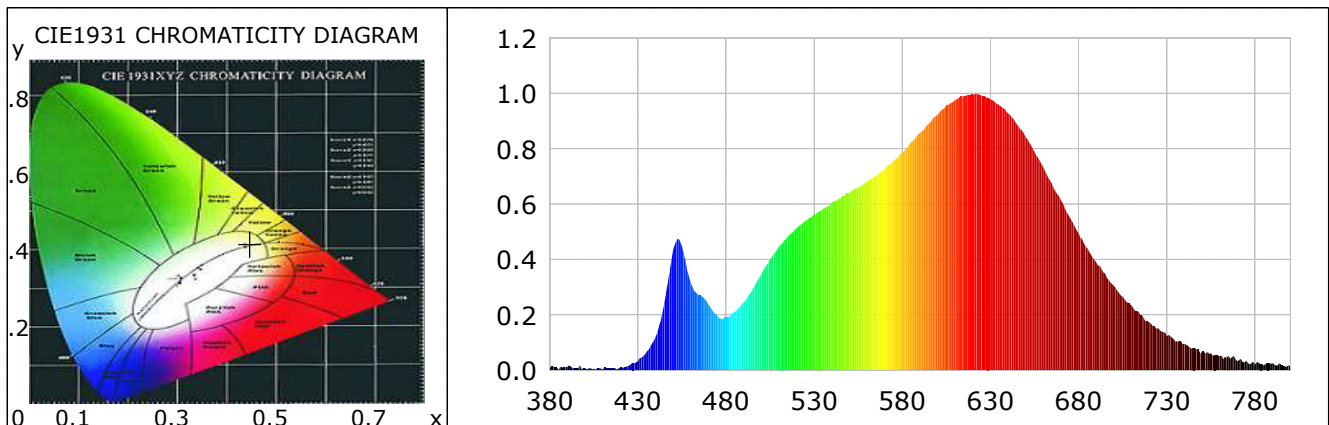
$R_1=92$ $R_2=94$ $R_3=96$ $R_4=93$ $R_5=91$ $R_6=94$ $R_7=93$ $R_8=81$

$R_9=55$ $R_{10}=86$ $R_{11}=94$ $R_{12}=75$ $R_{13}=92$ $R_{14}=97$ $R_{15}=87$

Color Quality Scale: $Q_a=90.9$, $Q_f=92.7$, $Q_p=91.4$, $Q_g=93.0$

$Q_1=88$ $Q_2=96$ $Q_3=90$ $Q_4=89$ $Q_5=91$ $Q_6=92$ $Q_7=93$ $Q_8=95$

$Q_9=96$ $Q_{10}=92$ $Q_{11}=92$ $Q_{12}=93$ $Q_{13}=93$ $Q_{14}=86$ $Q_{15}=87$



Photometric Parameters

Luminous Flux: 487.69 lm
EEI: 0.08

Efficiency: 136.38 lm/W

Radiant Power: 1.642 W

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

Electric Parameters

Voltage: 24.00V
Power Factor: 0.0000

Current: 0.1490A
Frequency: 0.00Hz

Power: 3.58W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 42310 (5527)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4 π
CCD Integration Time: 2119.38 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 15:36:35

Inspector: