

Lightsource Test Report

Product Information

Product Category: KL-E14-3_6W-3000

Product Number: 91

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4431$ $y=0.4143$ $u(u')=0.2501$ $v=0.3508$ $v'=0.5263$

CCT: $T_c=2982K$ ($duv=0.00320$)

Color Ratio: $R=0.242$ $G=0.732$ $B=0.027$

Peak Wavelength: 621.5nm

Half Bandwidth: 163.3nm

Dominant Wavelength: 581.8nm

Color Purity: 0.574

CRI: $R_a=92.2$

TM30: $R_f=89$, $R_g=97$

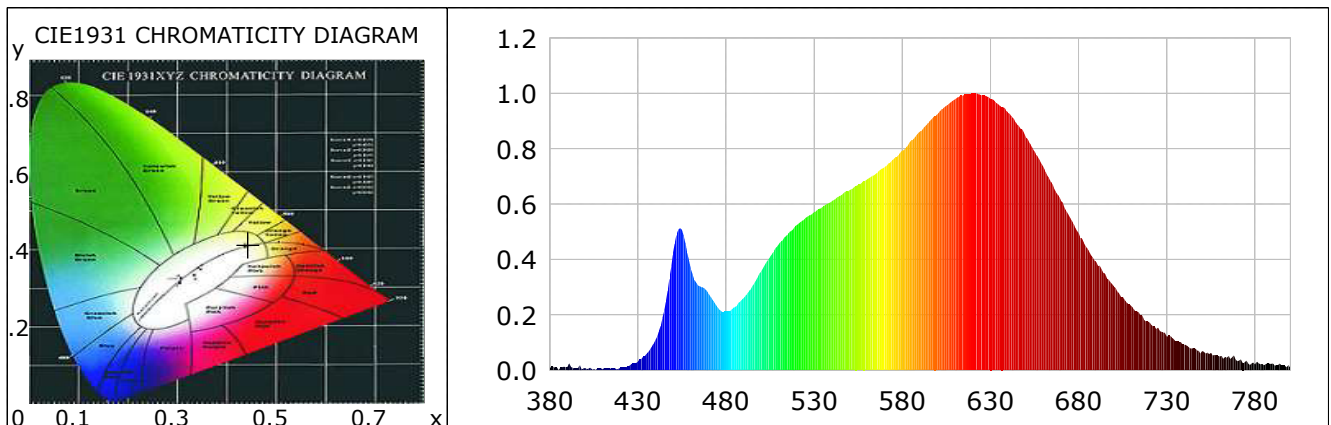
$R_1=92$ $R_2=95$ $R_3=97$ $R_4=93$ $R_5=91$ $R_6=94$ $R_7=93$ $R_8=82$

$R_9=57$ $R_{10}=88$ $R_{11}=94$ $R_{12}=75$ $R_{13}=93$ $R_{14}=98$ $R_{15}=87$

Color Quality Scale: $Q_a=91.1$, $Q_f=92.8$, $Q_p=91.7$, $Q_g=93.1$

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

$Q_9=96$ $Q_{10}=93$ $Q_{11}=93$ $Q_{12}=93$ $Q_{13}=93$ $Q_{14}=87$ $Q_{15}=88$



Photometric Parameters

Luminous Flux: 504.75 lm
EEI: 0.08

Efficiency: 141.15 lm/W

Radiant Power: 1.701 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: 43435 (5583)

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 15:37:50

Inspector: