

# Lightsource Test Report

## Product Information

Product Category: KL-A60F-6W-4000

Product Number: 4000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3879$   $y=0.3929$   $u(u')=0.2236$   $v=0.3397$   $v'=0.5096$

CCT:  $T_c=3923K$  ( $duv=0.00525$ )

Color Ratio:  $R=0.197$   $G=0.761$   $B=0.042$

Peak Wavelength: 453.9nm

Half Bandwidth: 26.3nm

Dominant Wavelength: 577.0nm

Color Purity: 0.344

CRI:  $R_a=93.2$

TM30:  $R_f=89$ ,  $R_g=96$

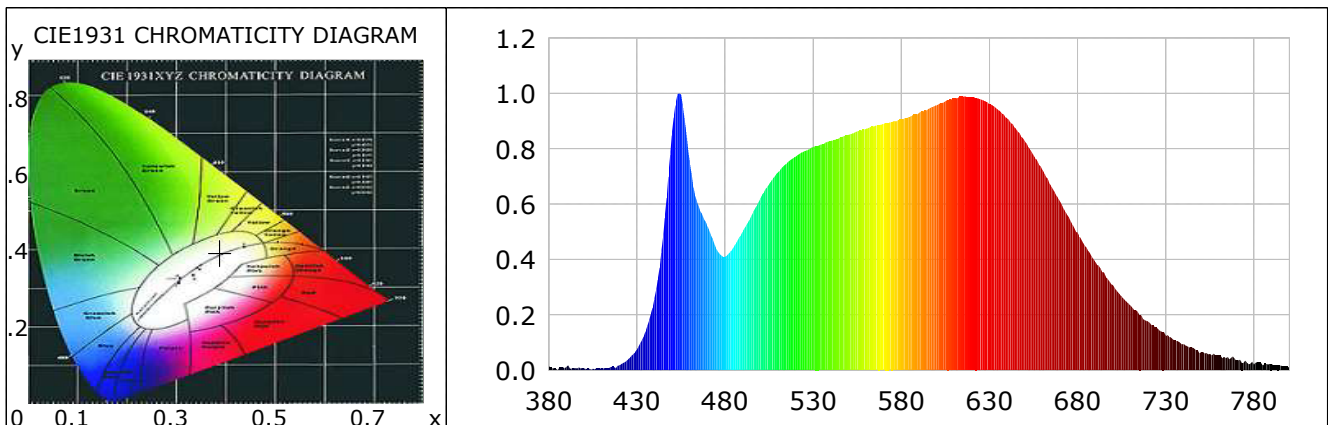
$R_1=93$   $R_2=96$   $R_3=98$   $R_4=92$   $R_5=92$   $R_6=94$   $R_7=94$   $R_8=86$

$R_9=66$   $R_{10}=89$   $R_{11}=93$   $R_{12}=70$   $R_{13}=94$   $R_{14}=99$   $R_{15}=89$

Color Quality Scale:  $Q_a=92.9$ ,  $Q_f=93.0$ ,  $Q_p=92.3$ ,  $Q_g=94.9$

$Q_1=89$   $Q_2=96$   $Q_3=92$   $Q_4=89$   $Q_5=91$   $Q_6=92$   $Q_7=94$   $Q_8=96$

$Q_9=96$   $Q_{10}=95$   $Q_{11}=96$   $Q_{12}=97$   $Q_{13}=97$   $Q_{14}=91$   $Q_{15}=91$



## Photometric Parameters

Luminous Flux: 815.97 lm

Efficiency: 131.61 lm/W

Radiant Power: 2.732 W

EEI: 0.10

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

## Electric Parameters

Voltage: 24.00V

Current: 0.2600A

Power: 6.20W

Power Factor: 0.0000

Frequency: 0.00Hz

## Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 43942 (4970)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 1371.39 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: 2025-01-09 15:42:45

Inspector: