

# Lightsource Test Report

## Product Information

Product Category: KL-CORN-15W-4000

Product Number: 4000K

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3695$   $y=0.3692$   $u(u')=0.2209$   $v=0.3311$   $v'=0.4966$

CCT:  $T_c=4182K$  ( $duv=-0.00023$ )

Color Ratio:  $R=0.191$   $G=0.763$   $B=0.046$

Peak Wavelength: 453.9nm

Half Bandwidth: 24.6nm

Dominant Wavelength: 578.2nm

Color Purity: 0.217

CRI:  $R_a=93.9$

TM30:  $R_f=88$ ,  $R_g=98$

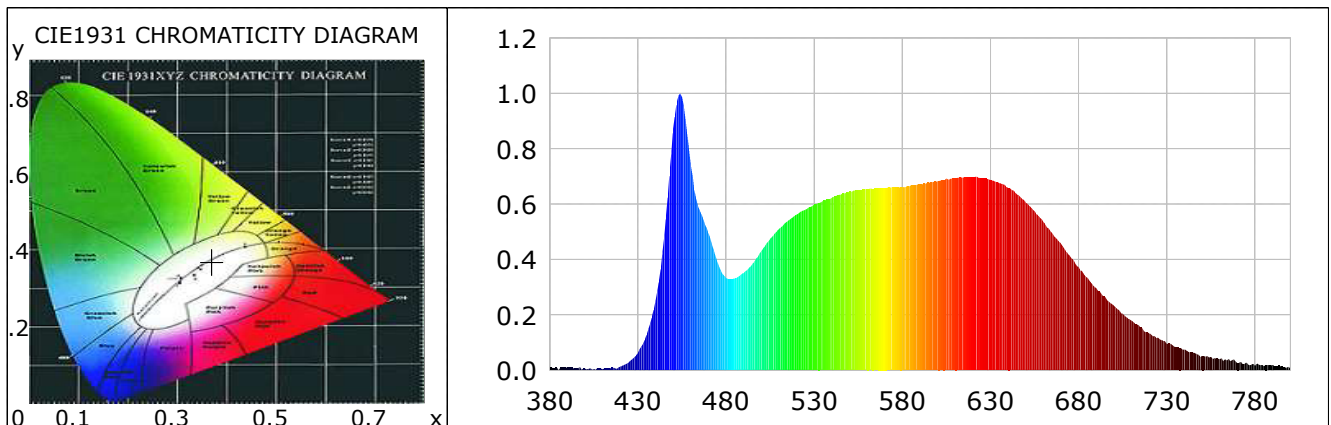
$R_1=95$   $R_2=97$   $R_3=96$   $R_4=93$   $R_5=93$   $R_6=93$   $R_7=95$   $R_8=90$

$R_9=76$   $R_{10}=91$   $R_{11}=92$   $R_{12}=67$   $R_{13}=96$   $R_{14}=98$   $R_{15}=93$

Color Quality Scale:  $Q_a=91.7$ ,  $Q_f=91.4$ ,  $Q_p=92.0$ ,  $Q_g=97.8$

$Q_1=91$   $Q_2=98$   $Q_3=86$   $Q_4=83$   $Q_5=88$   $Q_6=91$   $Q_7=94$   $Q_8=96$

$Q_9=98$   $Q_{10}=95$   $Q_{11}=94$   $Q_{12}=95$   $Q_{13}=95$   $Q_{14}=93$   $Q_{15}=93$



## Photometric Parameters

Luminous Flux: 2165.53 lm  
WEEI: 0.09

Efficiency: 138.55 lm/W

Radiant Power: 7.296

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

## Electric Parameters

Voltage: 24.00V  
Power Factor: 0.0000

Current: 0.6512A  
Frequency: 0.00Hz

Power: 15.63W

### Test Information

Scan Range: 380~800:1nm  
Stabilization Time: 0 Min  
Max of Signal: 47922 (5446)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$   
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: 2025-04-01 17:32:38

Inspector: