

Lightsource Test Report

Product Information

Product Spec: KL-LP170R-12W-4000K-WH

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3850$ $y=0.3779$ $u(u')=0.2276$ $v=0.3352$ $v'=0.5027$

CCT: $T_c=3987K$ ($duv=-0.00077$)

Color Ratio: $R=0.203$ $G=0.754$ $B=0.043$

Peak Wavelength: 454nm

Half Bandwidth: 25.3nm

Dominant Wavelength: 579.9nm

Color Purity: 0.289

Color Render Index: $R_a=93.8$, $CRI=91.0$

$R1=95$

$R2=98$

$R3=97$

$R4=92$

$R5=93$

$R6=94$

$R7=93$

$R8=88$

$R9=72$

$R10=92$

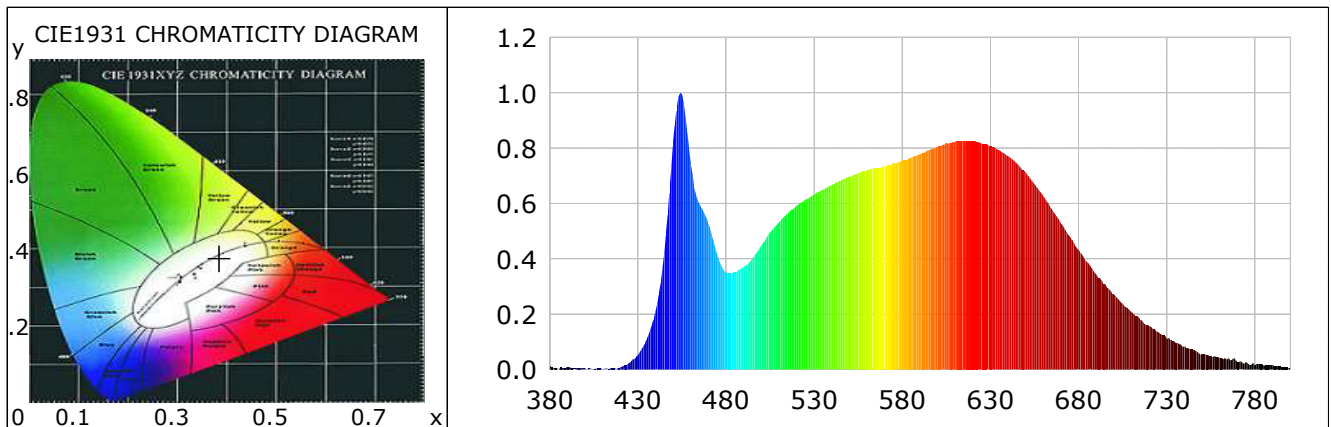
$R11=92$

$R12=70$

$R13=96$

$R14=98$

$R15=93$



Photometric Parameters

Luminous Flux: 1143.49 lm

Efficiency: 94.66 lm/W

Radiant Power: 3.960 W

Electric Parameters

Voltage: 24.00V

Current: 0.5033A

Power: 12.08W

Power Factor: 0.0000

Frequency: 0.00Hz

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 ms

Photometric Condition: Sphere diameter: 2.00m, 4 π

Max of Signal: 42635 (5320)

CCD Integration Time: 818.14 ms

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

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2025-08-18 15:07:43

Inspector: