

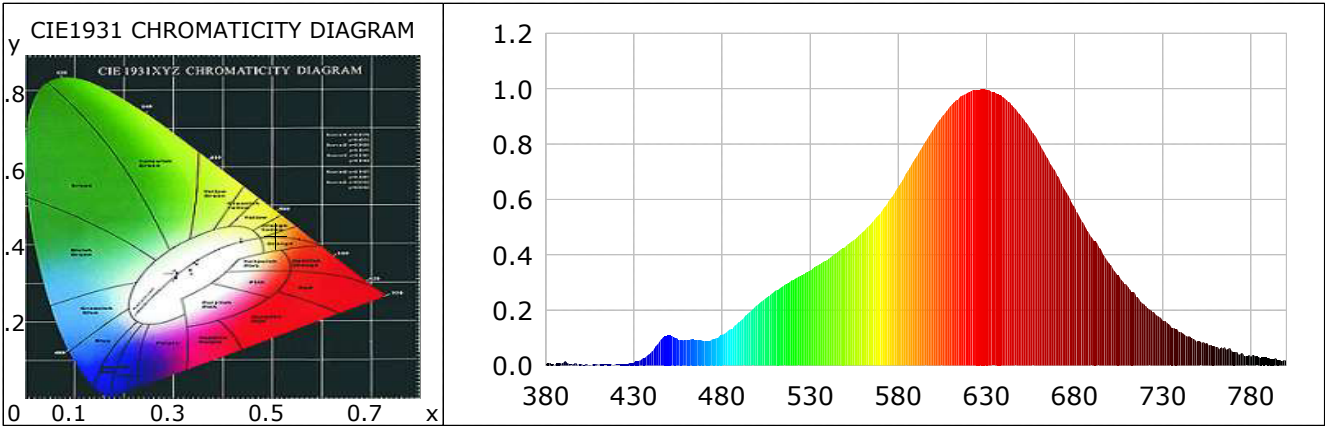
Lightsource Test Report

Product Information

Product Category: KL-PS-ARA-12W-BK Product Number: 2000K
Manufacturer:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5075$ $y=0.4257$ $u(u')=0.2861$ $v=0.3601$ $v'=0.5401$
CCT: $T_c=2108K$ ($duv=0.00328$) Color Ratio: $R=0.307$ $G=0.677$ $B=0.017$
Peak Wavelength: 627nm Half Bandwidth: 123.8nm
Dominant Wavelength: 585.9nm Color Purity: 0.802
Color Render Index: $R_a=91.3$, $CRI=88.1$
 $R1=91$ $R2=96$ $R3=98$ $R4=92$ $R5=92$ $R6=99$ $R7=89$ $R8=76$
 $R9=50$ $R10=91$ $R11=95$ $R12=91$ $R13=92$ $R14=99$ $R15=84$



Photometric Parameters

Luminous Flux: 439.90 lm Efficiency: 71.88 lm/W Radiant Power: 1.771 W

Electric Parameters

Voltage: 24.00V Current: 0.2550A Power: 6.12W
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, 4π
Max of Signal: 47307 (5573) CCD Integration Time: 1741.85 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: 2025-05-29 19:10:23
Inspector:

Lightsource Test Report

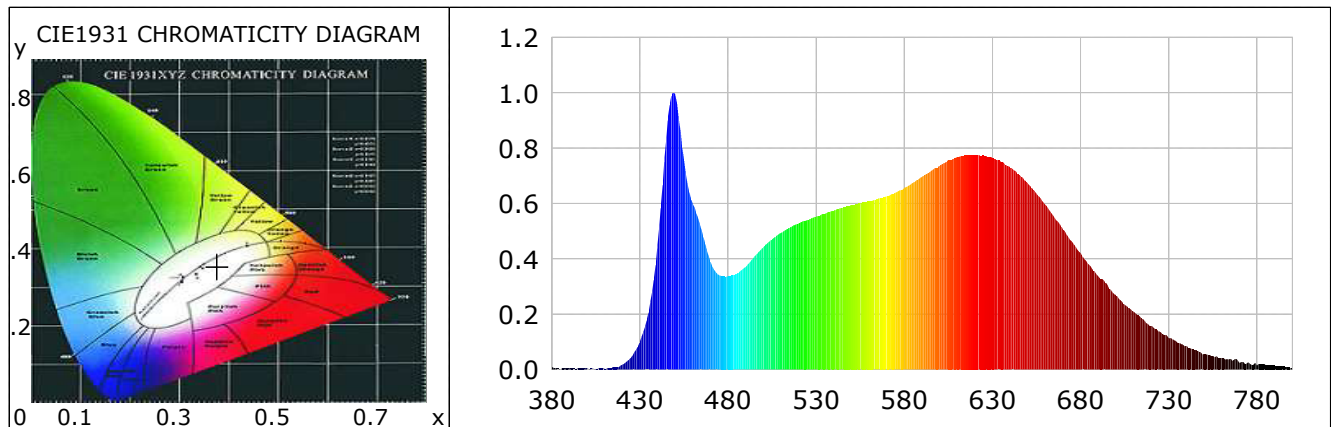
Product Information

Product Category: KL-PS-ARA-12W-BK
Manufacturer:

Product Number:4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3766$ $y=0.3557$ $u(u')=0.2312$ $v=0.3276$ $v'=0.4914$
CCT: $T_c=4019K$ ($duv=-0.00907$) Color Ratio: $R=0.214$ $G=0.740$ $B=0.046$
Peak Wavelength: 449nm Half Bandwidth: 24.4nm
Dominant Wavelength: 586.2nm Color Purity: 0.197
Color Render Index: $R_a=96.2$, $CRI=92.2$
 $R1=97$ $R2=97$ $R3=97$ $R4=97$ $R5=98$ $R6=94$ $R7=95$ $R8=96$
 $R9=93$ $R10=96$ $R11=95$ $R12=82$ $R13=97$ $R14=98$ $R15=98$



Photometric Parameters

Luminous Flux: 1024.59 lm Efficiency: 83.64 lm/W Radiant Power: 4.021 W

Electric Parameters

Voltage: 24.00V Current: 0.5104A Power: 12.25W
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: 44950 (5120) CCD Integration Time: 784.38 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2025-05-29 19:12:17
Inspector:

Lightsource Test Report

Product Information

Product Category: KL-PS-ARA-12W-BK

Product Number: 6000K

Manufacturer:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3026$ $y=0.3167$ $u(u')=0.1954$ $v=0.3067$ $v'=0.4601$

CCT: $T_c=6048K$ ($duv=0.00209$)

Color Ratio: $R=0.143$ $G=0.789$ $B=0.068$

Peak Wavelength: 449nm

Half Bandwidth: 23.5nm

Dominant Wavelength: 484.4nm

Color Purity: 0.117

Color Render Index: $R_a=93.3$, $CRI=90.6$

$R1=95$

$R2=93$

$R3=85$

$R4=99$

$R5=93$

$R6=86$

$R7=97$

$R8=99$

$R9=91$

$R10=80$

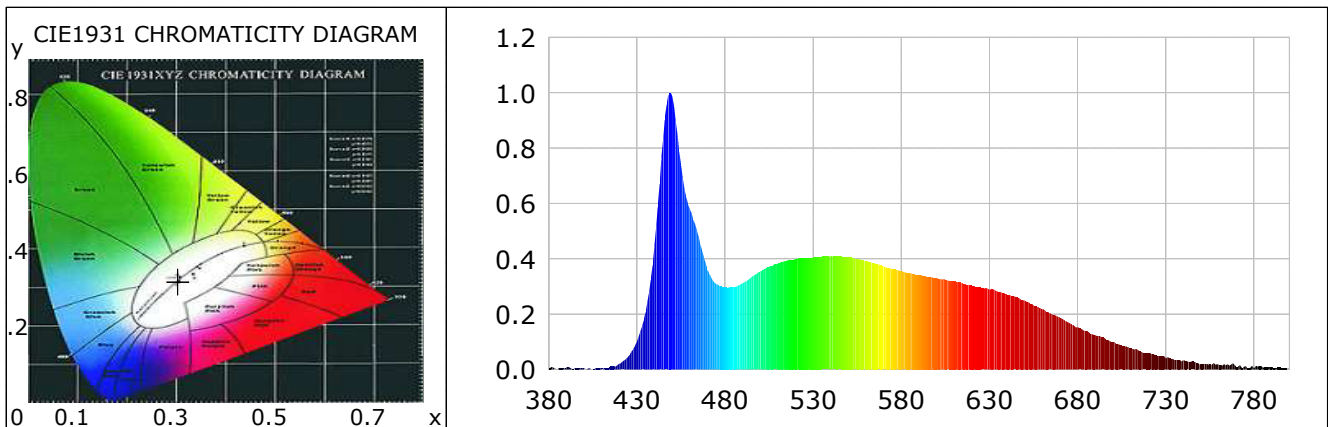
$R11=97$

$R12=60$

$R13=95$

$R14=92$

$R15=97$



Photometric Parameters

Luminous Flux: 576.42 lm

Efficiency: 93.88 lm/W

Radiant Power: 2.309 W

Electric Parameters

Voltage: 24.00V

Current: 0.2558A

Power: 6.14W

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: 43187 (5179)

CCD Integration Time: 784.38 ms

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

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2025-05-29 19:16:11

Inspector: