

Lightsource Test Report

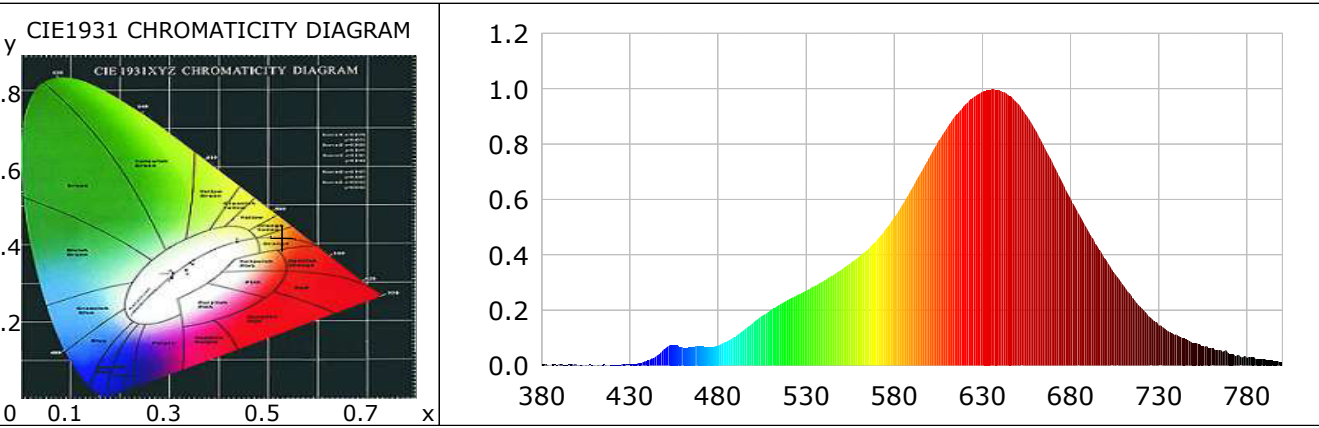
Product Information

Product Spec: KL-LP300S-24W-WH

Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5290$ $y=0.4208$ $u(u')=0.3027$ $v=0.3611$ $v'=0.5417$
CCT: $T_c=2018K$ ($duv=0.00227$) Color Ratio: $R=0.342$ $G=0.644$ $B=0.013$
Peak Wavelength: 636nm Half Bandwidth: 112.8nm
Dominant Wavelength: 607.8nm Color Purity: 0.851
Color Render Index: $R_a=93.5$, $CRI=91.8$
 $R1=94$ $R2=98$ $R3=99$ $R4=95$ $R5=95$ $R6=97$ $R7=90$ $R8=80$
 $R9=59$ $R10=95$ $R11=98$ $R12=95$ $R13=95$ $R14=98$ $R15=87$



Photometric Parameters

Luminous Flux: 1047.18 lm Efficiency: 83.11 lm/W Radiant Power: 4.365 W

Electric Parameters

Voltage: 24.00V Current: 0.5250A Power: 12.60W
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: 43333 (5330) CCD Integration Time: 620.58 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 16:18:53
Inspector:

Lightsource Test Report

Product Information

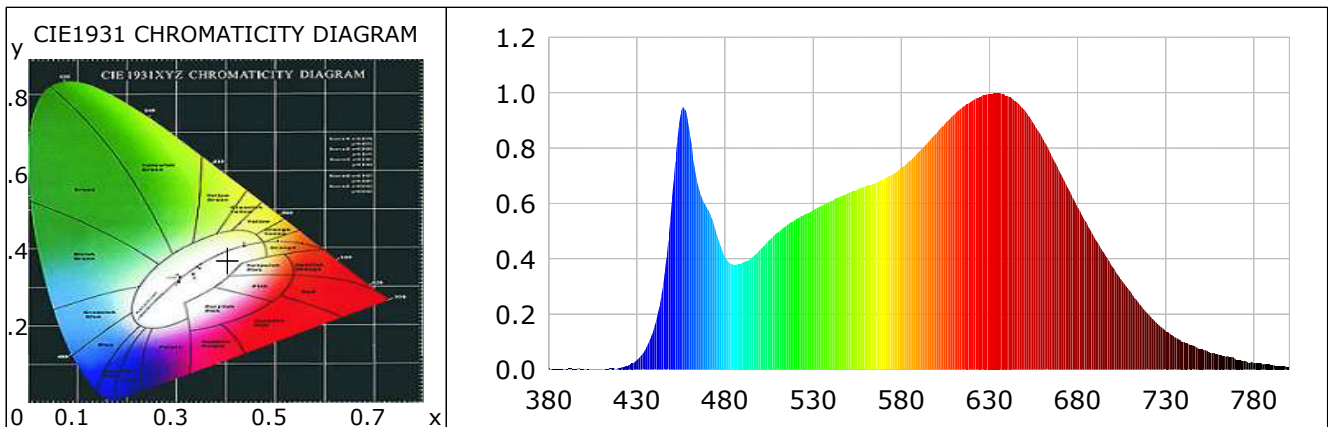
Product Spec: KL-LP300S-24W-WH

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4036$ $y=0.3715$ $u(u')=0.2427$ $v=0.3352$ $v'=0.5027$
CCT: $T_c=3399K$ ($duv=-0.00829$) Color Ratio: $R=0.240$ $G=0.715$ $B=0.044$
Peak Wavelength: 634nm Half Bandwidth: 176.8nm
Dominant Wavelength: 585.6nm Color Purity: 0.327
Color Render Index: $R_a=94.0$, $CRI=92.7$

R1 =94	R2 =93	R3 =96	R4 =98	R5 =93	R6 =89	R7 =93	R8 =96
R9 =94	R10=88	R11=96	R12=76	R13=93	R14=99	R15=93	



Photometric Parameters

Luminous Flux: 2355.38 lm

Efficiency: 94.67 lm/W

Radiant Power: 9.254 W

Electric Parameters

Voltage: 24.00V

Current: 1.0366A

Power: 24.88W

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: 44536 (5100)

CCD Integration Time: 385.74 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 16:19:45

Inspector:

Lightsource Test Report

Product Information

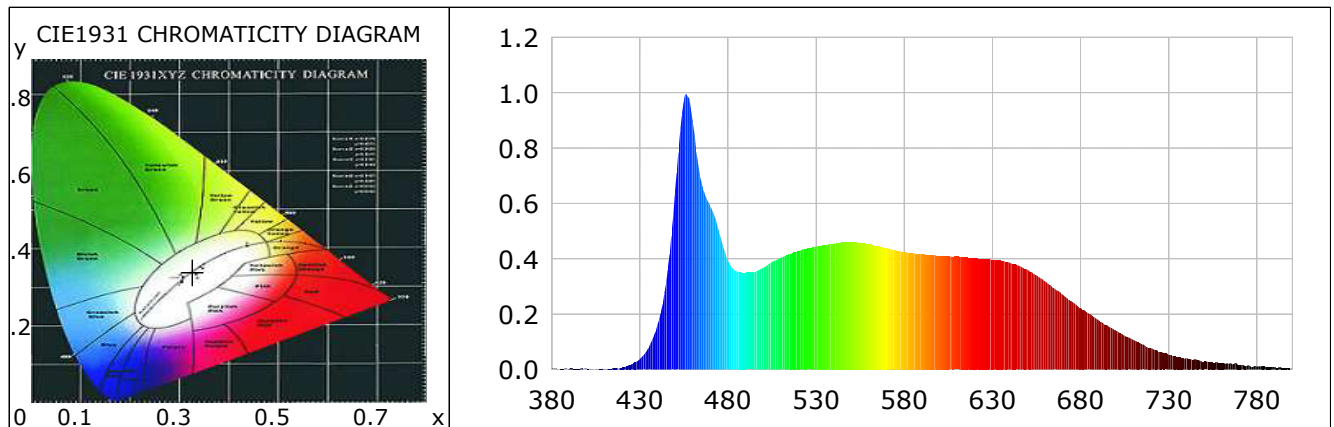
Product Spec: KL-LP300S-24W-WH

Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3263$ $y=0.3411$ $u(u')=0.2027$ $v=0.3178$ $v'=0.4766$
CCT: $T_c=5774K$ ($duv=0.00278$) Color Ratio: $R=0.162$ $G=0.770$ $B=0.068$
Peak Wavelength: 456nm Half Bandwidth: 26.8nm
Dominant Wavelength: 507.1nm Color Purity: 0.021
Color Render Index: $R_a=92.5$, $CRI=90.9$

R1 =94	R2 =99	R3 =94	R4 =88	R5 =90	R6 =92	R7 =92	R8 =91
R9 =93	R10=94	R11=92	R12=59	R13=98	R14=95	R15=92	



Photometric Parameters

Luminous Flux: 1287.02 lm Efficiency: 103.96 lm/W Radiant Power: 5.088 W

Electric Parameters

Voltage: 24.00V Current: 0.5158A Power: 12.38W
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: 42894 (5139) CCD Integration Time: 385.74 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 16:20:45
Inspector: