

## Lightsource Test Report

### Product Information

Product Type: CCT DC24V 12W 2000K

Product Spec: 2000-6000K

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5279$   $y=0.4177$   $u(u')=0.3035$   $v=0.3603$   $v'=0.5404$

CCT:  $T_c=2018K$  ( $duv=0.00133$ )

Color Ratio:  $R=0.344$   $G=0.642$   $B=0.014$

Peak Wavelength: 630nm

Half Bandwidth: 111.5nm

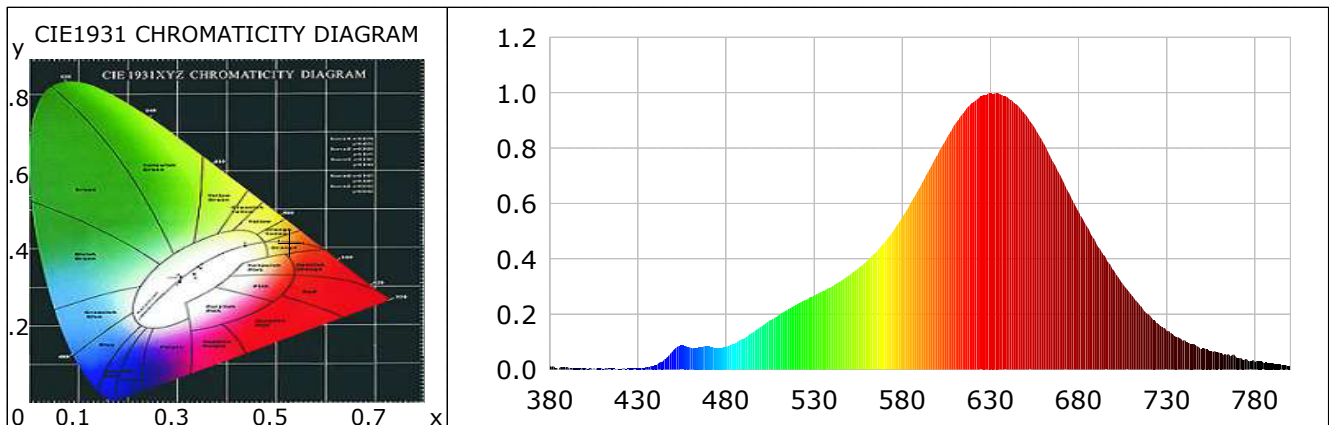
Dominant Wavelength: 588.3nm

Color Purity: 0.839

Color Render Index:  $R_a=81.9$ ,  $CRI=80.2$

$R1=83$   $R2=88$   $R3=87$   $R4=83$   $R5=84$   $R6=86$   $R7=77$   $R8=66$

$R9=13$   $R10=85$   $R11=87$   $R12=83$   $R13=84$   $R14=89$   $R15=76$



### Photometric Parameters

Luminous Flux: 514.40 lm

Efficiency: 82.75 lm/W

Radiant Power: 2.031 W

### Electric Parameters

Voltage: 24.00V

Current: 0.2590A

Power: 6.22W

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: 42915 (4973)

CCD Integration Time: 1406.45 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: 2023-05-22 15:55:19

Inspector:

## Lightsource Test Report

### Product Information

Product Type: CCT DC24V 12W 4000K

Product Spec: 2000-6000K

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4048$   $y=0.3730$   $u(u')=0.2429$   $v=0.3357$   $v'=0.5036$

CCT:  $T_c=3357K$  ( $duv=-0.00785$ )

Color Ratio: R=0.239 G=0.721 B=0.040

Peak Wavelength: 630nm

Half Bandwidth: 178.2nm

Dominant Wavelength: 585.4nm

Color Purity: 0.334

Color Render Index: Ra= 85.9, CRI= 84.9

R1 =86 R2 =86 R3 =88 R4 =87

R5 =86

R6 =82

R7 =85

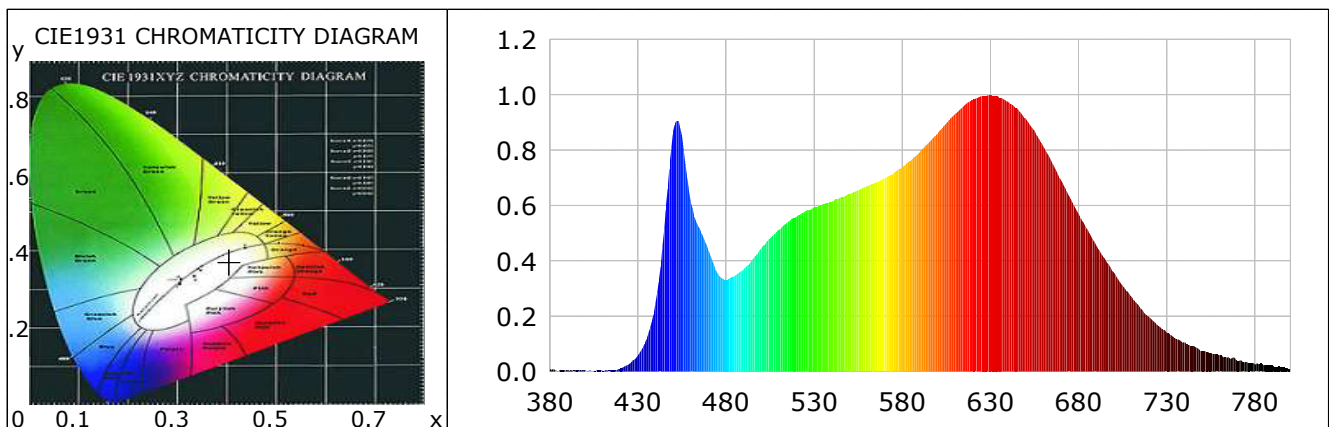
R8 =87

R9 =17 R10=83 R11=84 R12=72

R13=85

R14=89

R15=86



### Photometric Parameters

Luminous Flux: 1166.68 lm

Efficiency: 96.10 lm/W

Radiant Power: 4.335 W

### Electric Parameters

Voltage: 24.00V

Current: 0.5060A

Power: 12.14W

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, 4π

Max of Signal: 49902 (4827)

CCD Integration Time: 1029.80 ms

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

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2023-05-22 15:59:19

Inspector:

## Lightsource Test Report

### Product Information

Product Type: CCT DC24V 12W 6000K

Product Spec: 2000-6000K

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3287$   $y=0.3449$   $u(u')=0.2028$   $v=0.3193$   $v'=0.4789$

CCT:  $T_c=5664K$  ( $duv=0.00364$ )

Peak Wavelength: 452nm

Dominant Wavelength: 528.6nm

Color Render Index:  $R_a=83.6$ ,  $CRI=81.2$

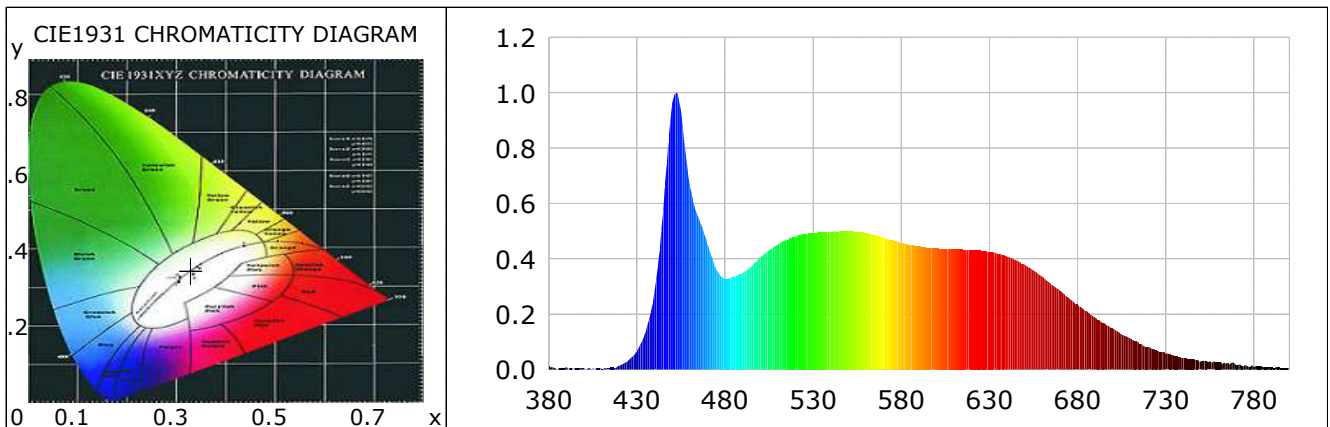
Color Ratio:  $R=0.160$   $G=0.780$   $B=0.060$

Half Bandwidth: 23.9nm

Color Purity: 0.024

$R_1=85$     $R_2=84$     $R_3=78$     $R_4=86$     $R_5=83$     $R_6=78$     $R_7=87$     $R_8=87$

$R_9=14$     $R_{10}=73$     $R_{11}=88$     $R_{12}=49$     $R_{13}=86$     $R_{14}=83$     $R_{15}=86$



### Photometric Parameters

Luminous Flux: 671.02 lm

Efficiency: 107.54 lm/W

Radiant Power: 2.370 W

### Electric Parameters

Voltage: 24.00V

Current: 0.2600A

Power: 6.24W

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: 49064 (4894)

CCD Integration Time: 1195.48 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: 2023-05-22 16:02:19

Inspector: