

Lightsource Test Report

Product Information

Product Type: Ceiling light SATURN 24V Dual White D600mm 72W Product Number: 2000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5208$ $y=0.4203$ $u(u')=0.2975$ $v=0.3602$ $v'=0.5402$

CCT: $T_c=2108K$ ($duv=0.00185$)

Color Ratio: $R=0.331$ $G=0.654$ $B=0.015$

Peak Wavelength: 628nm

Half Bandwidth: 115.8nm

Dominant Wavelength: 587.5nm

Color Purity: 0.825

Color Render Index: $R_a=91.6$, $CRI=92.3$

R1 =93

R2 =97

R3 =98

R4 =93

R5 =94

R6 =98

R7 =88

R8 =77

R9 =54

R10=94

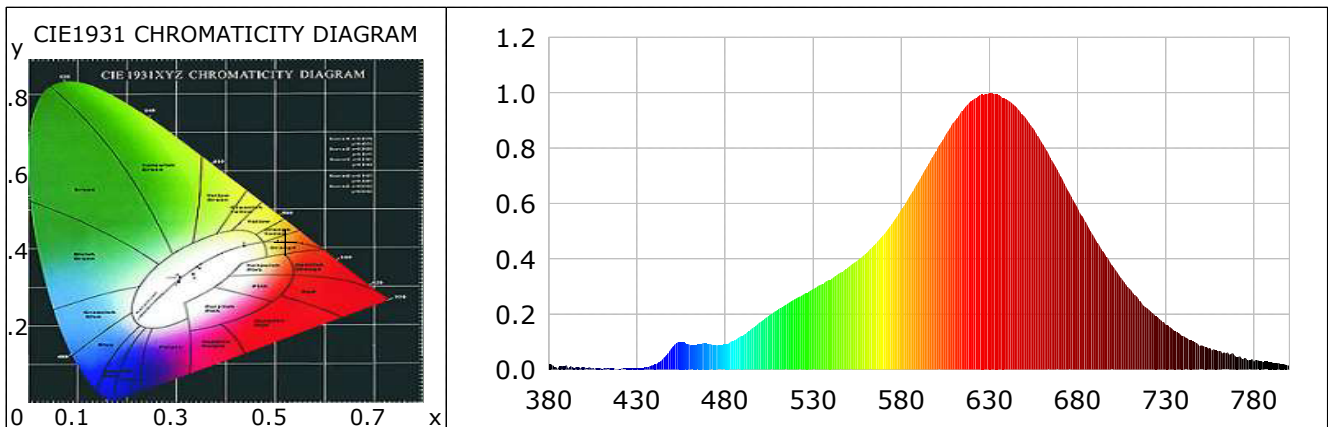
R11=97

R12=93

R13=94

R14=99

R15=86



Photometric Parameters

Luminous Flux: 3182.99 lm

Efficiency: 86.12 lm/W

Radiant Power: 10.518 W

Electric Parameters

Voltage: 24.00V

Current: 1.5400A

Power: 36.96W

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: 43069 (5427)

CCD Integration Time: 1340.17 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: 2024-09-18 15:26:14

Inspector:

Lightsource Test Report

Product Information

Product Type: Ceiling light SATURN 24V Dual White D600mm 72W

Product Number: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3925$ $y=0.3687$ $u(u')=0.2365$ $v=0.3332$ $v'=0.4998$

CCT: $T_c=3728K$ ($duv=-0.00709$)

Color Ratio: R=0.226 G=0.730 B=0.044

Peak Wavelength: 453nm

Half Bandwidth: 25.6nm

Dominant Wavelength: 582.5nm

Color Purity: 0.284

Color Render Index: Ra= 95.2, CRI= 96.1

R1 =96

R2 =96

R3 =98

R4 =99

R5 =96

R6 =93

R7 =95

R8 =97

R9 =97

R10=94

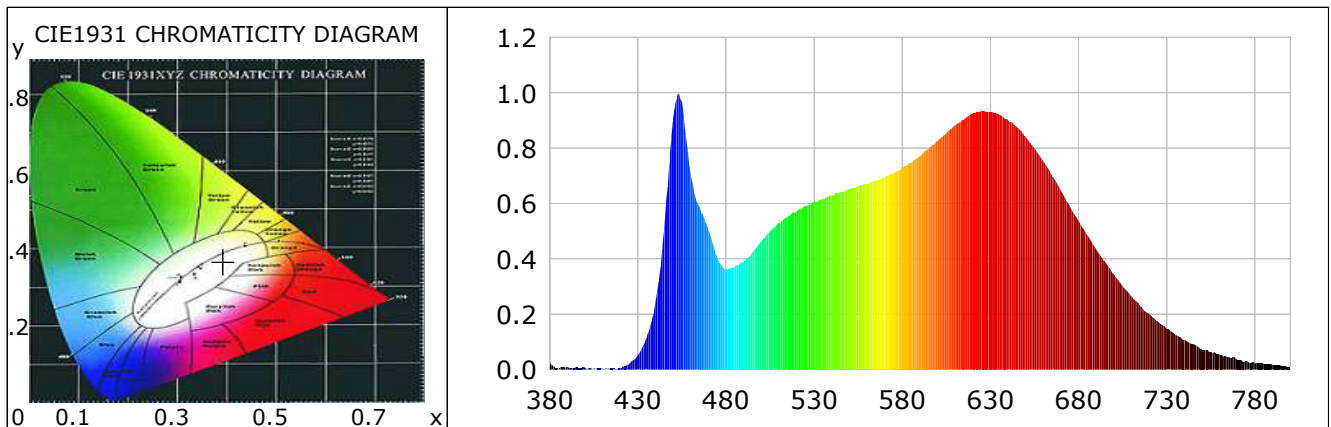
R11=96

R12=79

R13=95

R14=99

R15=96



Photometric Parameters

Luminous Flux: 7354.16 lm

Efficiency: 99.88 lm/W

Radiant Power: 21.013 W

Electric Parameters

Voltage: 24.00V

Current: 3.0679A

Power: 73.63W

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: 44735 (5167)

CCD Integration Time: 856.52 ms

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

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time:2024-09-18 15:32:18

Inspector:

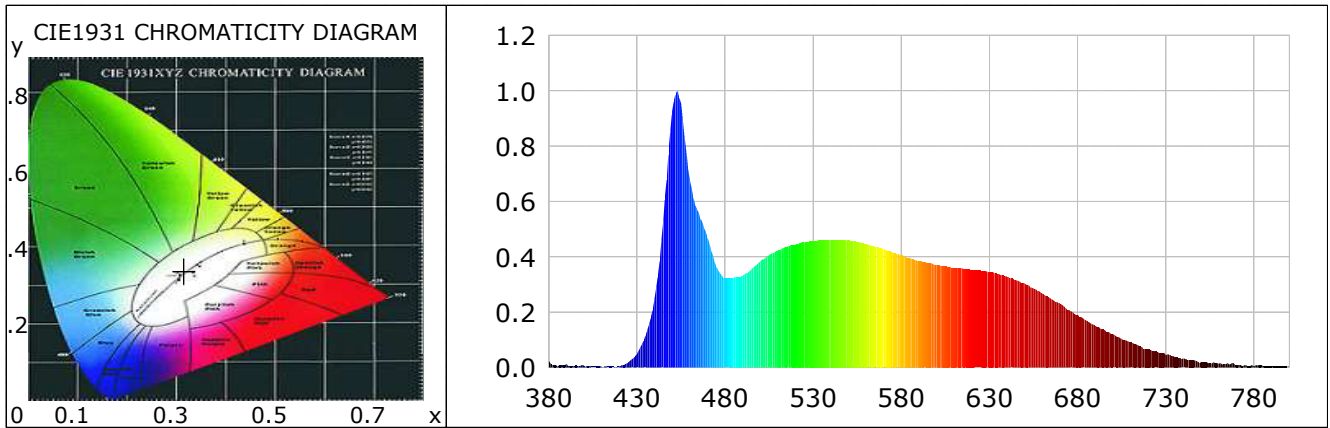
Lightsource Test Report

Product Information

Product Type: Ceiling light SATURN 24V Dual White D600mm 72W Product Number: 6000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3151$ $y=0.3382$ $u(u')=0.1961$ $v=0.3157$ $v'=0.4735$
CCT: $T_c=6018K$ ($duv=0.00666$) Color Ratio: $R=0.147$ $G=0.788$ $B=0.065$
Peak Wavelength: 483nm Half Bandwidth: 23.9nm
Dominant Wavelength: 498.2nm Color Purity: 0.059
Color Render Index: $R_a=92.5$, $CRI=90.6$
 $R1=94$ $R2=94$ $R3=89$ $R4=93$ $R5=90$ $R6=87$ $R7=97$ $R8=95$
 $R9=86$ $R10=82$ $R11=96$ $R12=55$ $R13=95$ $R14=94$ $R15=93$



Photometric Parameters

Luminous Flux: 3724.71 lm Efficiency: 101.16 lm/W Radiant Power: 10.513 W

Electric Parameters

Voltage: 24.00V Current: 1.5441A Power: 36.82W
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: 46342 (5182) CCD Integration Time: 1043.87 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: 2024-09-18 15:45:19
Inspector: