

Lightsource Test Report

Product Information

Product Category: MR16-2000K-5000K

Product Spec: 2305K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.5044$ $y=0.4291$ $u(u')=0.2826$ $v=0.3606$ $v'=0.5408$

CCT: $T_c=2305K$ ($duv=0.00433$)

Color Ratio: $R=0.301$ $G=0.683$ $B=0.015$

Peak Wavelength: 641nm

Half Bandwidth: 137.1nm

Dominant Wavelength: 585.3nm

Color Purity: 0.802

Color Render Index: $R_a=94.4$, $CRI=92.0$

$R_1=95$

$R_2=95$

$R_3=95$

$R_4=96$

$R_5=94$

$R_6=96$

$R_7=96$

$R_8=89$

$R_9=73$

$R_{10}=89$

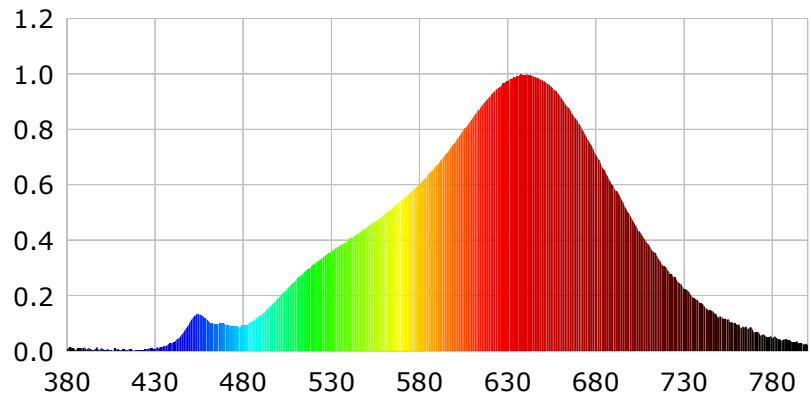
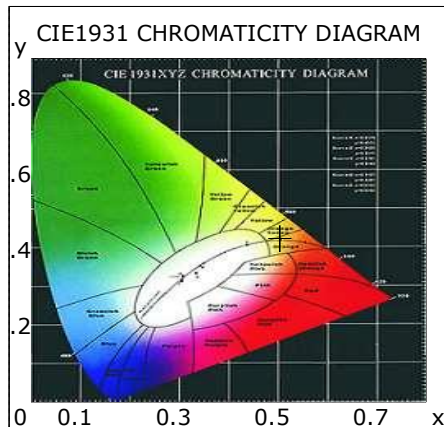
$R_{11}=97$

$R_{12}=84$

$R_{13}=95$

$R_{14}=96$

$R_{15}=91$



Photometric Parameters

Luminous Flux: 301.21 lm

Efficiency: 72.58 lm/W

Radiant Power: 1.214 W

Electric Parameters

Voltage: 24.00V

Current: 0.1730A

Power: 4.15W

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: 42924 (5168)

CCD Integration Time: 2649.63 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: 2022-01-08 16:32:15

Inspector:

Lightsource Test Report

Product Information

Product Category: MR16-2400K-5000K

Product Spec: 3357K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4107$ $y=0.3875$ $u(u')=0.2406$ $v=0.3405$ $v'=0.5107$

CCT: $T_c=3357K$ ($duv=-0.00254$)

Color Ratio: $R=0.228$ $G=0.737$ $B=0.035$

Peak Wavelength: 637nm

Half Bandwidth: 187.5nm

Dominant Wavelength: 582.5nm

Color Purity: 0.396

Color Render Index: $R_a=96.6$, $CRI=94.7$

$R1=98$

$R2=98$

$R3=96$

$R4=96$

$R5=97$

$R6=96$

$R7=97$

$R8=95$

$R9=89$

$R10=94$

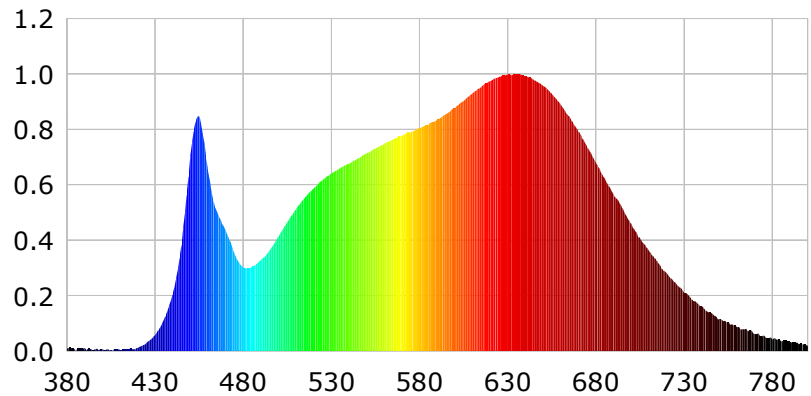
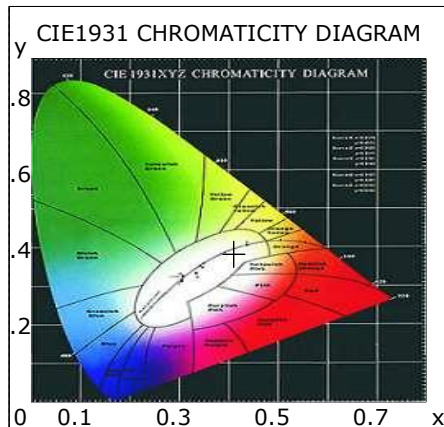
$R11=96$

$R12=77$

$R13=98$

$R14=97$

$R15=97$



Photometric Parameters

Luminous Flux: 678.07 lm

Efficiency: 83.34 lm/W

Radiant Power: 2.531 W

Electric Parameters

Voltage: 24.00V

Current: 0.3390A

Power: 8.14W

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: 52409 (5056)

CCD Integration Time: 1914.35 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: 2022-01-08 16:35:24

Inspector:

Lightsource Test Report

Product Information

Product Category: MR16-2400K-5000K

Product Spec: 4828K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3510$ $y=0.3625$ $u(u')=0.2111$ $v=0.3272$ $v'=0.4908$

CCT: $T_c=4828K$ ($duv=0.00312$)

Color Ratio: $R=0.170$ $G=0.781$ $B=0.049$

Peak Wavelength: 454nm

Half Bandwidth: 23.2nm

Dominant Wavelength: 572.0nm

Color Purity: 0.141

Color Render Index: $R_a=90.8$, $CRI=86.7$

$R1=90$ $R2=94$ $R3=95$ $R4=88$

$R5=88$

$R6=89$

$R7=95$

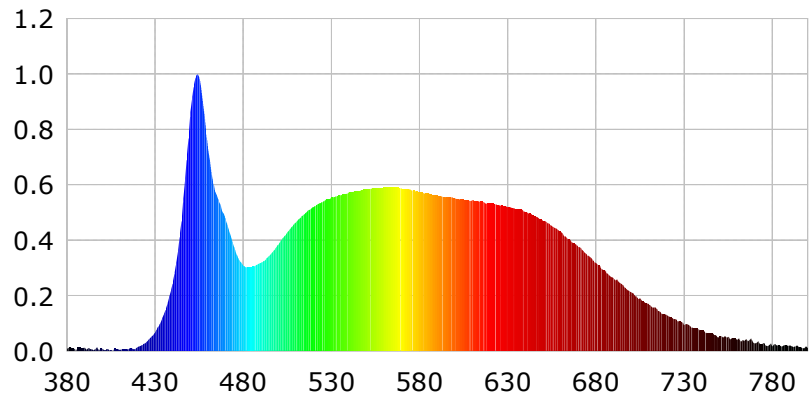
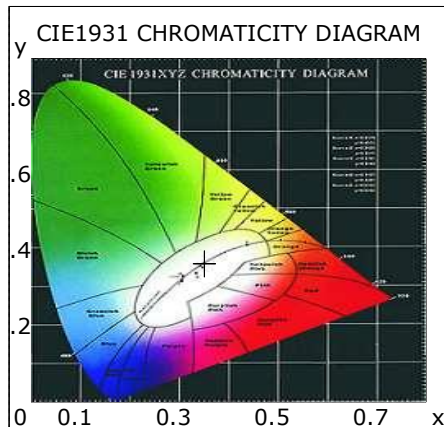
$R8=87$

$R9=65$ $R10=84$ $R11=87$ $R12=60$

$R13=92$

$R14=97$

$R15=89$



Photometric Parameters

Luminous Flux: 390.20 lm

Efficiency: 98.54 lm/W

Radiant Power: 1.360 W

Electric Parameters

Voltage: 24.00V

Current: 0.1650A

Power: 3.96W

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: 46294 (5183)

CCD Integration Time: 2252.18 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: 2022-01-08 16:33:48

Inspector: