

Lightsource Test Report

Product Information

Product Number: 138

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4432$ $y=0.4056$ $u(u')=0.2540$ $v=0.3486$ $v'=0.5229$ CCT: $T_c=2909K$ ($duv=-0.00023$)Color Ratio: $R=0.234$ $G=0.744$ $B=0.022$

Peak Wavelength: 603.2nm

Half Bandwidth: 123.3nm

Dominant Wavelength: 583.3nm

Color Purity: 0.548

Central Wave: 594.3nm

Gravity Wave: 597.2nm

CRI: $R_a=81.5$ TM30: $R_f=83$, $R_g=96$ GAI: $GAI_BB_8=94.4$, $GAI_BB_15=101.4$, $GAI_EES=51.8$

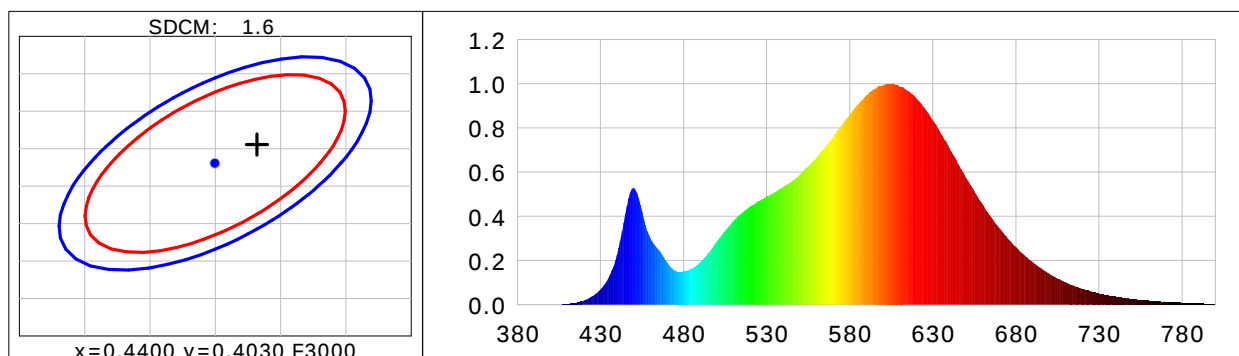
$R1=80$	$R2=90$	$R3=97$	$R4=80$	$R5=80$	$R6=88$	$R7=81$	$R8=57$
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$R9=3$	$R10=77$	$R11=79$	$R12=69$	$R13=82$	$R14=99$	$R15=72$	
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Color Quality Scale: $Q_a=81.3$, $Q_f=82.9$, $Q_p=83.1$, $Q_g=91.7$

$Q1=77$	$Q2=95$	$Q3=82$	$Q4=79$	$Q5=82$	$Q6=82$	$Q7=82$	$Q8=85$
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$Q9=95$	$Q10=88$	$Q11=85$	$Q12=83$	$Q13=82$	$Q14=71$	$Q15=73$	
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Photometric Parameters

Luminous Flux: 11402 lm

Efficiency: 120.82 lm/W

Radiant Power: 34.226 W

Total mains efficacy: 142.08 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 230.20V

Current: 0.4190A

Power: 94.38W

Power Factor: 0.9770

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms ALC.: 1.0000

Max of Signal: 46100 (2359)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 2 π

CCD Integration Time: 99.52 ms

Condition: Tx:18.9°C, Ti:15.4°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-2S (Plus)

Test Time: 2024-02-26 10:48:52

Inspector:

Lightsource Test Report

Product Information

Product Number: 139

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4045$ $y=0.3875$ $u(u')=0.2365$ $v=0.3399$ $v'=0.5098$ CCT: $T_c=3492K$ ($duv=-0.00123$)Color Ratio: $R=0.205$ $G=0.766$ $B=0.029$

Peak Wavelength: 599.4nm

Half Bandwidth: 146.2nm

Dominant Wavelength: 581.5nm

Color Purity: 0.377

Central Wave: 582.4nm

Gravity Wave: 587.9nm

CRI: $R_a=83.6$ TM30: $R_f=84$, $R_g=98$ GAI: $GAI_BB_8=97.1$, $GAI_BB_15=102.9$, $GAI_EES=67.4$

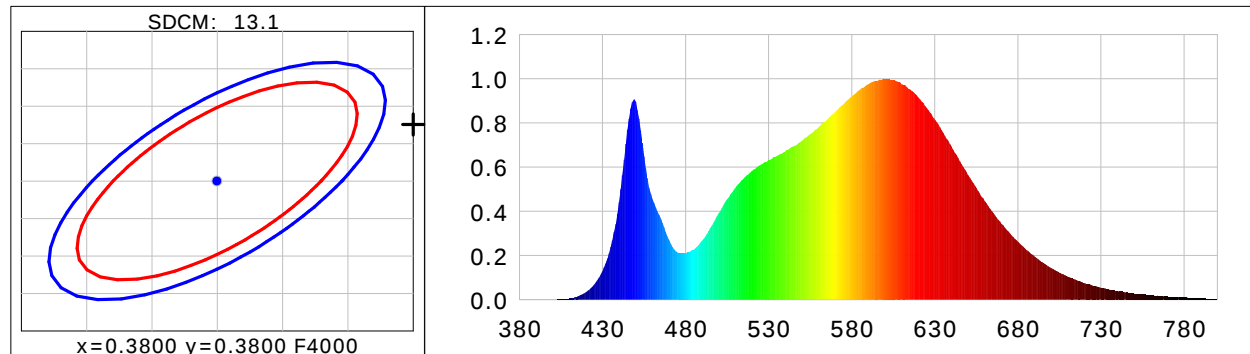
$R1=82$	$R2=89$	$R3=95$	$R4=83$	$R5=83$	$R6=86$	$R7=85$	$R8=65$
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$R9=13$	$R10=75$	$R11=83$	$R12=67$	$R13=84$	$R14=97$	$R15=76$	
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Color Quality Scale: $Q_a=83.4$, $Q_f=83.2$, $Q_p=84.5$, $Q_g=95.1$

$Q1=82$	$Q2=99$	$Q3=80$	$Q4=79$	$Q5=84$	$Q6=85$	$Q7=85$	$Q8=88$
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$Q9=98$	$Q10=88$	$Q11=86$	$Q12=84$	$Q13=84$	$Q14=74$	$Q15=77$	
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Photometric Parameters

Luminous Flux: 11417 lm

Efficiency: 120.95 lm/W

Radiant Power: 34.735 W

Total mains efficacy: 142.24 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 230.20V

Current: 0.4190A

Power: 94.40W

Power Factor: 0.9780

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms ALC.: 1.0000

Max of Signal: 44087 (2361)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 2 π

CCD Integration Time: 99.52 ms

Condition: Tx:19.0°C, Ti:15.4°C, R.H.:60%
Test Lab:
Operator:Test Device: CMS-2S (Plus)
Test Time: 2024-02-26 10:49:16
Inspector:

Lightsource Test Report

Product Information

Product Number: 140

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3499$ $y=0.3611$ $u(u')=0.2110$ $v=0.3266$ $v'=0.4899$ CCT: $T_c=4860K$ ($duv=0.00280$)Color Ratio: $R=0.159$ $G=0.801$ $B=0.040$

Peak Wavelength: 449.0nm

Half Bandwidth: 19.6nm

Dominant Wavelength: 571.9nm

Color Purity: 0.133

Central Wave: 449.8nm

Gravity Wave: 449.5nm

CRI: $R_a=82.2$ TM30: $R_f=83$, $R_g=96$ GAI: $GAI_BB_8=90.4$, $GAI_BB_15=96.5$, $GAI_EES=81.2$

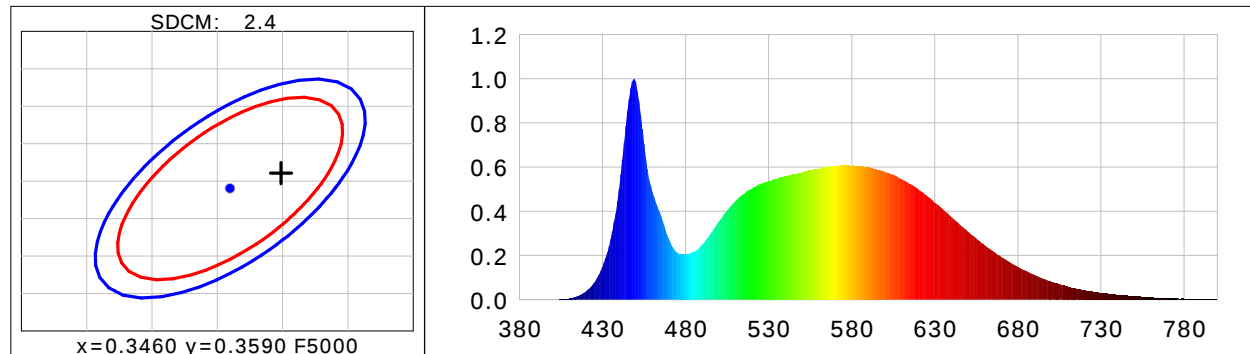
$R1=80$	$R2=86$	$R3=90$	$R4=82$	$R5=80$	$R6=81$	$R7=88$	$R8=69$
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$R9=12$	$R10=67$	$R11=81$	$R12=56$	$R13=81$	$R14=95$	$R15=76$	
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Color Quality Scale: $Q_a=82.4$, $Q_f=82.4$, $Q_p=82.8$, $Q_g=92.8$

$Q1=85$	$Q2=98$	$Q3=77$	$Q4=74$	$Q5=81$	$Q6=83$	$Q7=85$	$Q8=90$
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$Q9=96$	$Q10=86$	$Q11=84$	$Q12=84$	$Q13=84$	$Q14=73$	$Q15=78$	
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Photometric Parameters

Luminous Flux: 11204 lm

Efficiency: 119.23 lm/W

Radiant Power: 34.713 W

Total mains efficacy: 140.22 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 230.20V

Current: 0.4180A

Power: 93.97W

Power Factor: 0.9770

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms ALC.: 1.0000

Max of Signal: 46196 (2333)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 2 π

CCD Integration Time: 69.18 ms

Condition: Tx:19.0°C, Ti:15.4°C, R.H.:60%
Test Lab:
Operator:Test Device: CMS-2S (Plus)
Test Time: 2024-02-26 10:49:35
Inspector: