

Lightsource Test Report

Product Infomation

Product Type: C 50W 6000K

Product Number: 3

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3151$ $y=0.3336$ $u(u')=0.1978$ $v=0.3141$ $v'=0.4711$

CCT: $T_c=6346K$ ($duv=0.00433$)

Color Ratio: $R=0.133$ $G=0.817$ $B=0.050$

Peak Wavelength: 445.2nm

Half Bandwidth: 20.1nm

Dominant Wavelength: 491.9nm

Color Purity: 0.061

Central Wave: 446.0nm

Gravity Wave: 445.6nm

CRI: $R_a=80.9$

TM30: $R_f=82$, $R_g=97$

GAI: $GAI_BB_8=91.8$, $GAI_BB_15=95.3$, $GAI_EES=88.9$

$R1=79$

$R2=83$

$R3=87$

$R4=82$

$R5=81$

$R6=79$

$R7=86$

$R8=69$

$R9=1$

$R10=61$

$R11=83$

$R12=63$

$R13=80$

$R14=93$

$R15=74$

Color Quality Scale: $Q_a=81.2$, $Q_f=80.7$, $Q_p=82.7$, $Q_g=93.1$

$Q1=85$

$Q2=96$

$Q3=77$

$Q4=75$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=95$

$Q10=83$

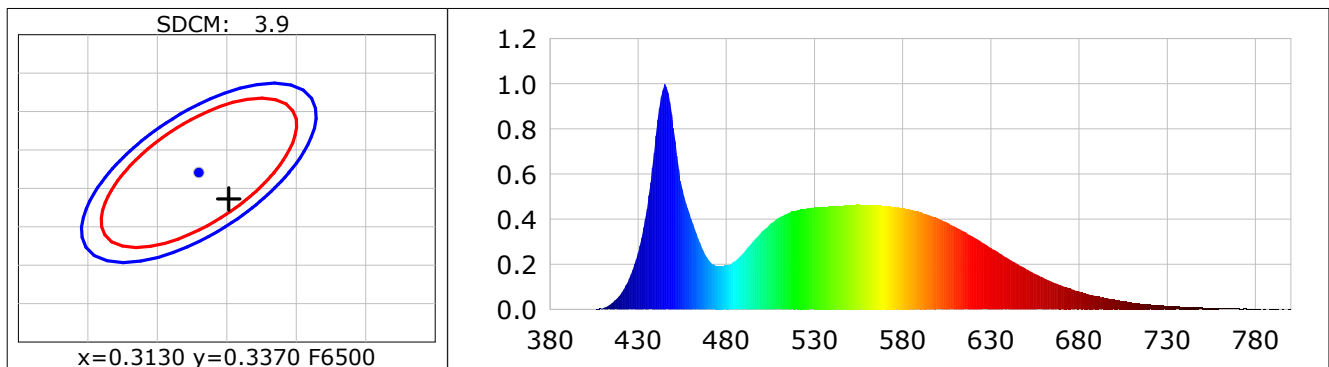
$Q11=80$

$Q12=80$

$Q13=81$

$Q14=69$

$Q15=75$



Photometric Parameters

Luminous Flux: 4217.9 lm

Efficiency: 82.06 lm/W

Radiant Power: 13.495 W

Total mains efficacy: 82.06 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 230.20V

Current: 0.4240A

Power: 51.40W

Power Factor: 0.5260

Frequency: 50.00Hz

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Sec ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4T

Max of Signal: 46592 (2337)

CCD Integration Time: 61.62 ms

Condition: $T_x:27.1^{\circ}C$, $T_i:25.1^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-2S (Plus)

Test Time: 2022-05-13 14:36:11

Inspector:

Lightsource Test Report

Product Infomation

Product Type: H 50W 6000K

Product Number: 10

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3127$ $y=0.3296$ $u(u')=0.1976$ $v=0.3124$ $v'=0.4686$

CCT: $T_c=6504K$ ($duv=0.00354$)

Color Ratio: $R=0.133$ $G=0.815$ $B=0.052$

Peak Wavelength: 446.4nm

Half Bandwidth: 22.4nm

Dominant Wavelength: 489.4nm

Color Purity: 0.072

Central Wave: 447.7nm

Gravity Wave: 447.2nm

CRI: $R_a=81.9$

TM30: $R_f=82$, $R_g=96$

GAI: $GAI_BB_8=92.0$, $GAI_BB_15=95.8$, $GAI_EES=89.8$

$R1=80$

$R2=84$

$R3=88$

$R4=83$

$R5=82$

$R6=80$

$R7=87$

$R8=70$

$R9=5$

$R10=64$

$R11=84$

$R12=63$

$R13=81$

$R14=93$

$R15=75$

Color Quality Scale: $Q_a=81.4$, $Q_f=80.9$, $Q_p=82.8$, $Q_g=93.0$

$Q1=85$

$Q2=96$

$Q3=77$

$Q4=74$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=95$

$Q10=83$

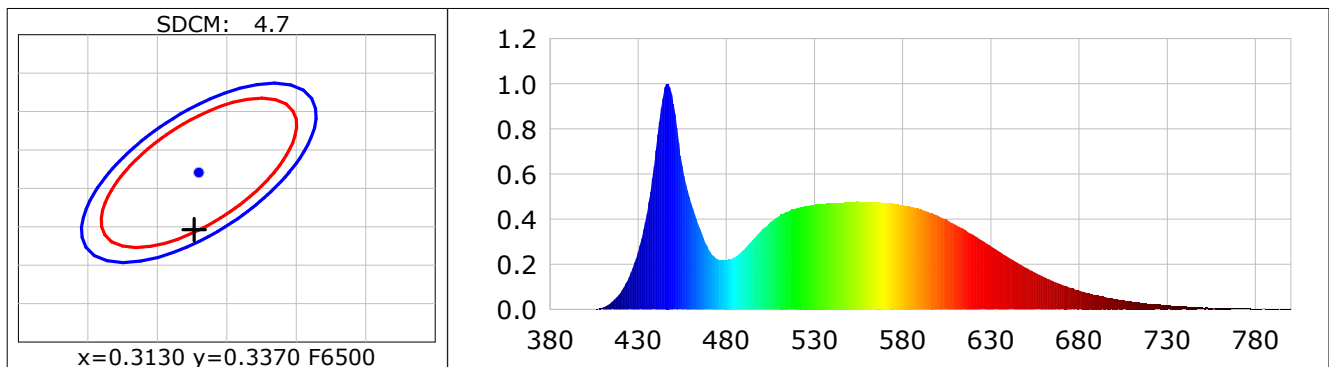
$Q11=80$

$Q12=80$

$Q13=81$

$Q14=70$

$Q15=76$



Photometric Parameters

Luminous Flux: 3799.1 lm

Efficiency: 79.81 lm/W

Radiant Power: 12.290 W

Total mains efficacy: 79.81 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 230.10V

Current: 0.4060A

Power: 47.60W

Power Factor: 0.4930

Frequency: 50.00Hz

Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Sec ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4T

Max of Signal: 45780 (2374)

CCD Integration Time: 67.33 ms

Condition: $T_x:27.4^{\circ}C$, $T_i:25.5^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-2S (Plus)

Test Time: 2022-05-13 15:37:47

Inspector: