

Lightsource Test Report

Product Infomation

Product Type: 40W 4000K **cool/start test**

Product Number: 1

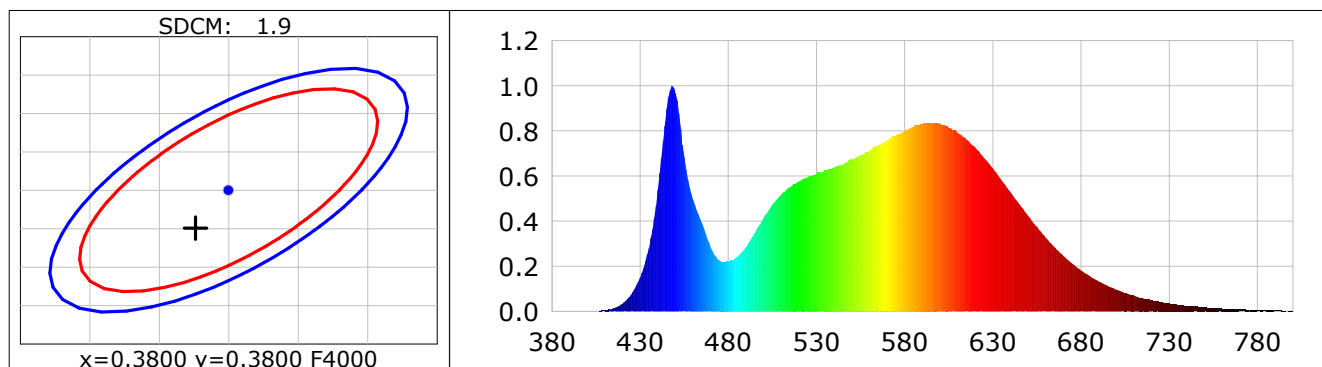
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3776$ $y=0.3750$ $u(u')=0.2239$ $v=0.3336$ $v'=0.5004$
 CCT: $T_c=4066K$ ($duv=0.00003$) Color Ratio: $R=0.182$ $G=0.783$ $B=0.035$
 Peak Wavelength: 448.2nm Half Bandwidth: 20.3nm
 Dominant Wavelength: 578.8nm Color Purity: 0.259
 Central Wave: 449.6nm Gravity Wave: 449.1nm
 CRI: $R_a=83.3$ TM30: $R_f=84$, $R_g=97$
 GAI: $GAI_BB_8=93.8$, $GAI_BB_15=99.4$, $GAI_EES=74.9$

R1 =82	R2 =88	R3 =94	R4 =84	R5 =82	R6 =85	R7 =86	R8 =66
R9 =10	R10=73	R11=83	R12=64	R13=83	R14=97	R15=76	

Color Quality Scale: $Q_a=83.1$, $Q_f=83.0$, $Q_p=83.6$, $Q_g=93.8$

Q1 =82	Q2 =99	Q3 =79	Q4 =78	Q5 =83	Q6 =85	Q7 =86	Q8 =89
Q9 =97	Q10=88	Q11=85	Q12=84	Q13=84	Q14=73	Q15=76	



Photometric Parameters

Luminous Flux: 5172.0 lm Efficiency: 128.02 lm/W Radiant Power: 15.629 W
 Total mains efficacy: 128.02 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 229.70V Current: 0.1810A Power: 40.40W
 Power Factor: 0.9730 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: 50811 (2160) CCD Integration Time: 87.89 ms

Condition: $T_x:24.4^{\circ}C$, $T_i:23.4^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2022-10-31 09:48:57
 Inspector:

Lightsource Test Report

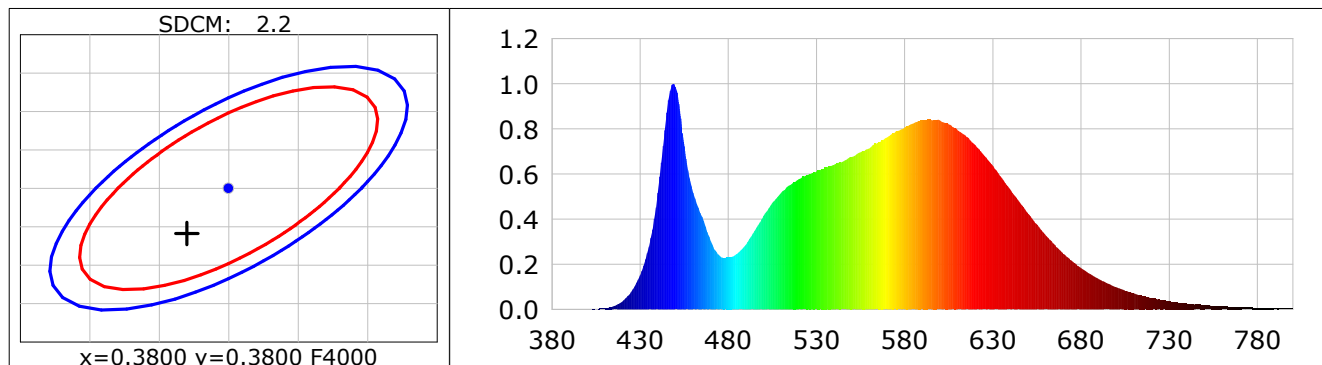
Product Infomation

Product Type: H 40W 4000K **hot/stable test** Product Number: 2

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3770$ $y=0.3741$ $u(u')=0.2239$ $v=0.3333$ $v'=0.4999$
 CCT: $T_c=4076K$ ($duv=-0.00023$) Color Ratio: $R=0.182$ $G=0.783$ $B=0.036$
 Peak Wavelength: 448.7nm Half Bandwidth: 21.0nm
 Dominant Wavelength: 578.9nm Color Purity: 0.254
 Central Wave: 450.2nm Gravity Wave: 449.8nm
 CRI: $R_a=83.3$ TM30: $R_f=84$, $R_g=97$
 GAI: $GAI_BB_8=93.9$, $GAI_BB_15=99.7$, $GAI_EES=75.2$

R1 =82	R2 =89	R3 =94	R4 =83	R5 =82	R6 =85	R7 =86	R8 =66
R9 =10	R10=73	R11=83	R12=64	R13=83	R14=97	R15=76	
Color Quality Scale: $Q_a=83.0$, $Q_f=83.0$, $Q_p=83.5$, $Q_g=93.7$							
Q1 =82	Q2 =99	Q3 =79	Q4 =77	Q5 =83	Q6 =84	Q7 =86	Q8 =89
Q9 =98	Q10=88	Q11=85	Q12=84	Q13=84	Q14=73	Q15=76	



Photometric Parameters

Luminous Flux: 4950.3 lm Efficiency: 127.59 lm/W Radiant Power: 14.993 W
 Total mains efficacy: 127.59 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.30V Current: 0.1720A Power: 38.80W
 Power Factor: 0.9780 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: 48772 (2207) CCD Integration Time: 87.89 ms

Condition: $T_x:25.0^{\circ}C$, $T_i:23.6^{\circ}C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2022-10-31 10:11:46
 Inspector: