

Lightsource Test Report

Product Information

Product Category: ZNTH-LK408
 Product Spec: 3000K

Product Type: 8W
 Product Number: 02

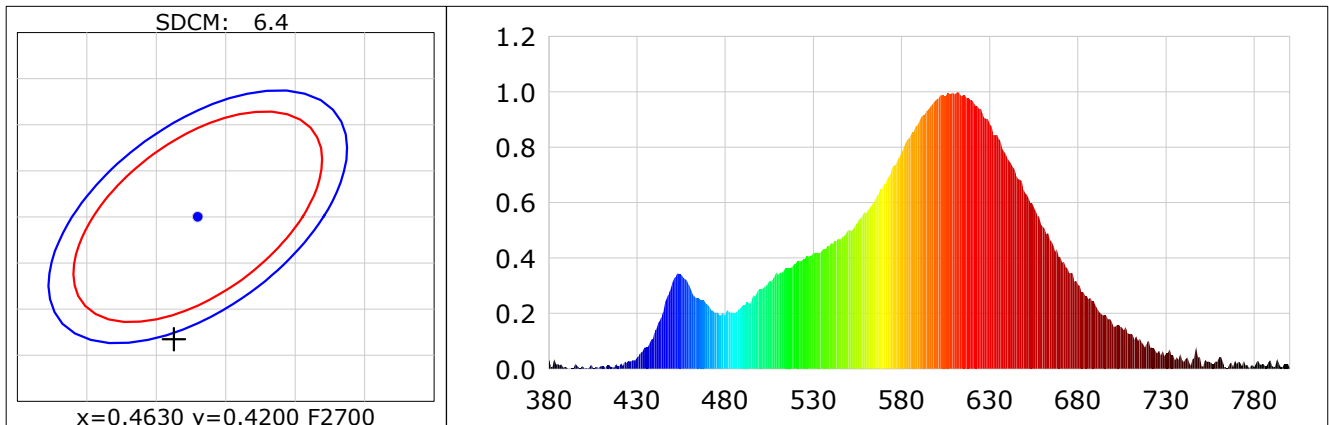
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4613$ $y=0.4067$ $u(u')=0.2652$ $v=0.3507$ $v'=0.5261$
 CCT: $T_c=2650K$ ($duv=-0.00155$) Color Ratio: $R=0.261$ $G=0.713$ $B=0.025$
 Peak Wavelength: 611.8nm Half Bandwidth: 109.5nm
 Dominant Wavelength: 585.0nm Color Purity: 0.605
 CRI: $R_a=84.7$

R1 =85	R2 =95	R3 =92	R4 =83	R5 =86	R6 =96	R7 =80	R8 =60
R9 =16	R10=90	R11=85	R12=85	R13=87	R14=97	R15=76	

Color Quality Scale: $Q_a=84.5$, $Q_f=86.9$, $Q_p=87.1$, $Q_g=91.3$

Q1 =79	Q2 =92	Q3 =89	Q4 =85	Q5 =86	Q6 =87	Q7 =86	Q8 =87
Q9 =93	Q10=93	Q11=89	Q12=85	Q13=84	Q14=75	Q15=76	



Photometric Parameters

Luminous Flux: 274.92 lm
 EEI: 0.29

Efficiency: 33.65 lm/W

Radiant Power: 0.869 W

Energy Efficiency Class: B (EU 874-2012)

Electric Parameters

Voltage: 220.30V
 Power Factor: 0.3860

Current: 0.0960A
 Frequency: 49.99Hz

Power: 8.17W

BIN: OUT :

Test Information

Scan Range: 380~800:1nm
 Stabilization Time: 0 Sec
 Max of Signal: 41024 (6820)
 Condition: $T_x=35.5^{\circ}C$, $T_i=32.6^{\circ}C$, R.H.:60%
 Test Lab: IDEUS
 Operator:

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 2.00m, 4 π
 CCD Integration Time: 3794.67 ms
 Test Device: Inventfine CMS-3000S
 Test Time: 2019-07-29 17:04:30
 Inspector:

Lightsource Test Report

Product Information

Product Category: ZNTH-LK408
 Product Spec: 6500K

Product Type: 8W
 Product Number: 03

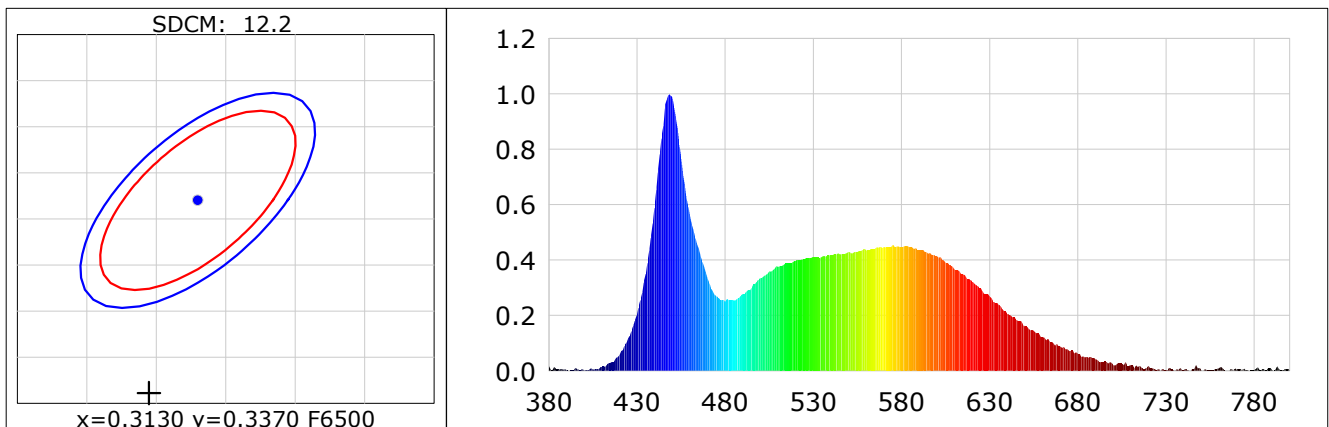
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3095$ $y=0.3161$ $u(u')=0.2005$ $v=0.3072$ $v'=0.4608$
 CCT: $T_c=6812K$ ($duv=-0.00188$) Color Ratio: $R=0.137$ $G=0.804$ $B=0.059$
 Peak Wavelength: 448.2nm Half Bandwidth: 24.1nm
 Dominant Wavelength: 481.7nm Color Purity: 0.096
 CRI: $R_a=86.3$

R1 =87	R2 =87	R3 =84	R4 =94	R5 =87	R6 =80	R7 =91	R8 =81
R9 =30	R10=66	R11=93	R12=58	R13=86	R14=91	R15=86	

Color Quality Scale: $Q_a=81.7$, $Q_f=81.3$, $Q_p=83.3$, $Q_g=93.5$

Q1 =87	Q2 =98	Q3 =78	Q4 =70	Q5 =78	Q6 =84	Q7 =90	Q8 =94
Q9 =94	Q10=85	Q11=79	Q12=78	Q13=79	Q14=75	Q15=80	



Photometric Parameters

Luminous Flux: 340.90 lm
 EEI: 0.24

Efficiency: 42.56 lm/W

Radiant Power: 1.123 W

Energy Efficiency Class: B (EU 874-2012)

Electric Parameters

Voltage: 220.30V
 Power Factor: 0.3820

Current: 0.0950A
 Frequency: 50.00Hz

Power: 8.01W

BIN: OUT :

Test Information

Scan Range: 380~800:1nm
 Stabilization Time: 0 Sec
 Max of Signal: 45587 (6641)
 Condition: Tx:35.6°C, Ti:32.7°C, R.H.:60%
 Test Lab: IDEUS
 Operator:

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 2.00m, 4 π
 CCD Integration Time: 2148.51 ms
 Test Device: Inventfine CMS-3000S
 Test Time: 2019-07-29 17:09:10
 Inspector:

Lightsource Test Report

Product Information

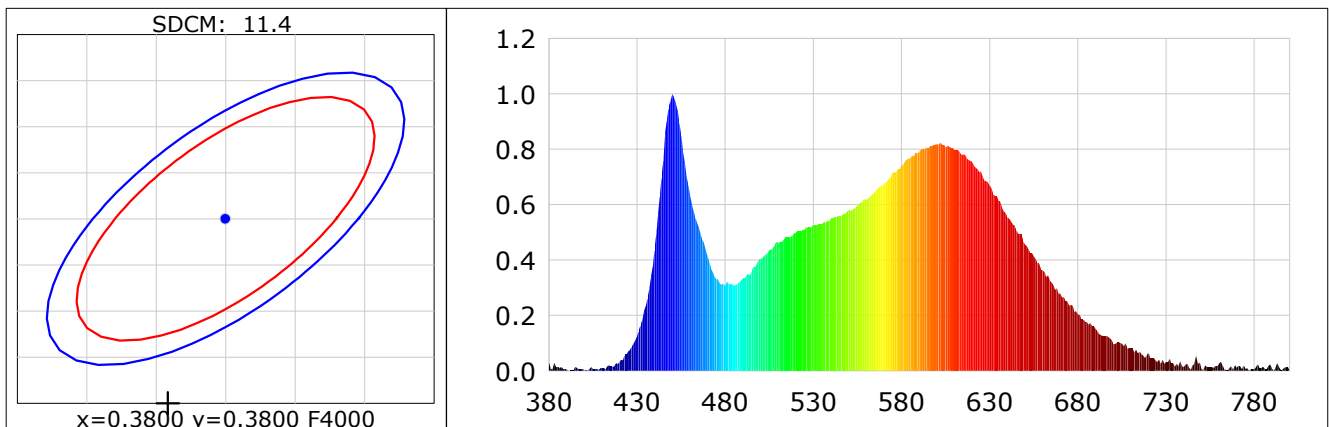
Product Category: ZNTH-LK408
 Product Spec: 4000K

Product Type: 8W
 Product Number: 01

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3758$ $y=0.3544$ $u(u')=0.2312$ $v=0.3271$ $v'=0.4906$
 CCT: $T_c=3956K$ ($duv=-0.00948$) Color Ratio: $R=0.202$ $G=0.754$ $B=0.044$
 Peak Wavelength: 450.1nm Half Bandwidth: 24.8nm
 Dominant Wavelength: 586.7nm Color Purity: 0.191
 CRI: Ra: Ra= 89.2

R1 =91	R2 =96	R3 =95	R4 =89	R5 =92	R6 =92	R7 =85	R8 =73
R9 =38	R10=91	R11=90	R12=77	R13=93	R14=99	R15=87	
Color Quality Scale: Qa= 86.1, Qf= 85.2, Qp= 88.5, Qg= 97.9							
Q1 =86	Q2 =99	Q3 =81	Q4 =80	Q5 =86	Q6 =90	Q7 =90	Q8 =91
Q9 =99	Q10=90	Q11=86	Q12=84	Q13=84	Q14=80	Q15=82	



Photometric Parameters

Luminous Flux: 343.77 lm
 EEI: 0.23

Efficiency: 45.65 lm/W

Radiant Power: 1.114 W

Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 220.30V
 Power Factor: 0.3720

Current: 0.0920A
 Frequency: 49.99Hz

Power: 7.53W

BIN: OUT :

Test Information

Scan Range: 380~800:1nm
 Stabilization Time: 0 Sec
 Max of Signal: 43462 (7086)
 Condition: Tx:35.6°C, Ti:32.7°C, R.H.:60%
 Test Lab: IDEUS
 Operator:

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 2.00m, 4π
 CCD Integration Time: 3139.70 ms
 Test Device: Inventfine CMS-3000S
 Test Time: 2019-07-29 17:18:53
 Inspector: