Inventfine Instrument Co., Ltd.
www.inventfine.com.cn
Tel: 86-571-88091262
Fax: 86-571-88262100

Lightsource Test Report

Product Infomation

Product Spec: 6w c
Product Number: 1

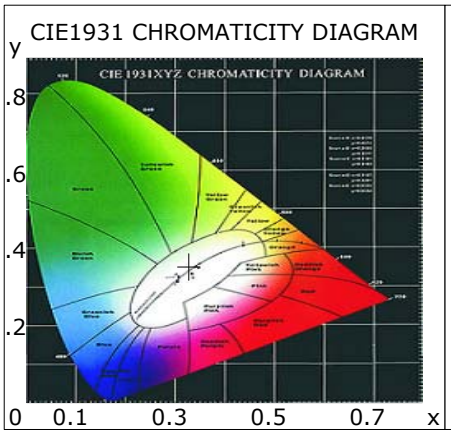
CIE Colorimetric Parameters

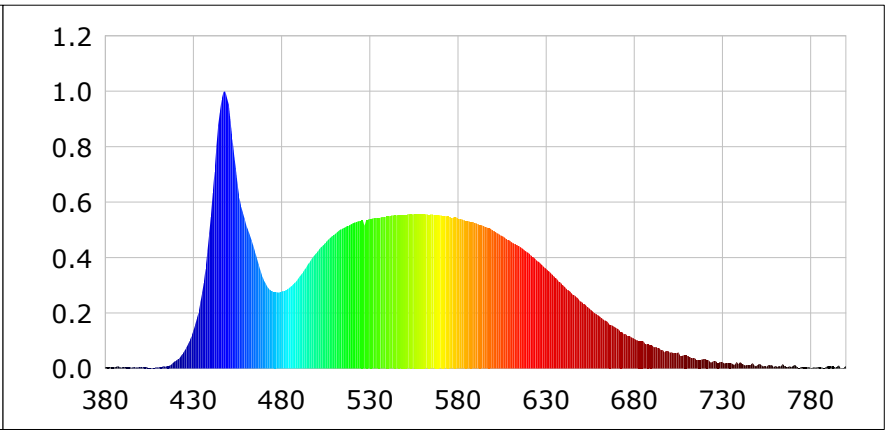
Chromaticity coordinates: x=0.3280 y=0.3547 u(u')=0.1988 v=0.3224 v'=0.4836
CCT: Tc=5686K (duv=0.00877) Color Ratio: R=0.140 G=0.810 B=0.051
Peak Wavelength: 447.6nm Half Bandwidth: 21.8nm
Dominant Wavelength: 539.9nm Color Purity: 0.051
CRI: Ra= 84.3 TM30: Rf= 83, Rg= 94

R1 =83	R2 =84	R3 =85	R4 =90	R5 =83	R6 =79	R7 =92	R8 =78
R9 =19	R10=62	R11=89	R12=54	R13=82	R14=92	R15=79	

Color Quality Scale: Qa= 84.0, Qf= 84.3, Qp= 82.8, Qg= 90.8

Q1 =85	Q2 =98	Q3 =82	Q4 =77	Q5 =81	Q6 =83	Q7 =87	Q8 =92
Q9 =97	Q10=89	Q11=86	Q12=85	Q13=85	Q14=75	Q15=79	





Photometric Parameters

Luminous Flux: 409.48 lm Efficiency: 62.04 lm/W Radiant Power: 1.274 W
EEI: 0.17 Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 230.40V Current: 0.0610A Power: 6.60W
Power Factor: 0.4670 Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 15 Sec
Max of Signal: 54722 (3176)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4∏
CCD Integration Time: 2796.63 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:
Test Device: Inventfine CMS-2S (Plus)
Test Time: 2018-09-30 09:25:16
Inspector:

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Lightsource Test Report

Product Infomation

Product Spec: 12w c
Product Number: 2

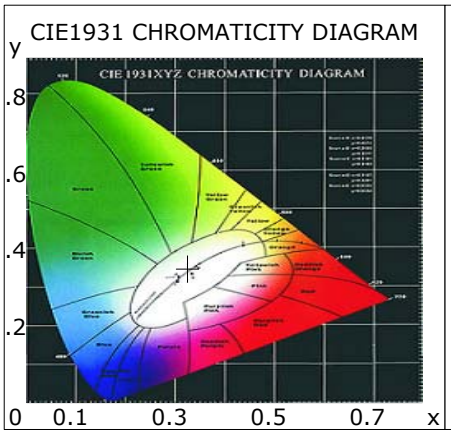
CIE Colorimetric Parameters

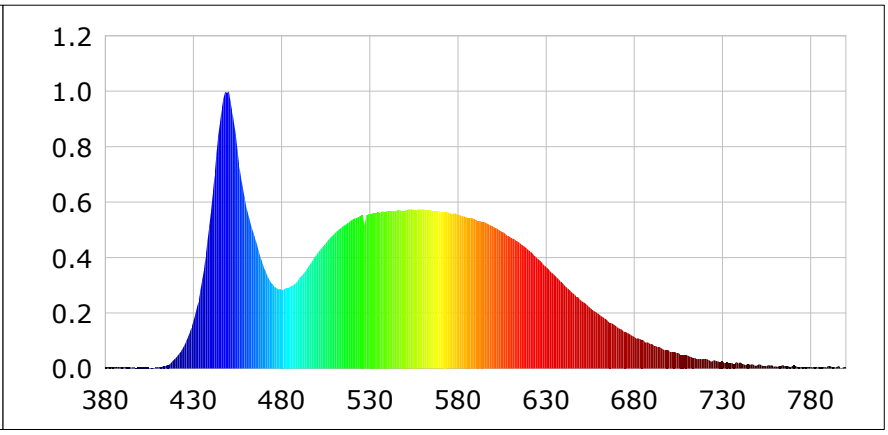
Chromaticity coordinates: x=0.3254 y=0.3492 u(u')=0.1991 v=0.3204 v'=0.4806
CCT: Tc=5802K (duv=0.00725) Color Ratio: R=0.140 G=0.809 B=0.051
Peak Wavelength: 449.6nm Half Bandwidth: 24.7nm
Dominant Wavelength: 521.5nm Color Purity: 0.032
CRI: Ra= 84.5 TM30: Rf= 82, Rg= 95

R1 =83	R2 =84	R3 =84	R4 =90	R5 =84	R6 =78	R7 =92	R8 =79
R9 =22	R10=61	R11=90	R12=53	R13=83	R14=91	R15=80	

Color Quality Scale: Qa= 83.6, Qf= 83.8, Qp= 82.8, Qg= 91.4

Q1 =85	Q2 =98	Q3 =81	Q4 =75	Q5 =80	Q6 =83	Q7 =87	Q8 =92
Q9 =96	Q10=88	Q11=85	Q12=84	Q13=84	Q14=75	Q15=80	





Photometric Parameters

Luminous Flux: 1013.69 lm Efficiency: 78.58 lm/W Radiant Power: 3.186 W
EEI: 0.17 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.00V Current: 0.1080A Power: 12.90W
Power Factor: 0.5170 Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 15 Sec
Max of Signal: 45397 (2994)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4∏
CCD Integration Time: 1314.04 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:
Test Device: Inventfine CMS-2S (Plus)
Test Time: 2018-09-30 09:28:46
Inspector:

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Lightsource Test Report

Product Infomation

Product Spec: 18w c
Product Number: 3

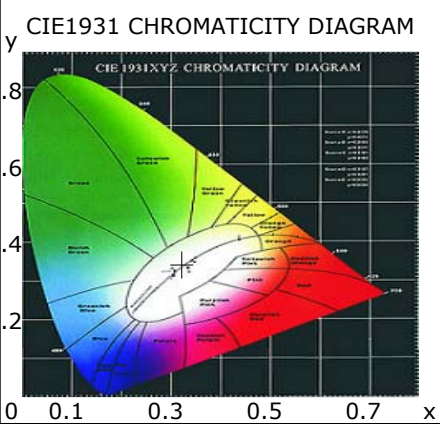
CIE Colorimetric Parameters

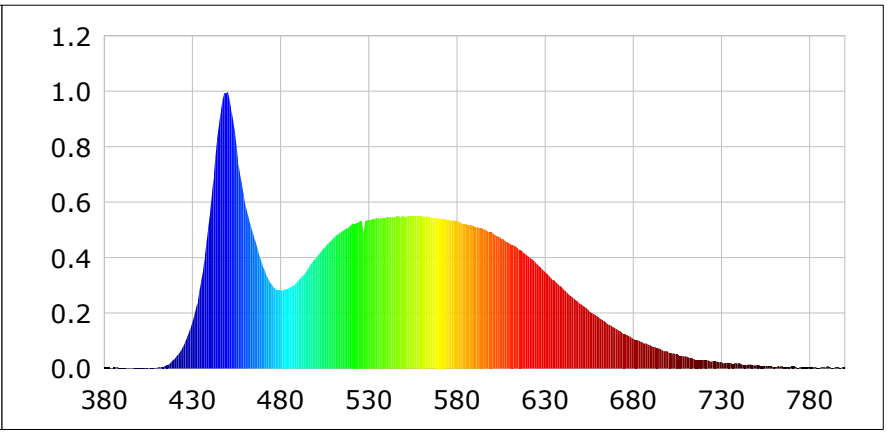
Chromaticity coordinates: x=0.3219 y=0.3443 u(u')=0.1985 v=0.3184 v'=0.4776
CCT: Tc=5970K (duv=0.00647) Color Ratio: R=0.139 G=0.809 B=0.053
Peak Wavelength: 449.7nm Half Bandwidth: 24.8nm
Dominant Wavelength: 504.9nm Color Purity: 0.035
CRI: Ra= 85.0 TM30: Rf= 82, Rg= 95

R1 =84	R2 =85	R3 =84	R4 =91	R5 =84	R6 =79	R7 =93	R8 =80
R9 =25	R10=62	R11=90	R12=54	R13=84	R14=91	R15=81	

Color Quality Scale: Qa= 83.7, Qf= 83.8, Qp= 83.2, Qg= 91.7

Q1 =86	Q2 =99	Q3 =81	Q4 =75	Q5 =80	Q6 =83	Q7 =88	Q8 =93
Q9 =96	Q10=88	Q11=84	Q12=84	Q13=84	Q14=76	Q15=80	





Photometric Parameters

Luminous Flux: 1506.13 lm Efficiency: 80.97 lm/W Radiant Power: 4.774 W
EEI: 0.17 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.30V Current: 0.1510A Power: 18.60W
Power Factor: 0.5350 Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 15 Sec
Max of Signal: 45754 (2902)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4∏
CCD Integration Time: 856.72 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:
Test Device: Inventfine CMS-2S (Plus)
Test Time: 2018-09-30 09:30:40
Inspector:

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Lightsource Test Report

Product Infomation

Product Spec: 24w c
Product Number: 4

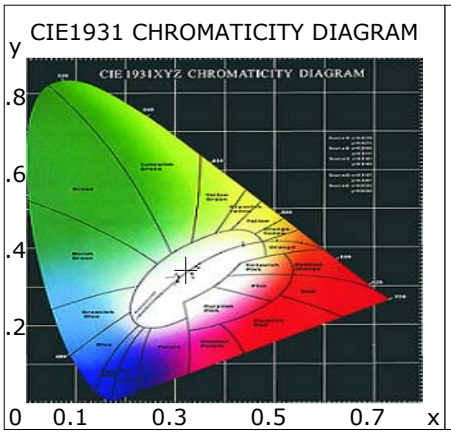
CIE Colorimetric Parameters

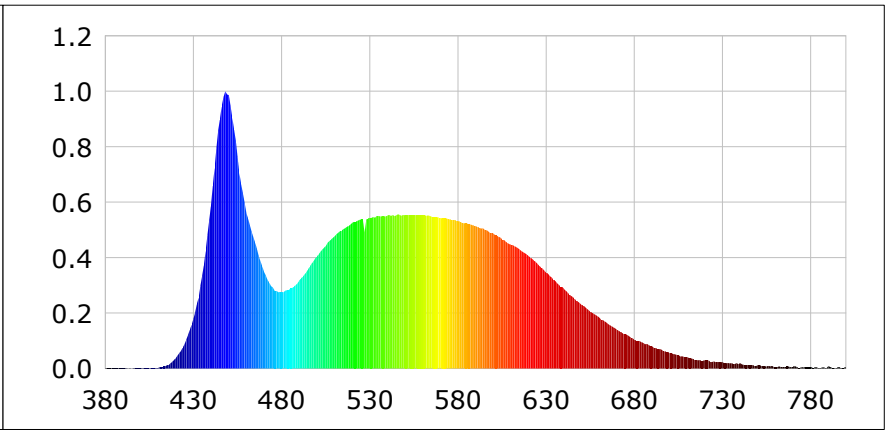
Chromaticity coordinates: x=0.3218 y=0.3459 u(u')=0.1978 v=0.3189 v'=0.4784
CCT: Tc=5972K (duv=0.00729) Color Ratio: R=0.137 G=0.811 B=0.052
Peak Wavelength: 448.2nm Half Bandwidth: 24.4nm
Dominant Wavelength: 506.7nm Color Purity: 0.035
CRI: Ra= 84.4 TM30: Rf= 82, Rg= 95

R1 =83	R2 =84	R3 =84	R4 =90	R5 =84	R6 =78	R7 =92	R8 =79
R9 =22	R10=61	R11=90	R12=53	R13=83	R14=91	R15=80	

Color Quality Scale: Qa= 83.7, Qf= 83.8, Qp= 83.1, Qg= 91.6

Q1 =86	Q2 =99	Q3 =81	Q4 =75	Q5 =81	Q6 =83	Q7 =88	Q8 =93
Q9 =96	Q10=88	Q11=84	Q12=84	Q13=84	Q14=75	Q15=80	





Photometric Parameters

Luminous Flux: 2009.81 lm Efficiency: 80.39 lm/W Radiant Power: 6.335 W
EEI: 0.17 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.40V Current: 0.2090A Power: 25.00W
Power Factor: 0.5180 Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 15 Sec
Max of Signal: 45610 (2837)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4∏
CCD Integration Time: 644.05 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:
Test Device: Inventfine CMS-2S (Plus)
Test Time: 2018-09-30 09:32:42
Inspector:

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Lightsource Test Report

Product Infomation

Product Spec: 24w h　　Product Number: 5

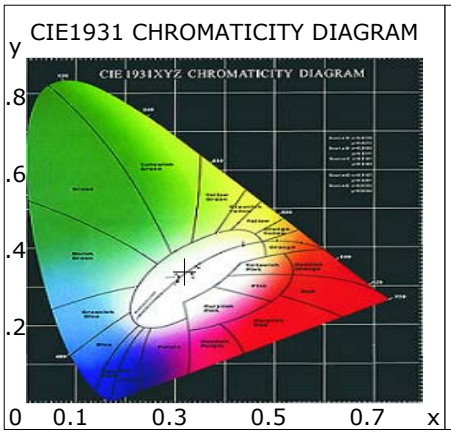
CIE Colorimetric Parameters

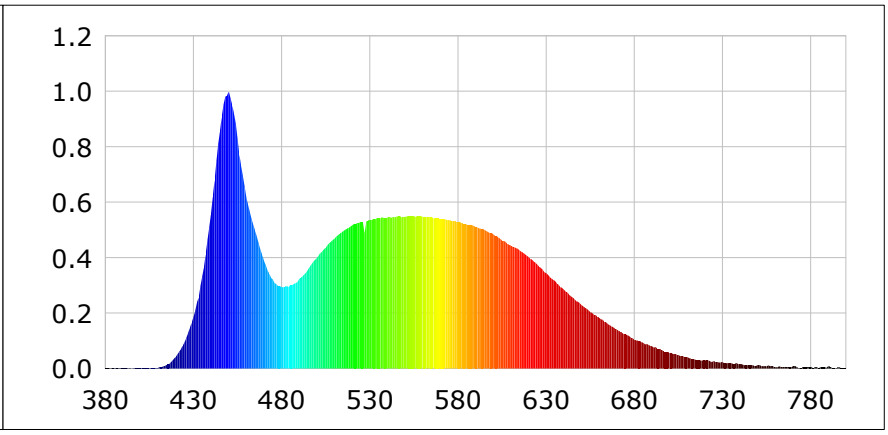
Chromaticity coordinates: x=0.3194 y=0.3415　u(u')=0.1978 v=0.3172 v'=0.4759
CCT: Tc=6098K (duv=0.00627)　　Color Ratio: R=0.137 G=0.809 B=0.054
Peak Wavelength: 449.9nm　　Half Bandwidth: 26.0nm
Dominant Wavelength: 499.5nm　　Color Purity: 0.043
CRI: Ra= 85.2　　TM30: Rf= 82, Rg= 95

R1 =84	R2 =85	R3 =84	R4 =91	R5 =84	R6 =79	R7 =93	R8 =80
R9 =26	R10=63	R11=90	R12=54	R13=84	R14=91	R15=82	

Color Quality Scale: Qa= 83.7, Qf= 83.8, Qp= 83.2, Qg= 91.7

Q1 =86	Q2 =99	Q3 =81	Q4 =74	Q5 =80	Q6 =82	Q7 =88	Q8 =93
Q9 =96	Q10=88	Q11=84	Q12=84	Q13=84	Q14=76	Q15=80	





Photometric Parameters

Luminous Flux: 1960.09 lm　　Efficiency: 80.66 lm/W　　Radiant Power: 6.244 W
EEI: 0.17　　Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.40V　　Current: 0.2050A　　Power: 24.30W
Power Factor: 0.5120　　Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm　　Photometric Method: sphere-spectroradiometer
Stabilization Time: 25 Min　　Photometric Condition: Sphere diameter: 1.00m, 4∏
Max of Signal: 44336 (2956)　　CCD Integration Time: 640.65 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%　　Test Device: Inventfine CMS-2S (Plus)
Test Lab:　　Test Time: 2018-09-30 10:02:17
Operator:　　Inspector:

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Lightsource Test Report

Product Infomation

Product Spec: 18w h　　Product Number: 6

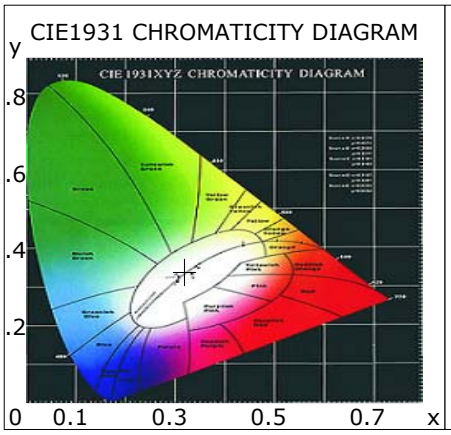
CIE Colorimetric Parameters

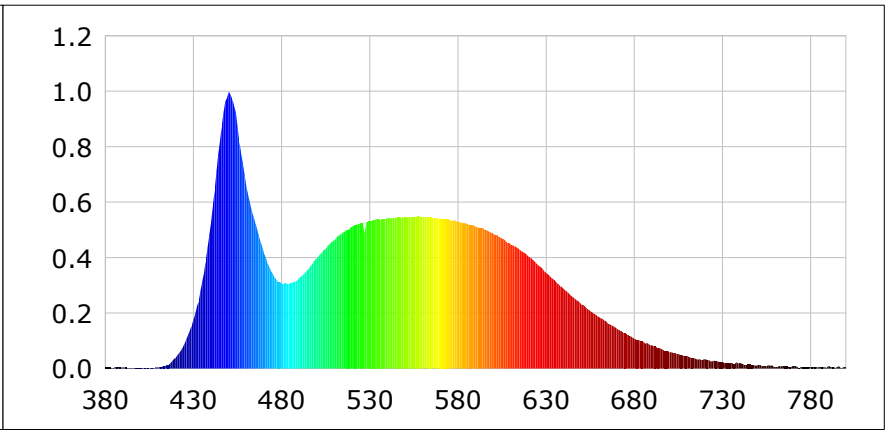
Chromaticity coordinates: x=0.3193 y=0.3402　u(u')=0.1982 v=0.3168 v'=0.4751
CCT: Tc=6108K (duv=0.00565)　　Color Ratio: R=0.138 G=0.806 B=0.055
Peak Wavelength: 450.2nm　　Half Bandwidth: 26.8nm
Dominant Wavelength: 498.1nm　　Color Purity: 0.044
CRI: Ra= 85.8　　TM30: Rf= 82, Rg= 95

R1 =85	R2 =86	R3 =85	R4 =91	R5 =85	R6 =80	R7 =94	R8 =81
R9 =28	R10=65	R11=90	R12=54	R13=85	R14=92	R15=83	

Color Quality Scale: Qa= 83.7, Qf= 83.8, Qp= 83.2, Qg= 91.7

Q1 =86	Q2 =98	Q3 =81	Q4 =74	Q5 =79	Q6 =82	Q7 =88	Q8 =93
Q9 =96	Q10=89	Q11=85	Q12=84	Q13=84	Q14=77	Q15=81	





Photometric Parameters

Luminous Flux: 1508.73 lm　　Efficiency: 83.36 lm/W　　Radiant Power: 4.836 W
EEI: 0.16　　Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.40V　　Current: 0.1490A　　Power: 18.10W
Power Factor: 0.5270　　Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 25 Min
Max of Signal: 45475 (3041)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4∏
CCD Integration Time: 849.99 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%　　Test Device: Inventfine CMS-2S (Plus)
Test Lab:　　Test Time: 2018-09-30 10:04:47
Operator:　　Inspector:

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Lightsource Test Report

Product Infomation

Product Spec: 12w h　　Product Number: 7

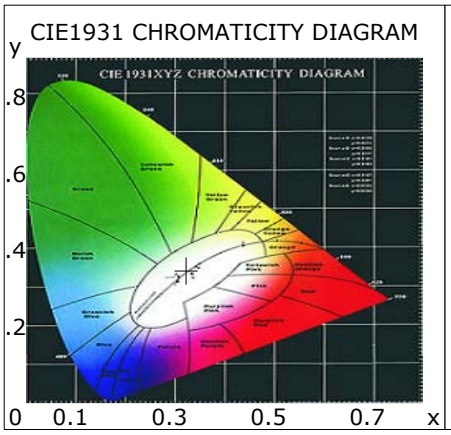
CIE Colorimetric Parameters

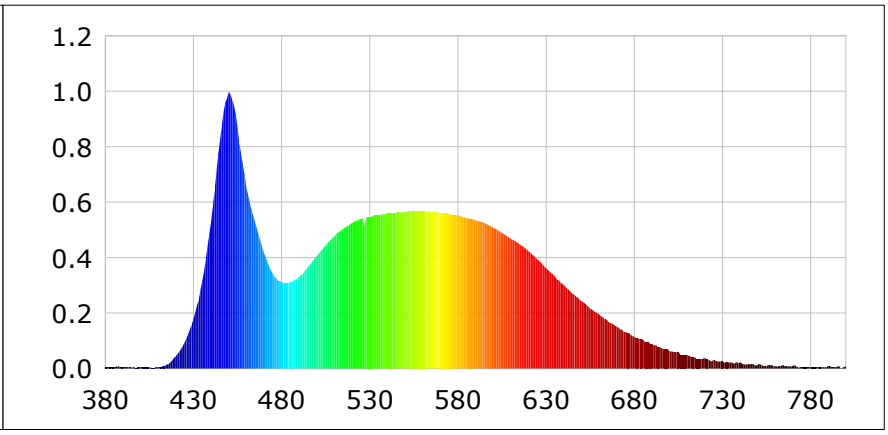
Chromaticity coordinates: x=0.3225 y=0.3440　u(u')=0.1990 v=0.3184 v'=0.4776
CCT: Tc=5942K (duv=0.00601)　　Color Ratio: R=0.140 G=0.806 B=0.054
Peak Wavelength: 450.1nm　　Half Bandwidth: 26.7nm
Dominant Wavelength: 505.3nm　　Color Purity: 0.033
CRI: Ra= 85.5　　TM30: Rf= 82, Rg= 94

R1 =84	R2 =86	R3 =85	R4 =91	R5 =84	R6 =80	R7 =93	R8 =80
R9 =26	R10=64	R11=90	R12=54	R13=84	R14=92	R15=82	

Color Quality Scale: Qa= 83.6, Qf= 83.8, Qp= 82.9, Qg= 91.5

Q1 =85	Q2 =98	Q3 =81	Q4 =74	Q5 =79	Q6 =82	Q7 =87	Q8 =93
Q9 =96	Q10=89	Q11=85	Q12=84	Q13=84	Q14=76	Q15=80	





Photometric Parameters

Luminous Flux: 979.71 lm　　Efficiency: 77.14 lm/W　　Radiant Power: 3.121 W
EEI: 0.17　　Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.50V　　Current: 0.1070A　　Power: 12.70W
Power Factor: 0.5140　　Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm　　Photometric Method: sphere-spectroradiometer
Stabilization Time: 25 Sec　　Photometric Condition: Sphere diameter: 1.00m, 4∏
Max of Signal: 45049 (3159)　　CCD Integration Time: 1345.84 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%　　Test Device: Inventfine CMS-2S (Plus)
Test Lab:　　Test Time: 2018-09-30 10:07:17
Operator:　　Inspector:

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Lightsource Test Report

Product Infomation

Product Spec: 6w h
Product Number: 8

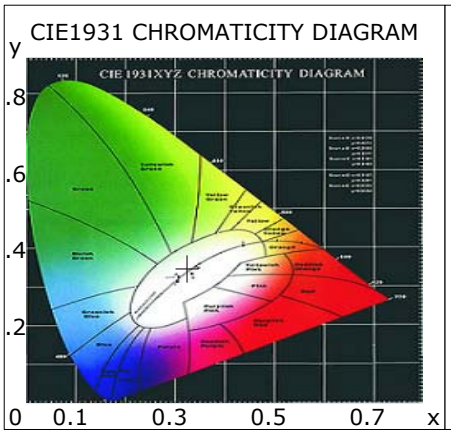
CIE Colorimetric Parameters

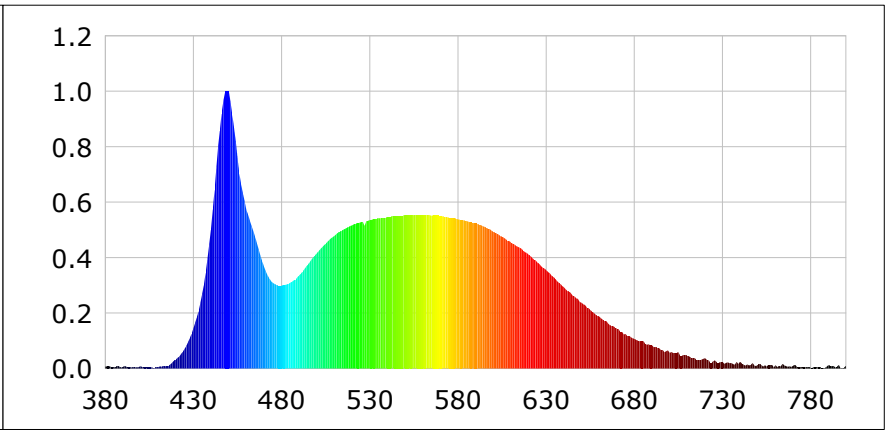
Chromaticity coordinates: x=0.3245 y=0.3496 u(u')=0.1983 v=0.3204 v'=0.4806
CCT: Tc=5842K (duv=0.00785) Color Ratio: R=0.139 G=0.808 B=0.053
Peak Wavelength: 449.5nm Half Bandwidth: 23.8nm
Dominant Wavelength: 518.7nm Color Purity: 0.033
CRI: Ra= 85.0 TM30: Rf= 83, Rg= 94

R1 =83	R2 =85	R3 =86	R4 =90	R5 =84	R6 =80	R7 =93	R8 =79
R9 =22	R10=64	R11=89	R12=54	R13=83	R14=92	R15=80	

Color Quality Scale: Qa= 83.9, Qf= 84.2, Qp= 82.7, Qg= 90.9

Q1 =85	Q2 =98	Q3 =82	Q4 =76	Q5 =81	Q6 =82	Q7 =87	Q8 =92
Q9 =97	Q10=90	Q11=86	Q12=85	Q13=85	Q14=75	Q15=79	





Photometric Parameters

Luminous Flux: 400.26 lm Efficiency: 61.58 lm/W Radiant Power: 1.260 W
EEI: 0.17 Energy Efficiency Class: A (EU 874-2012)

Electric Parameters

Voltage: 230.30V Current: 0.0600A Power: 6.50W
Power Factor: 0.4620 Frequency: 50.00Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 25 Sec
Max of Signal: 45904 (3331)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.00m, 4∏
CCD Integration Time: 2336.04 ms

Condition: Tx:0.0'C, Ti:0.0'C, R.H.:60%
Test Lab:
Operator:
Test Device: Inventfine CMS-2S (Plus)
Test Time: 2018-09-30 10:10:22
Inspector: