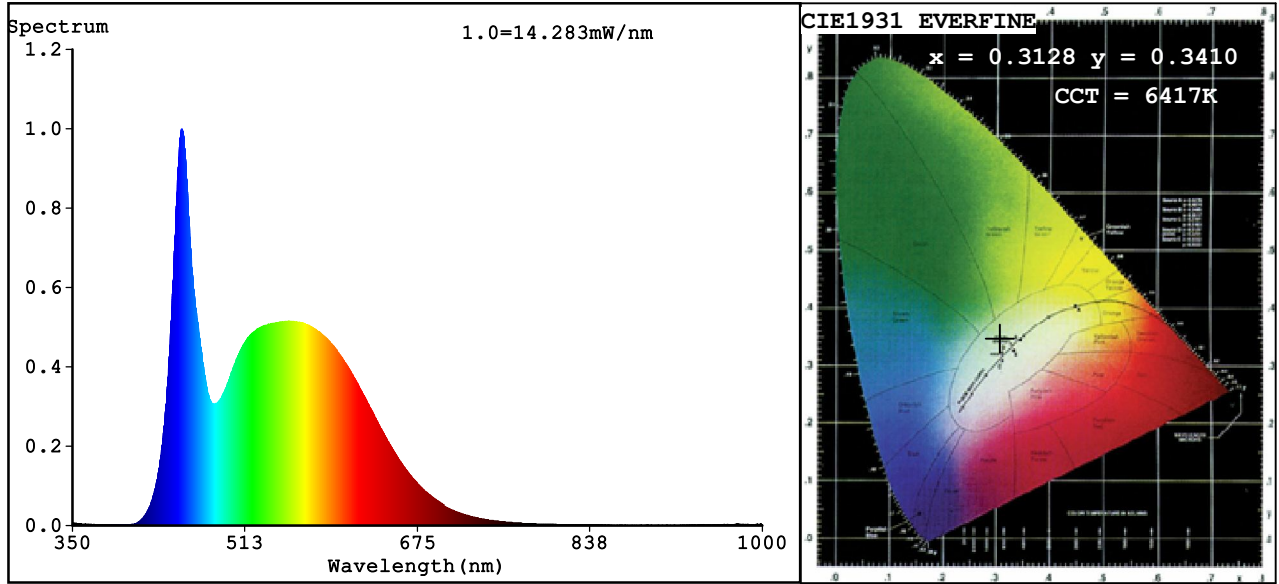


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3128$ $y=0.3410$ $u'=0.1935$ $v'=0.4746$

CCT=6417K (Duv=0.0092) Dominant WL:Ld =496.5nm Purity=6.5%

Ratio:R=13.0% G=81.0% B=6.0%;; Peak WL:Lp=453.3nm FWHM=25.7nm

Render Index:Ra=82.7

R1 =79 R2 =89 R3 =94 R4 =80 R5 =80 R6 =84 R7 =88

R8 =67 R9 =2 R10=73 R11=79 R12=58 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 479.7 lm Eff. : 83.14 lm/W Fe = 1.533 W

Electrical parameters:

V = 229.92 V I = 0.04285 A P = 5.770 W PF = 0.5856

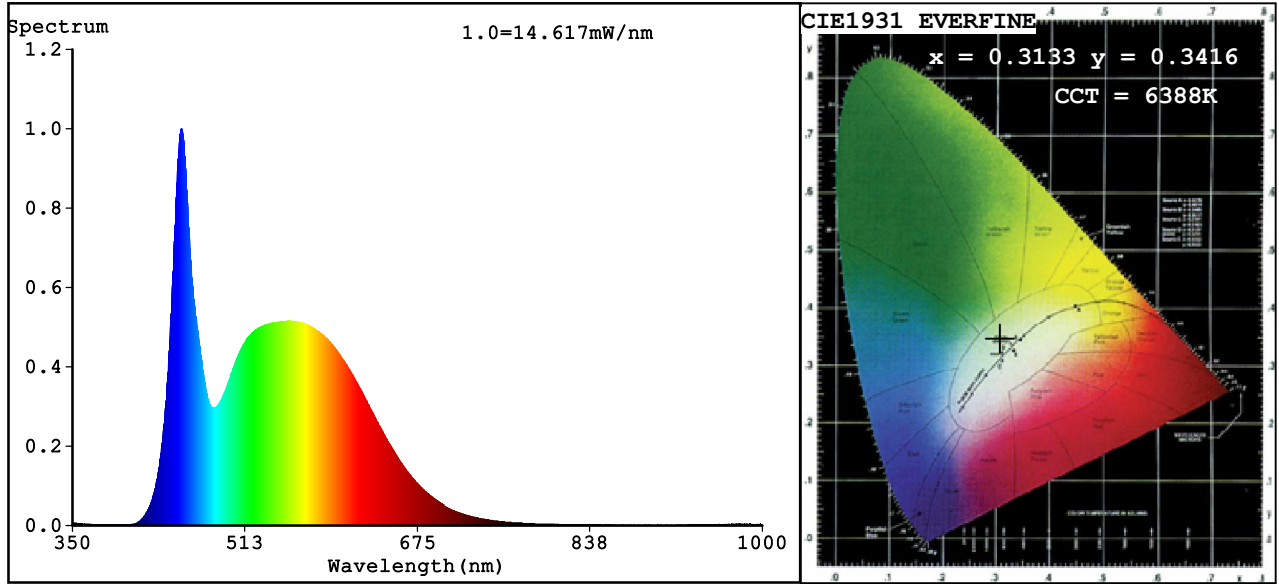
WHITE:OUT

Status: Integral T = 80 ms Ip = 50579 (77%)

Model:LED FLAME/6W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED820
Date:2017-10-24 10:25
Humidity:65.0%
Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3133$ $y=0.3416$ $u'=0.1936$ $v'=0.4750$
 CCT=6388K(Duv=0.0092) Dominant WL:Ld =497.1nm Purity=6.3%
 Ratio:R=13.0% G=81.2% B=5.8%;;Peak WL:Lp=452.7nm FWHM=25.0nm
 Render Index:Ra=82.5
 R1 =79 R2 =88 R3 =94 R4 =80 R5 =80 R6 =84 R7 =88
 R8 =67 R9 =1 R10=72 R11=79 R12=57 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 490.3 lm Eff. : 82.11 lm/W Fe = 1.563 W

Electrical parameters:

V = 229.95 V I = 0.04435 A P = 5.972 W PF = 0.5856

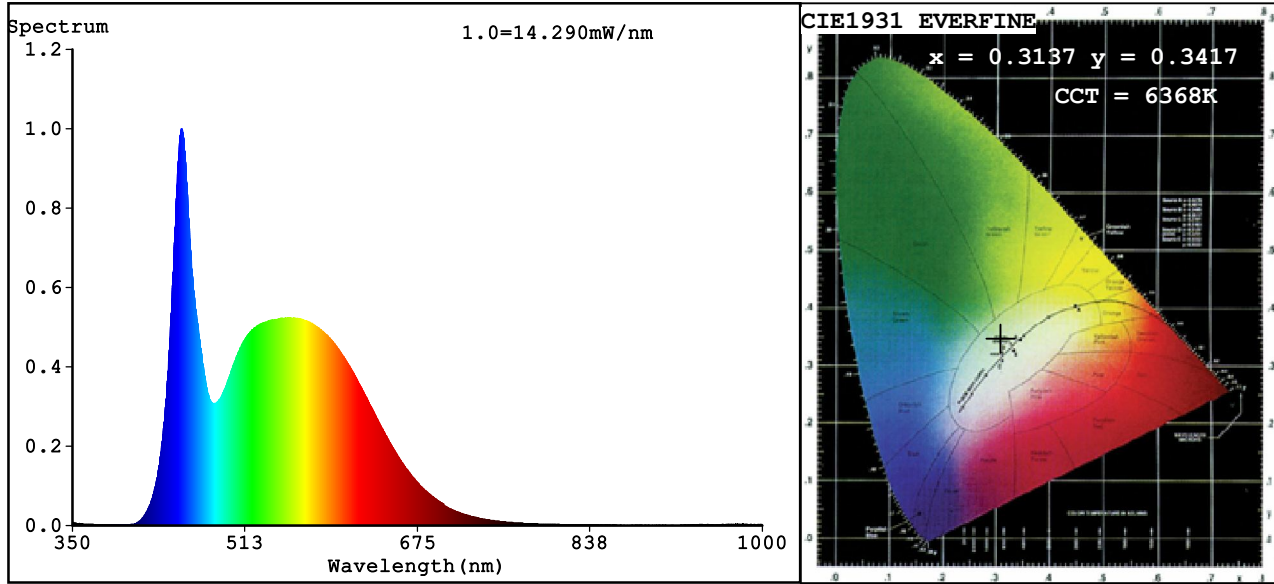
WHITE:OUT

Status: Integral T = 80 ms Ip = 51489 (79%)

Model:LED FLAME/6W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED820
 Date:2017-10-24 10:28
 Humidity:65.0%
 Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3137$ $y=0.3417/u'=0.1939$ $v'=0.4751$
 CCT=6368K(Duv=0.0091) Dominant WL:Ld =497.3nm Purity=6.2%
 Ratio:R=13.1% G=81.1% B=5.9%;;Peak WL:Lp=453.0nm FWHM=25.8nm
 Render Index:Ra=82.8
 R1 =79 R2 =88 R3 =94 R4 =80 R5 =80 R6 =84 R7 =88
 R8 =68 R9 =2 R10=73 R11=79 R12=58 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 488.2 lm Eff. : 81.66 lm/W Fe = 1.559 W

Electrical parameters:

V = 229.99 V I = 0.04442 A P = 5.979 W PF = 0.5853

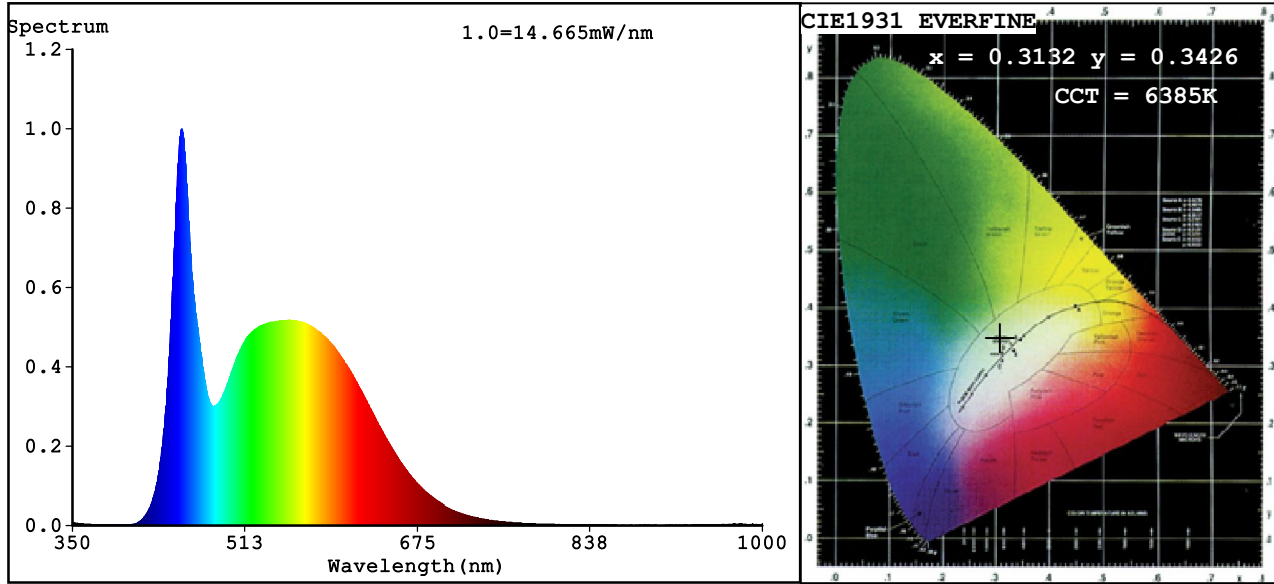
WHITE:OUT

Status: Integral T = 80 ms Ip = 50449 (77%)

Model:LED FLAME/6W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED820
 Date:2017-10-24 10:30
 Humidity:65.0%
 Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3132$ $y=0.3426$ $u'=0.1932$ $v'=0.4755$
 CCT=6385K(Duv=0.0097) Dominant WL:Ld =497.7nm Purity=6.3%
 Ratio:R=12.9% G=81.2% B=5.9%;;Peak WL:Lp=453.3nm FWHM=25.2nm
 Render Index:Ra=82.4
 R1 =79 R2 =88 R3 =94 R4 =79 R5 =80 R6 =84 R7 =88
 R8 =67 R9 =0 R10=72 R11=78 R12=57 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 493.8 lm Eff. : 80.47 lm/W Fe = 1.572 W

Electrical parameters:

V = 230.02 V I = 0.04539 A P = 6.136 W PF = 0.5877

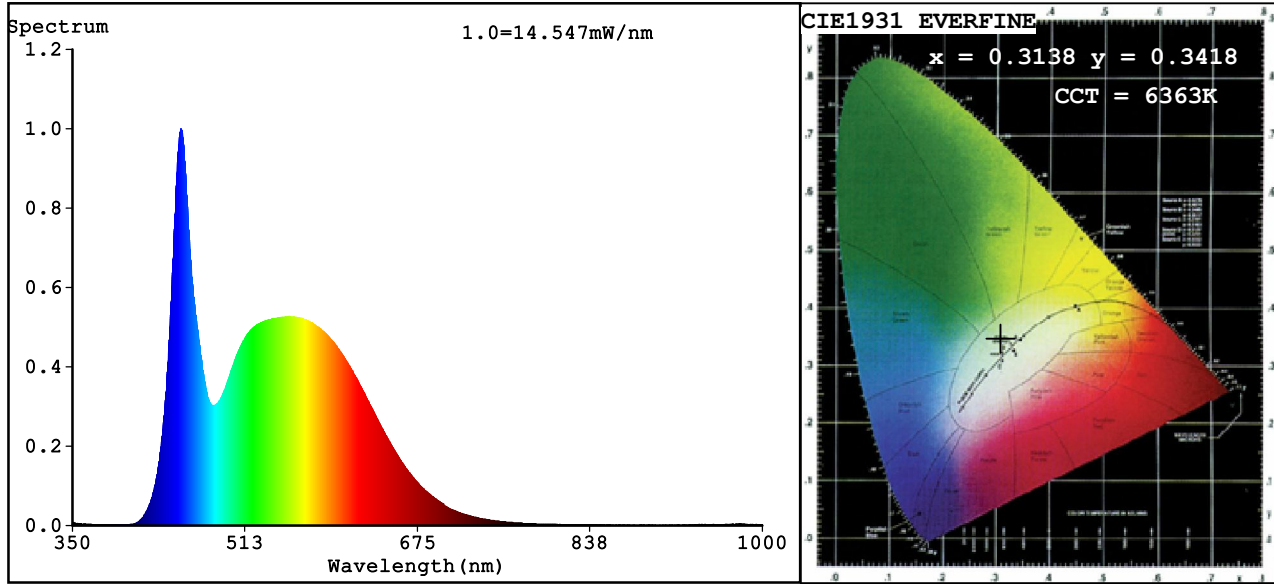
WHITE:OUT

Status: Integral T = 80 ms Ip = 51770 (79%)

Model:LED FLAME/6W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED820
 Date:2017-10-24 10:32
 Humidity:65.0%
 Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3138$ $y=0.3418$ $u'=0.1939$ $v'=0.4752$
CCT=6363K(Duv=0.0091) Dominant WL:Ld =497.3nm Purity=6.1%
Ratio:R=13.0% G=81.2% B=5.8%;;Peak WL:Lp=452.0nm FWHM=25.6nm
Render Index:Ra=82.6
R1 =79 R2 =88 R3 =94 R4 =80 R5 =80 R6 =84 R7 =88
R8 =68 R9 =1 R10=72 R11=79 R12=58 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 498.6 lm Eff. : 81.77 lm/W Fe = 1.590 W

Electrical parameters:

V = 229.99 V I = 0.04507 A P = 6.098 W PF = 0.5883

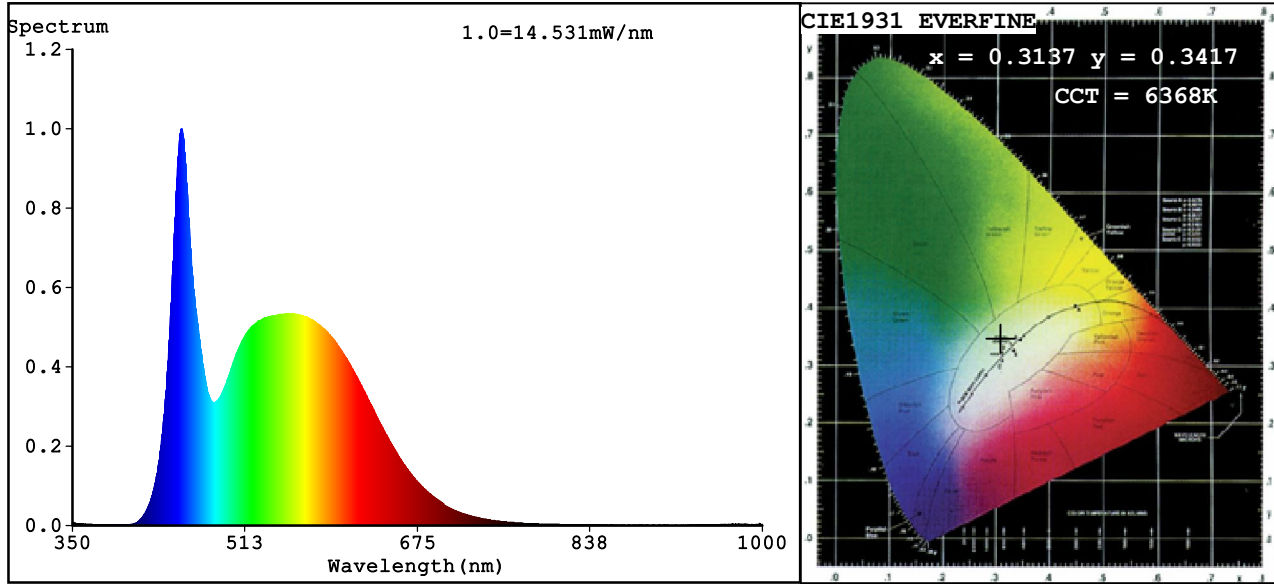
WHITE:OUT

Status: Integral T = 80 ms Ip = 51095 (78%)

Model:LED FLAME/6W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED820
Date:2017-10-24 10:36
Humidity:65.0%
Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3137$ $y=0.3417$ / $u'=0.1938$ $v'=0.4751$
 CCT=6368K (Duv=0.0091) Dominant WL:Ld =497.3nm Purity=6.2%
 Ratio:R=13.0% G=81.1% B=5.9%; Peak WL:Lp=452.7nm FWHM=26.4nm
 Render Index:Ra=82.6
 R1 =79 R2 =88 R3 =94 R4 =80 R5 =80 R6 =84 R7 =88
 R8 =67 R9 =1 R10=72 R11=79 R12=58 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 505.5 lm Eff. : 79.94 lm/W Fe = 1.614 W

Electrical parameters:

V = 229.98 V I = 0.04674 A P = 6.323 W PF = 0.5882

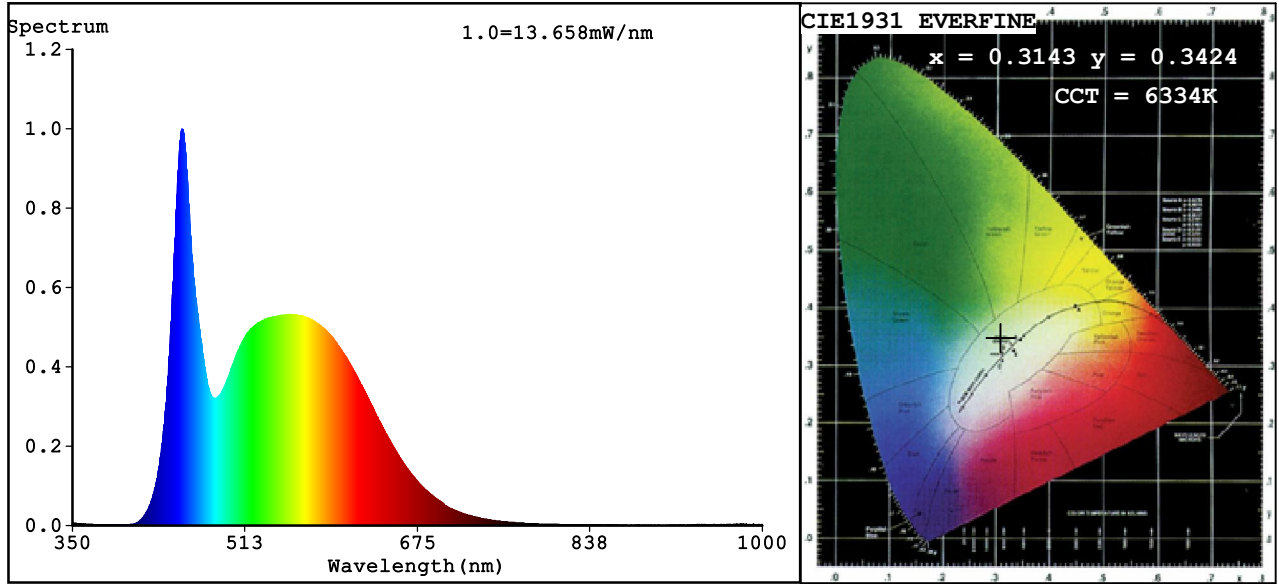
WHITE:OUT

Status: Integral T = 80 ms Ip = 51237 (78%)

Model:LED FLAME/6W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED820
 Date:2017-10-24 10:38
 Humidity:65.0%
 Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3143$ $y=0.3424$ $u'=0.1940$ $v'=0.4756$

CCT=6334K(Duv=0.0091) Dominant WL:Ld =497.9nm Purity=5.9%

Ratio:R=13.1% G=80.9% B=6.0%;;Peak WL:Lp=453.3nm FWHM=26.7nm

Render Index:Ra=82.9

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =80 | R2 =89 | R3 =94 | R4 =80 | R5 =80 | R6 =85 | R7 =88 | |
| R8 =67 | R9 =3 | R10=74 | R11=79 | R12=58 | R13=82 | R14=97 | R15=74 |

Photo Parameters:

Flux = 474.7 lm Eff. : 80.39 lm/W Fe = 1.517 W

Electrical parameters:

V = 230.03 V I = 0.04391 A P = 5.905 W PF = 0.5846

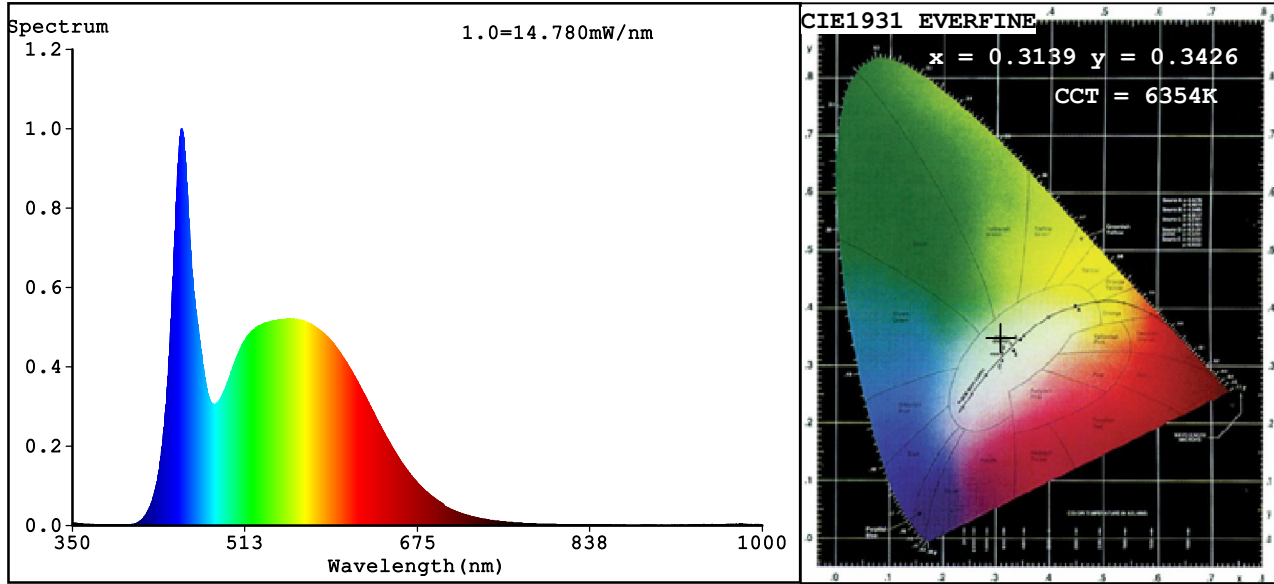
WHITE:OUT

Status: Integral T = 80 ms Ip = 48541 (74%)

Model:LED FLAME/6W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED820
Date:2017-10-24 10:41
Humidity:65.0%
Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3139$ $y=0.3426/u'=0.1937$ $v'=0.4756$

CCT=6354K(Duv=0.0094) Dominant WL:Ld =497.9nm Purity=6.1%

Ratio:R=13.0% G=81.1% B=5.9%;;Peak WL:Lp=453.3nm FWHM=25.6nm

Render Index:Ra=82.6

R1 =79 R2 =88 R3 =94 R4 =80 R5 =80 R6 =84 R7 =88

R8 =67 R9 =1 R10=73 R11=79 R12=57 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 502.1 lm Eff. : 80.56 lm/W Fe = 1.600 W

Electrical parameters:

V = 230.02 V I = 0.04587 A P = 6.232 W PF = 0.5906

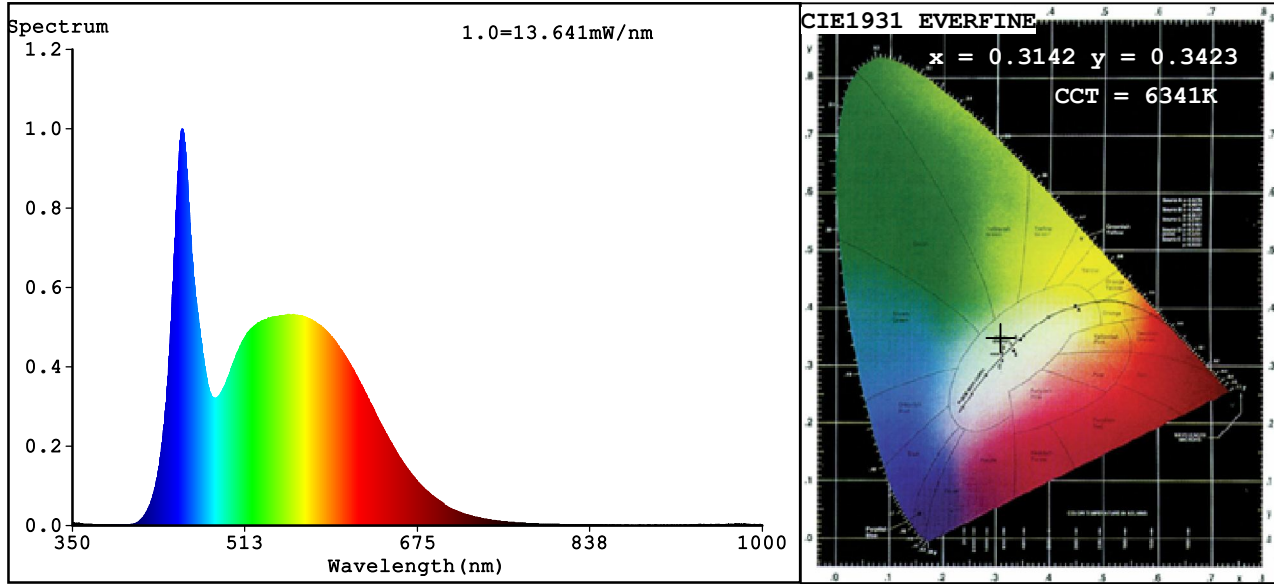
WHITE:OUT

Status: Integral T = 80 ms Ip = 52208 (80%)

Model:LED FLAME/6W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED820
Date:2017-10-24 10:42
Humidity:65.0%
Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3142$ $y=0.3423$ $u'=0.1939$ $v'=0.4755$

CCT=6341K (Duv=0.0091) Dominant WL:Ld =497.8nm Purity=6.0%

Ratio:R=13.1% G=80.9% B=6.0%; Peak WL:Lp=453.3nm FWHM=26.8nm

Render Index:Ra=82.9

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =80 | R2 =89 | R3 =94 | R4 =80 | R5 =80 | R6 =85 | R7 =88 | |
| R8 =67 | R9 =3 | R10=74 | R11=79 | R12=58 | R13=82 | R14=97 | R15=74 |

Photo Parameters:

Flux = 473.8 lm Eff. : 80.20 lm/W Fe = 1.514 W

Electrical parameters:

V = 230.03 V I = 0.04390 A P = 5.907 W PF = 0.5849

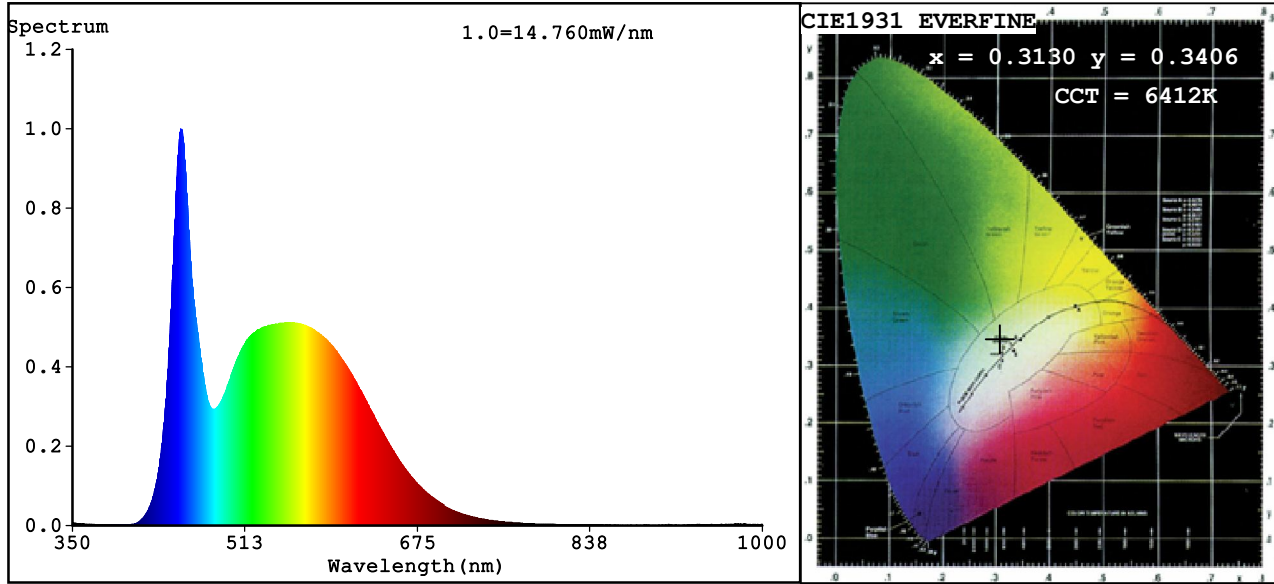
WHITE:OUT

Status: Integral T = 80 ms Ip = 48513 (74%)

Model:LED FLAME/6W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED820
Date:2017-10-24 10:58
Humidity:65.0%
Remarks:017V034B_4066

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3130$ $y=0.3406/u'=0.1938$ $v'=0.4744$
 CCT=6412K(Duv=0.0089) Dominant WL:Ld =496.3nm Purity=6.5%
 Ratio:R=13.0% G=81.2% B=5.8%;;Peak WL:Lp=452.0nm FWHM=24.9nm
 Render Index:Ra=82.6
 R1 =79 R2 =88 R3 =94 R4 =80 R5 =80 R6 =84 R7 =88
 R8 =68 R9 =2 R10=72 R11=79 R12=57 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 491.5 lm Eff. : 81.24 lm/W Fe = 1.570 W

Electrical parameters:

V = 230.06 V I = 0.04481 A P = 6.050 W PF = 0.5869

WHITE:OUT

Status: Integral T = 80 ms Ip = 51916 (79%)

Model:LED FLAME/6W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED820
 Date:2017-10-24 11:01
 Humidity:65.0%
 Remarks:017V034B_4066