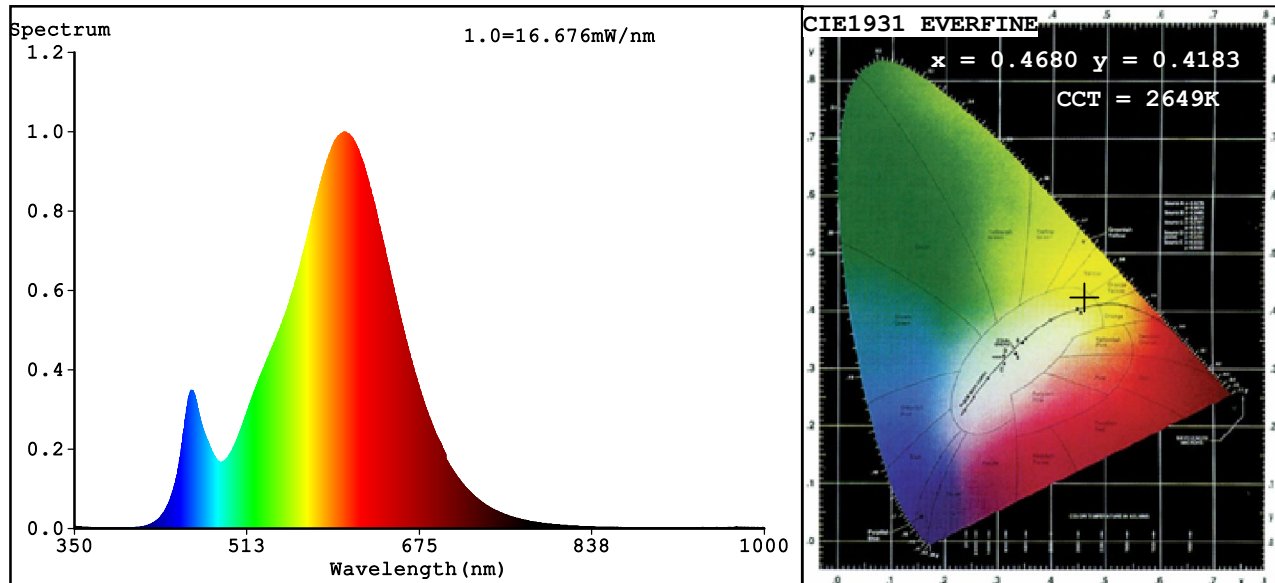


Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4680$ $y=0.4183$ $u'=0.2643$ $v'=0.5315$

CCT=2649K(Duv=0.0022) Dominant WL:Ld =583.8nm Purity=66.0%

Ratio:R=24.9% G=73.0% B=2.1%;;Peak WL:Lp=604.1nm FWHM=117.0nm

Render Index:Ra=78.7

R1 =76 R2 =90 R3 =96 R4 =73 R5 =76 R6 =87 R7 =80

R8 =52 R9 =0 R10=76 R11=69 R12=65 R13=79 R14=98 R15=69

Photo Parameters:

Flux = 760.0 lm Eff. : 115.73 lm/W Fe = 2.338 W

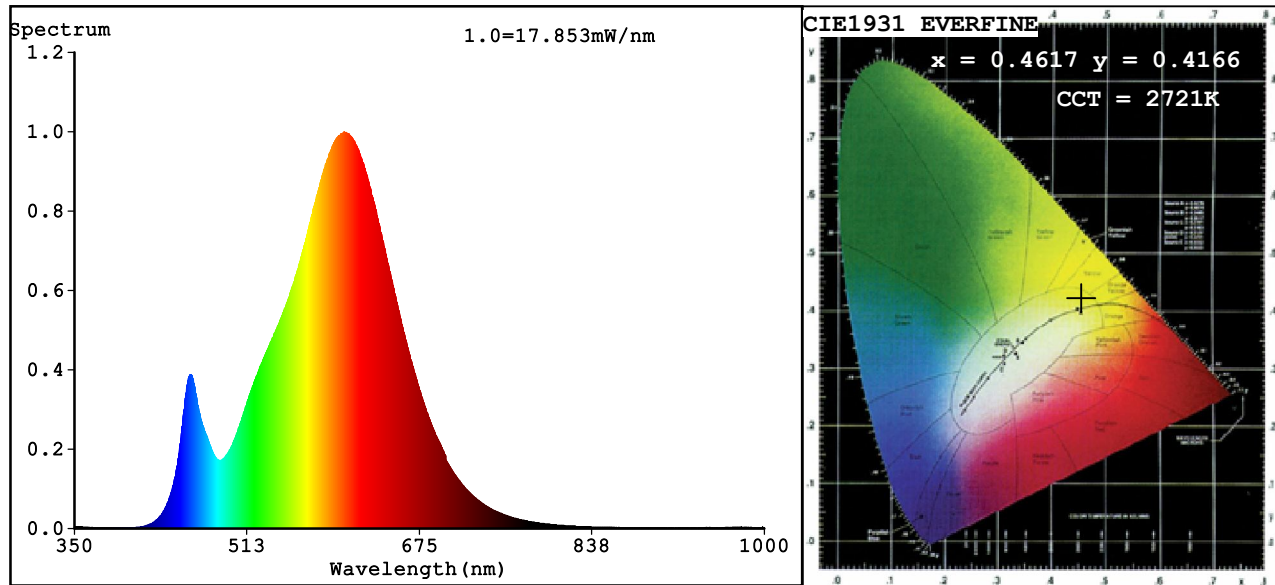
Electrical parameters:

V = 229.92 V I = 0.05301 A P = 6.567 W PF = 0.5388

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 42892 (65%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 09:15
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4617$ $y=0.4166$ $u'=0.2610$ $v'=0.5299$

CCT=2721K(Duv=0.0020) Dominant WL:Ld =583.5nm Purity=63.6%

Ratio:R=24.4% G=73.4% B=2.2%;;Peak WL:Lp=604.1nm FWHM=120.0nm

Render Index:Ra=79.7

R1 =78 R2 =90 R3 =96 R4 =75 R5 =77 R6 =87 R7 =81

R8 =54 R9 =0 R10=76 R11=71 R12=65 R13=80 R14=99 R15=70

Photo Parameters:

Flux = 828.3 lm Eff. : 126.19 lm/W Fe = 2.541 W

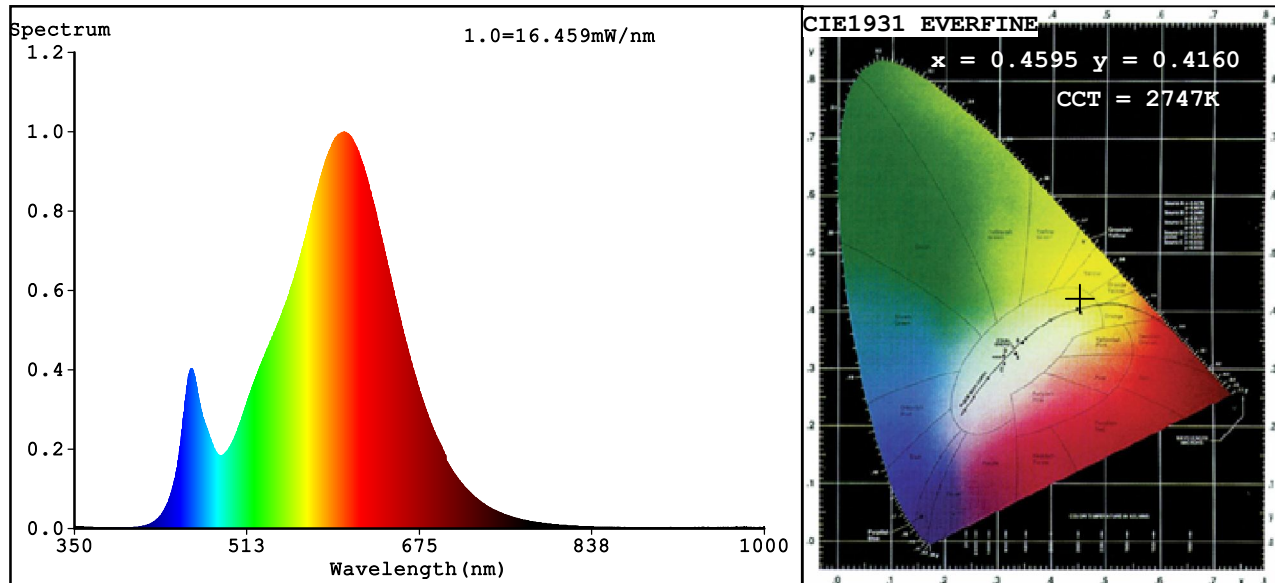
Electrical parameters:

V = 229.92 V I = 0.05281 A P = 6.564 W PF = 0.5406

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 45892 (70%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 09:18
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4595$ $y=0.4160$ $u'=0.2599$ $v'=0.5293$

CCT=2747K(Duv=0.0020) Dominant WL:Ld =583.3nm Purity=62.8%

Ratio:R=24.2% G=73.6% B=2.3%;;Peak WL:Lp=604.1nm FWHM=120.0nm

Render Index:Ra=79.4

R1 =77 R2 =90 R3 =96 R4 =74 R5 =76 R6 =87 R7 =81

R8 =54 R9 =0 R10=77 R11=70 R12=65 R13=80 R14=98 R15=70

Photo Parameters:

Flux = 769.0 lm Eff. : 117.32 lm/W Fe = 2.358 W

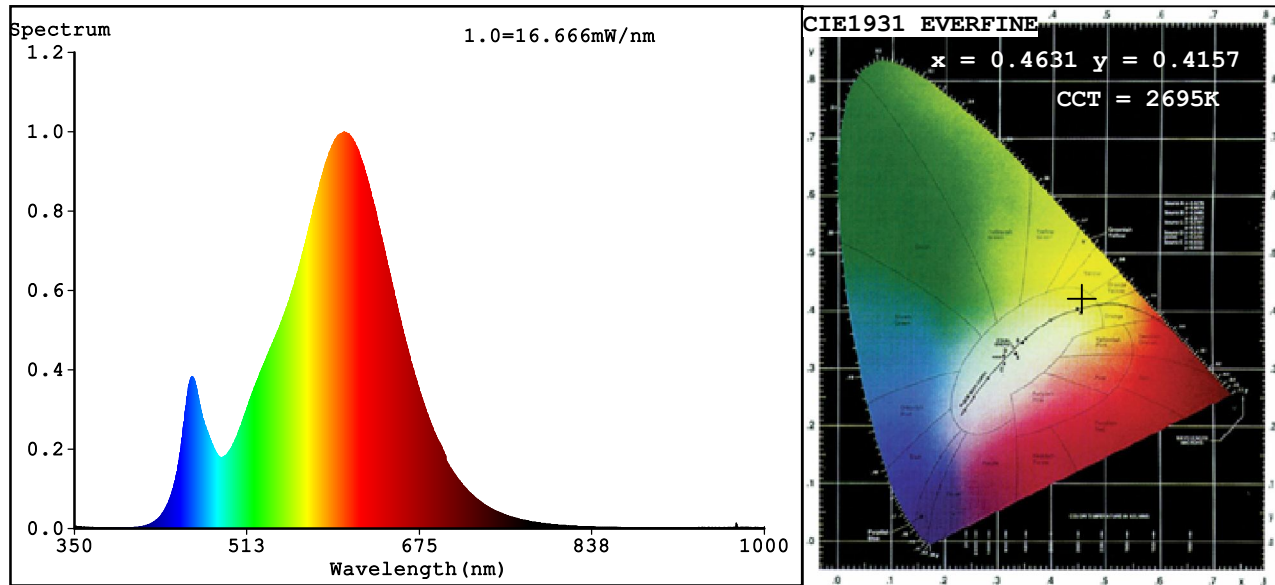
Electrical parameters:

V = 229.91 V I = 0.05253 A P = 6.554 W PF = 0.5427

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 42353 (65%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 09:32
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4631$ $y=0.4157$ $u'=0.2623$ $v'=0.5298$

CCT=2695K(Duv=0.0016) Dominant WL:Ld =583.7nm Purity=63.8%

Ratio:R=24.6% G=73.2% B=2.3%;;Peak WL:Lp=604.1nm FWHM=117.6nm

Render Index:Ra=79.1

R1 =77 R2 =90 R3 =95 R4 =74 R5 =76 R6 =88 R7 =80

R8 =53 R9 =0 R10=77 R11=70 R12=66 R13=80 R14=98 R15=69

Photo Parameters:

Flux = 766.0 lm Eff. : 118.33 lm/W Fe = 2.356 W

Electrical parameters:

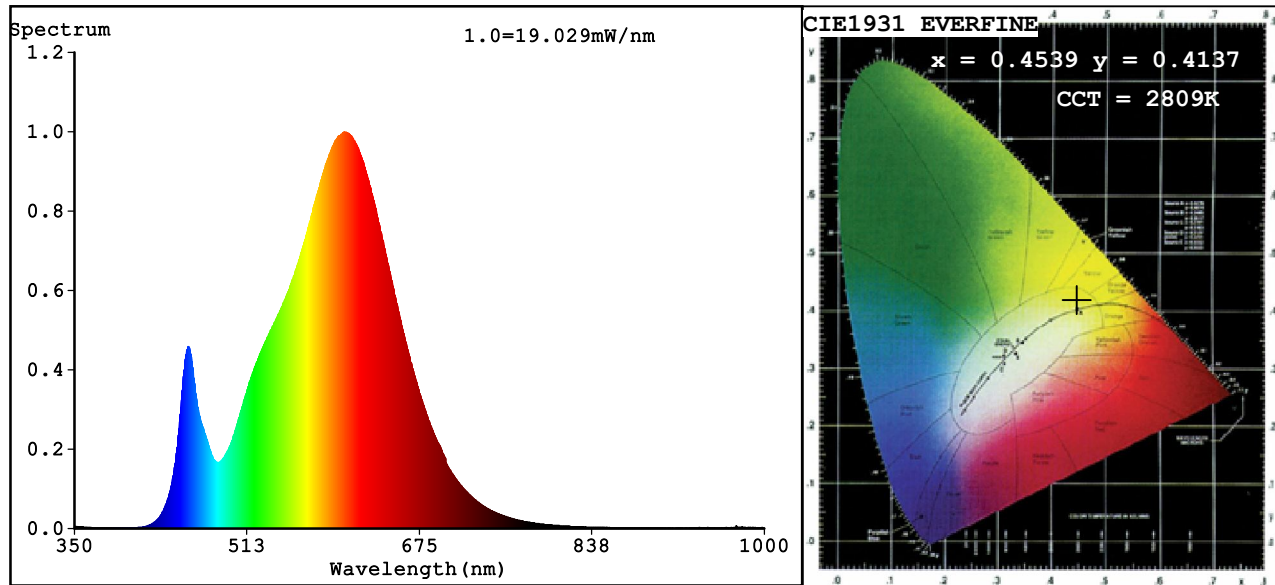
V = 229.93 V I = 0.05245 A P = 6.473 W PF = 0.5367

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 42871 (65%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 10:48
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4539$ $y=0.4137$ $u'=0.2573$ $v'=0.5276$

CCT=2809K (Duv=0.0017) Dominant WL:Ld =583.1nm Purity=60.4%

Ratio:R=23.9% G=73.8% B=2.2%; Peak WL:Lp=604.1nm FWHM=124.6nm

Render Index:Ra=81.0

R1 =79 R2 =90 R3 =97 R4 =77 R5 =78 R6 =88 R7 =82

R8 =57 R9 =4 R10=77 R11=75 R12=64 R13=82 R14=99 R15=72

Photo Parameters:

Flux = 901.6 lm Eff. : 135.88 lm/W Fe = 2.753 W

Electrical parameters:

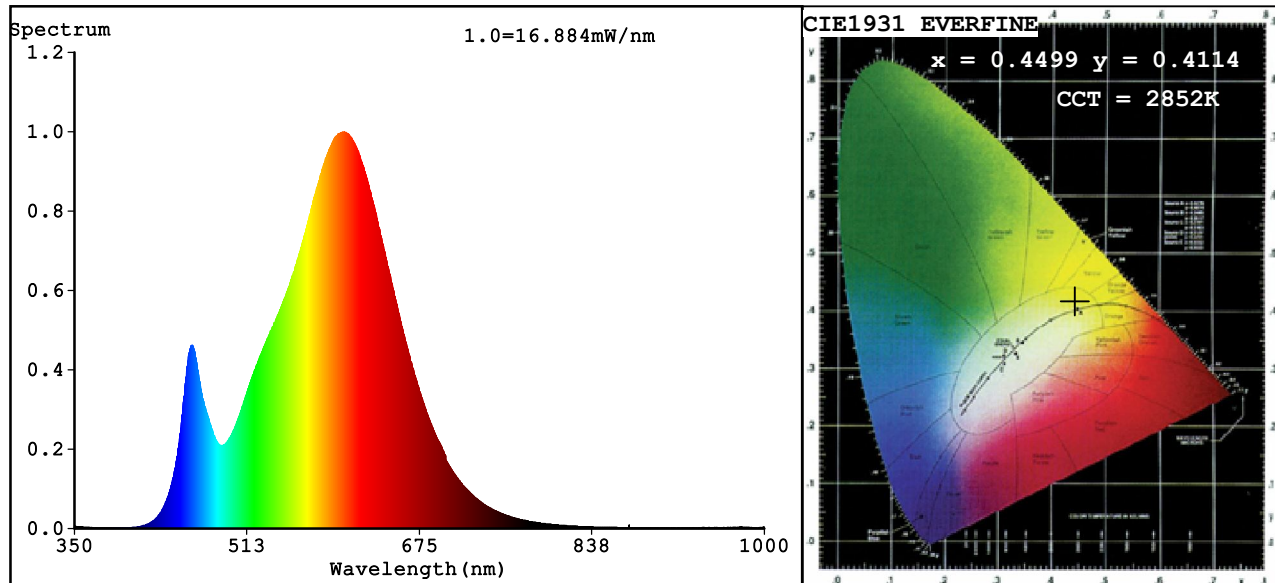
V = 229.93 V I = 0.05301 A P = 6.635 W PF = 0.5444

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 48897 (75%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED769
Date:2018-03-26 11:14
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4499$ $y=0.4114$ / $u'=0.2557$ $v'=0.5262$

CCT=2852K(Duv=0.0013) Dominant WL:Ld =583.1nm Purity=58.5%

Ratio:R=23.6% G=73.9% B=2.6%;;Peak WL:Lp=604.1nm FWHM=124.0nm

Render Index:Ra=80.6

R1 =79 R2 =91 R3 =95 R4 =75 R5 =78 R6 =89 R7 =81

R8 =56 R9 =3 R10=79 R11=72 R12=67 R13=82 R14=98 R15=72

Photo Parameters:

Flux = 807.9 lm Eff. : 124.99 lm/W Fe = 2.488 W

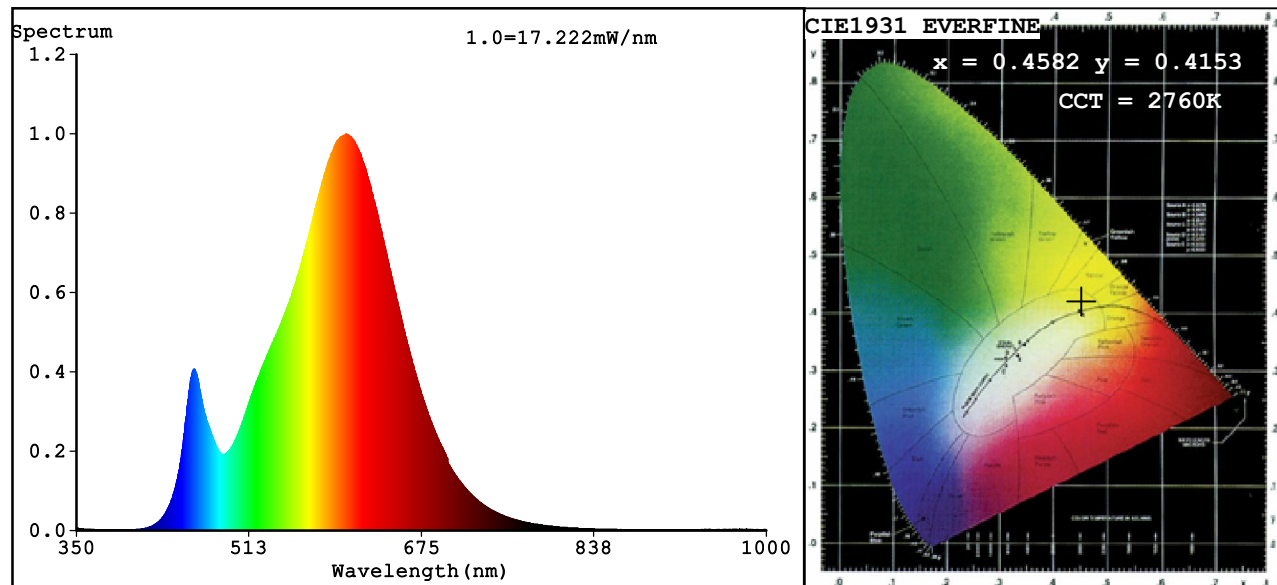
Electrical parameters:

V = 229.95 V I = 0.05237 A P = 6.464 W PF = 0.5367

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 43445 (66%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 11:29
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4582$ $y=0.4153$ $u'=0.2593$ $v'=0.5289$

CCT=2760K(Duv=0.0019) Dominant WL:Ld =583.3nm Purity=62.2%

Ratio:R=24.1% G=73.5% B=2.4%;;Peak WL:Lp=604.1nm FWHM=120.1nm

Render Index:Ra=79.8

R1 =78 R2 =91 R3 =95 R4 =74 R5 =77 R6 =88 R7 =80

R8 =54 R9 =0 R10=78 R11=71 R12=67 R13=81 R14=98 R15=70

Photo Parameters:

Flux = 805.2 lm Eff. : 124.79 lm/W Fe = 2.471 W

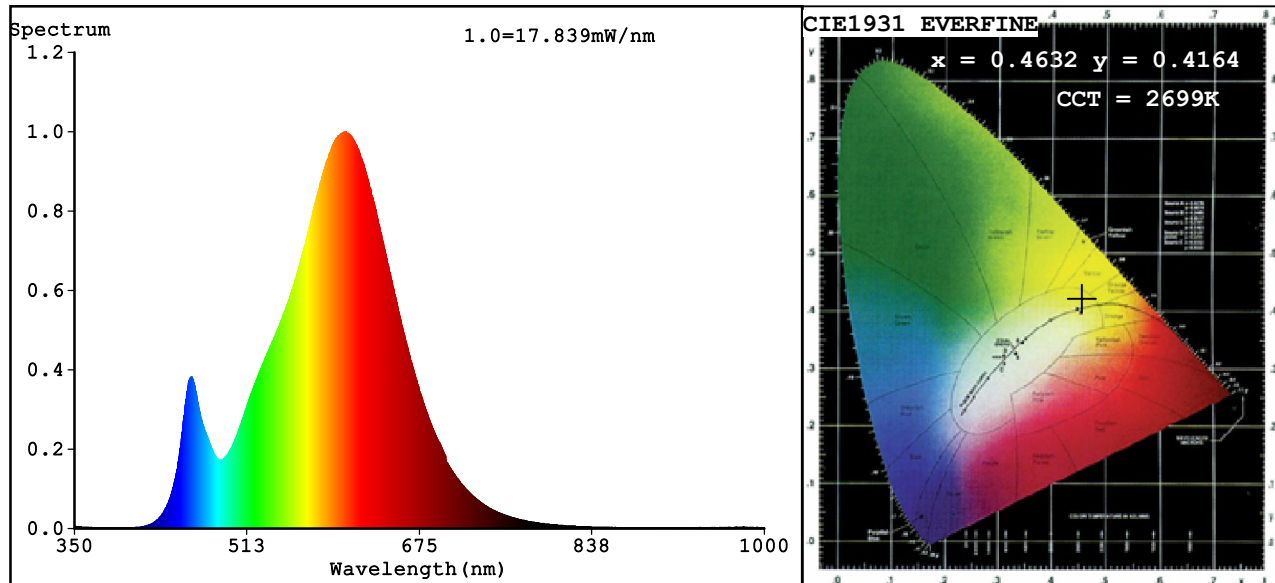
Electrical parameters:

V = 229.95 V I = 0.05222 A P = 6.452 W PF = 0.5373

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 44269 (68%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 13:39
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4632$ $y=0.4164$ $u'=0.2621$ $v'=0.5300$

CCT=2699K(Duv=0.0018) Dominant WL:Ld =583.6nm Purity=64.0%

Ratio:R=24.6% G=73.2% B=2.2%;;Peak WL:Lp=604.1nm FWHM=118.6nm

Render Index:Ra=79.4

R1 =77 R2 =90 R3 =96 R4 =74 R5 =77 R6 =88 R7 =80

R8 =54 R9 =0 R10=77 R11=71 R12=66 R13=80 R14=98 R15=70

Photo Parameters:

Flux = 822.4 lm Eff. : 122.92 lm/W Fe = 2.525 W

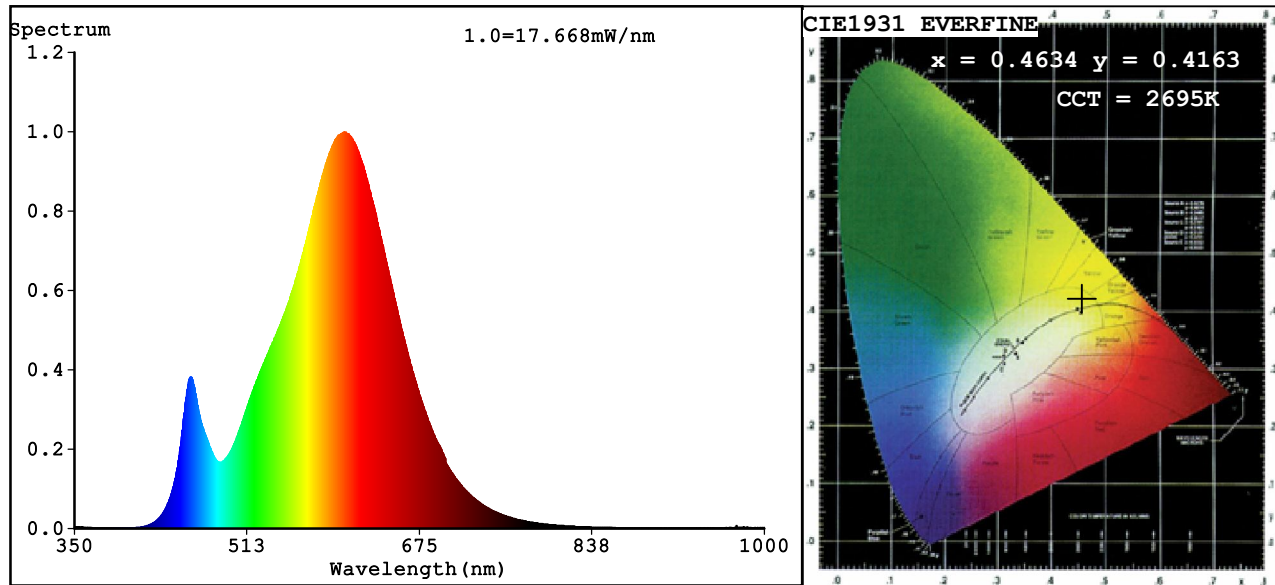
Electrical parameters:

V = 229.93 V I = 0.05353 A P = 6.690 W PF = 0.5435

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 45868 (70%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 13:42
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4634$ $y=0.4163$ $u'=0.2622$ $v'=0.5300$

CCT=2695K(Duv=0.0018) Dominant WL:Ld =583.7nm Purity=64.1%

Ratio:R=24.5% G=73.3% B=2.2%;;Peak WL:Lp=604.1nm FWHM=117.3nm

Render Index:Ra=79.0

R1 =77 R2 =90 R3 =96 R4 =74 R5 =76 R6 =87 R7 =80

R8 =53 R9 =0 R10=76 R11=70 R12=65 R13=80 R14=98 R15=69

Photo Parameters:

Flux = 811.8 lm Eff. : 122.60 lm/W Fe = 2.480 W

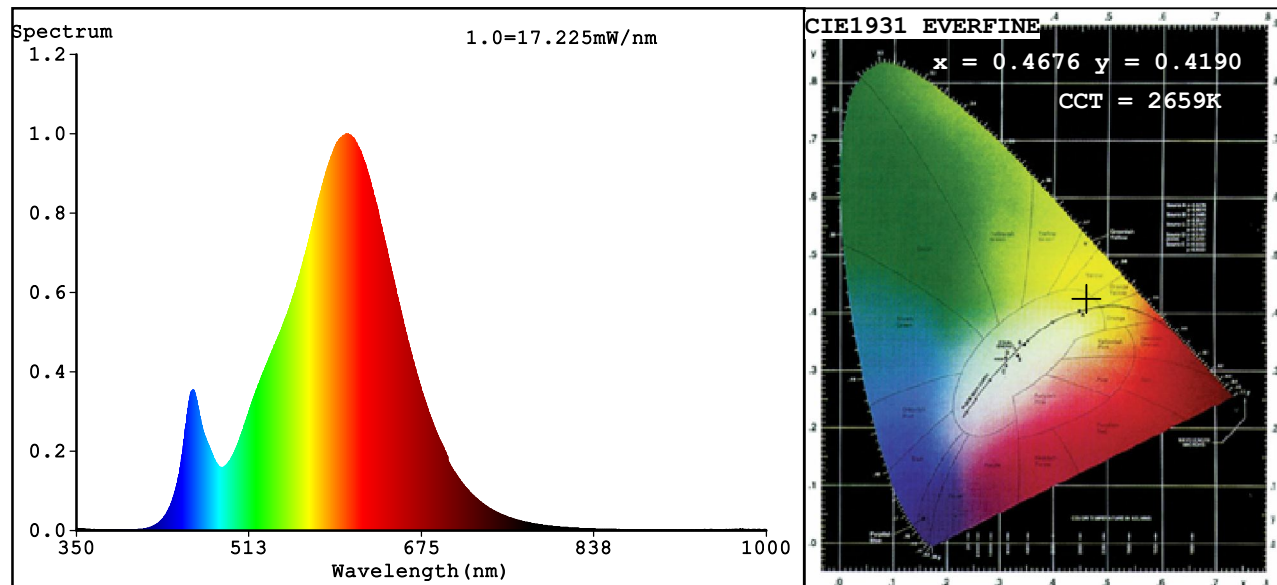
Electrical parameters:

V = 229.95 V I = 0.05333 A P = 6.621 W PF = 0.5399

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 45484 (69%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 13:47
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.4676$ $y=0.4190$ $u'=0.2637$ $v'=0.5316$

CCT=2659K(Duv=0.0024) Dominant WL:Ld =583.7nm Purity=66.1%

Ratio:R=24.8% G=73.2% B=2.0%;;Peak WL:Lp=605.8nm FWHM=118.3nm

Render Index:Ra=79.0

R1 =77 R2 =89 R3 =96 R4 =74 R5 =76 R6 =86 R7 =81

R8 =53 R9 =0 R10=75 R11=70 R12=64 R13=79 R14=99 R15=69

Photo Parameters:

Flux = 789.2 lm Eff. : 122.26 lm/W Fe = 2.422 W

Electrical parameters:

V = 229.95 V I = 0.05175 A P = 6.455 W PF = 0.5424

WHITE:ANSI_2700K

Status: Integral T = 51 ms Ip = 44345 (68%)

Model:LED FILAMENT VINTAGE ST64/8W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED769
Date:2018-03-26 13:52
Humidity:65.0%
Remarks:017A045_4393