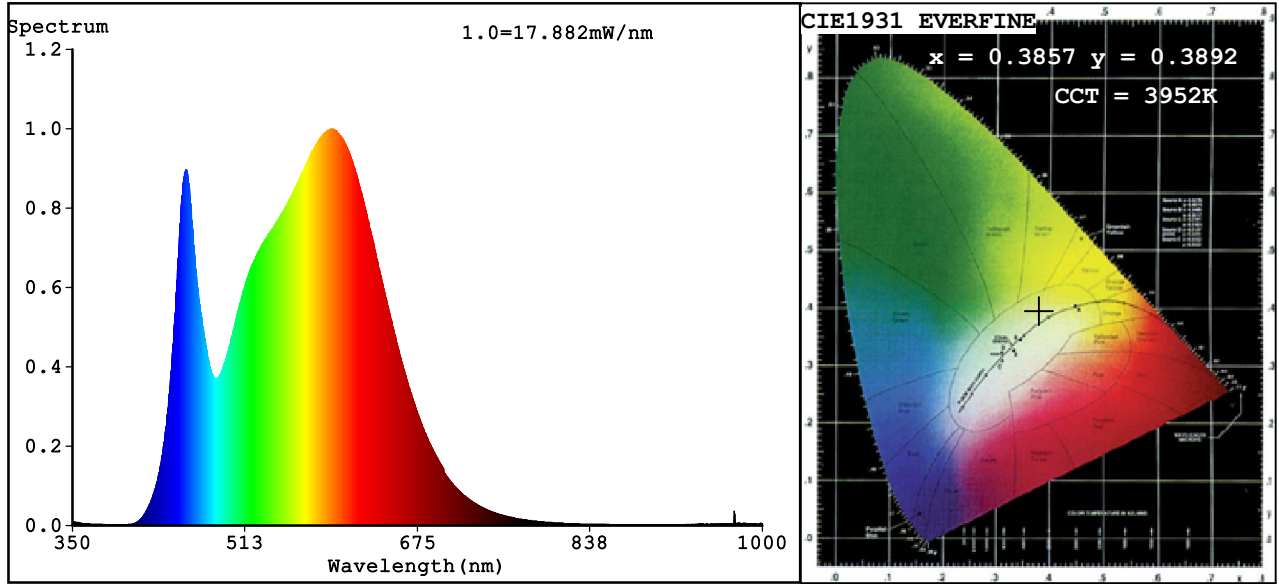


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3857$ $y=0.3892$ $u'=0.2236$ $v'=0.5077$
 CCT=3952K(Duv=0.0042) Dominant WL:Ld =577.3nm Purity=32.6%
 Ratio:R=18.3% G=77.8% B=3.9%;;Peak WL:Lp=595.5nm FWHM=149.7nm
 Render Index:Ra=83.3
 R1 =81 R2 =91 R3 =97 R4 =80 R5 =81 R6 =88 R7 =86
 R8 =64 R9 =8 R10=78 R11=78 R12=62 R13=84 R14=98 R15=74

Photo Parameters:

Flux = 1032 lm Eff. : 89.39 lm/W Fe = 3.129 W

Electrical parameters:

V = 229.94 V I = 0.05563 A P = 11.55 W PF = 0.9029

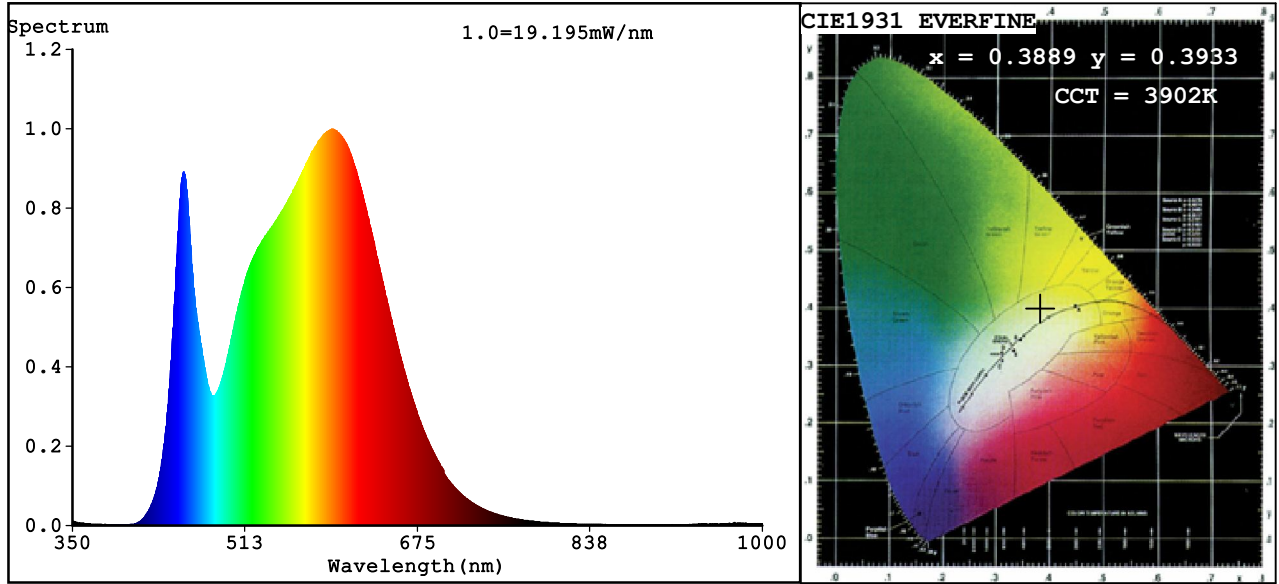
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 39051 (60%)

Model:LED PEAR A67 Dimmable/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED582
 Date:2017-10-10 16:10
 Humidity:65.0%
 Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3889$ $y=0.3933$ $u'=0.2241$ $v'=0.5099$
 CCT=3902K(Duv=0.0052) Dominant WL:Ld =577.1nm Purity=34.8%
 Ratio:R=18.3% G=78.0% B=3.6%;; Peak WL:Lp=595.5nm FWHM=150.2nm
 Render Index:Ra=83.0
 R1 =81 R2 =90 R3 =97 R4 =81 R5 =80 R6 =86 R7 =86
 R8 =64 R9 =7 R10=76 R11=79 R12=60 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 1111 lm Eff. : 94.58 lm/W Fe = 3.329 W

Electrical parameters:

V = 229.97 V I = 0.05611 A P = 11.74 W PF = 0.9099

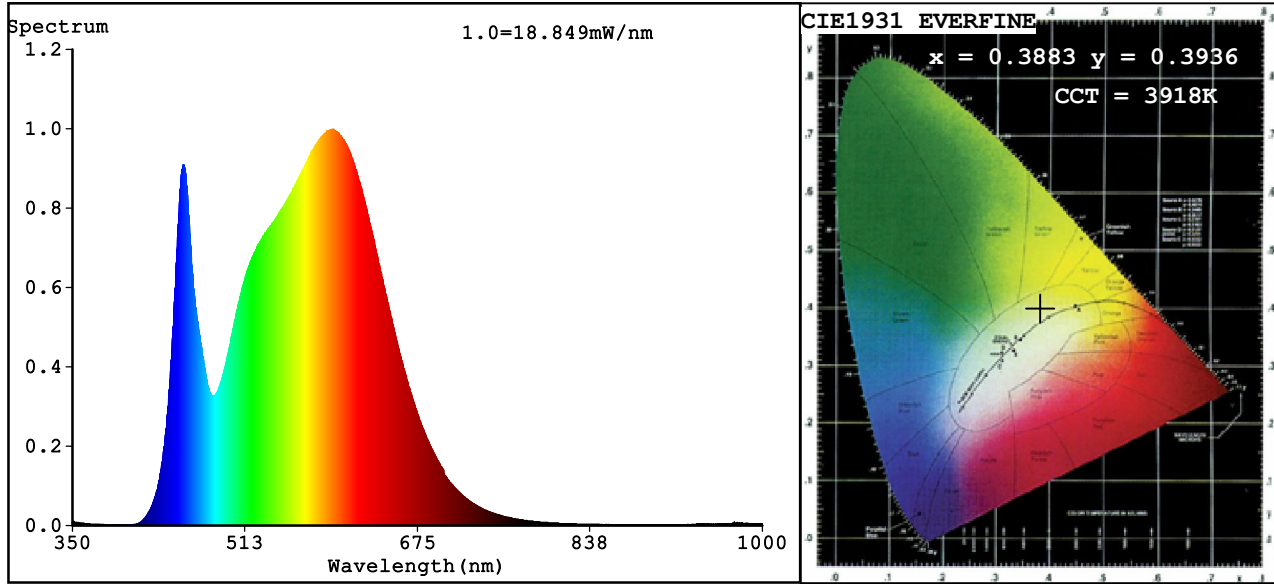
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 41809 (64%)

Model:LED PEAR A67 Dimmable/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED582
 Date:2017-10-10 16:12
 Humidity:65.0%
 Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3883$ $y=0.3936$ / $u'=0.2236$ $v'=0.5100$
 CCT=3918K (Duv=0.0055) Dominant WL:Ld =576.9nm Purity=34.7%
 Ratio:R=18.3% G=78.1% B=3.6%;; Peak WL:Lp=595.5nm FWHM=150.9nm
 Render Index:Ra=83.1
 R1 =81 R2 =90 R3 =97 R4 =81 R5 =80 R6 =86 R7 =87
 R8 =64 R9 =8 R10=75 R11=79 R12=59 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 1096 lm Eff. : 93.49 lm/W Fe = 3.282 W

Electrical parameters:

V = 229.98 V I = 0.05609 A P = 11.72 W PF = 0.9087

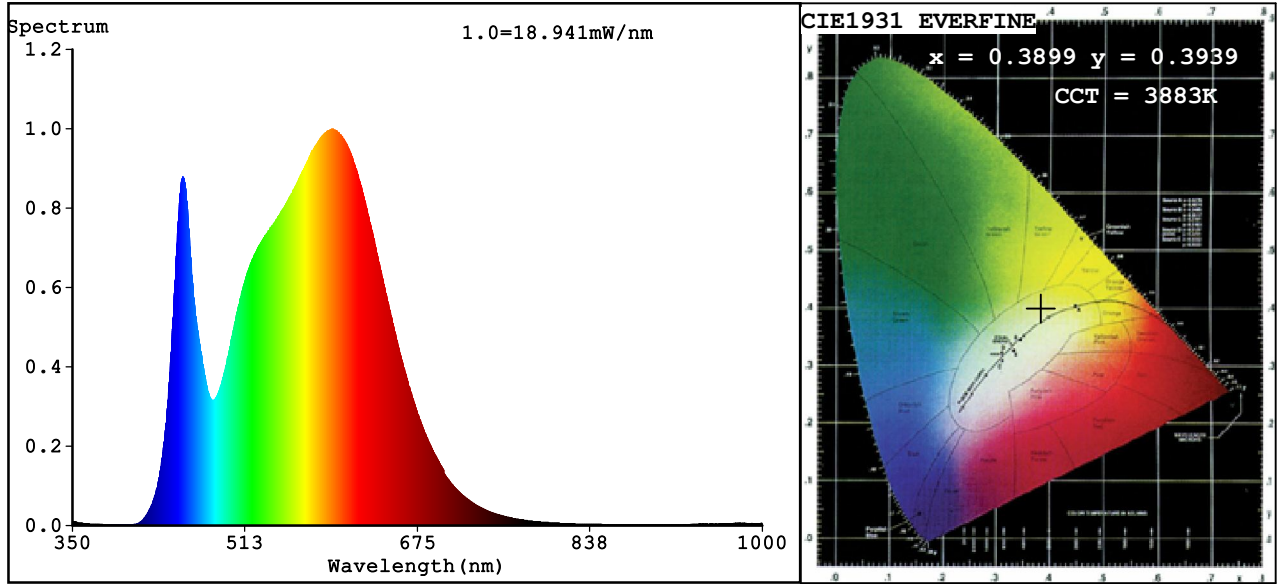
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 41099 (63%)

Model:LED PEAR A67 Dimmable/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED582
 Date:2017-10-10 16:13
 Humidity:65.0%
 Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3899$ $y=0.3939$ $u'=0.2245$ $v'=0.5103$

CCT=3883K(Duv=0.0052) Dominant WL:Ld =577.2nm Purity=35.2%

Ratio:R=18.4% G=78.1% B=3.5%;;Peak WL:Lp=595.5nm FWHM=150.5nm

Render Index:Ra=83.0

R1 =81 R2 =89 R3 =96 R4 =81 R5 =80 R6 =86 R7 =87

R8 =64 R9 =7 R10=75 R11=80 R12=60 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 1097 lm Eff. : 93.40 lm/W Fe = 3.283 W

Electrical parameters:

V = 229.98 V I = 0.05600 A P = 11.74 W PF = 0.9117

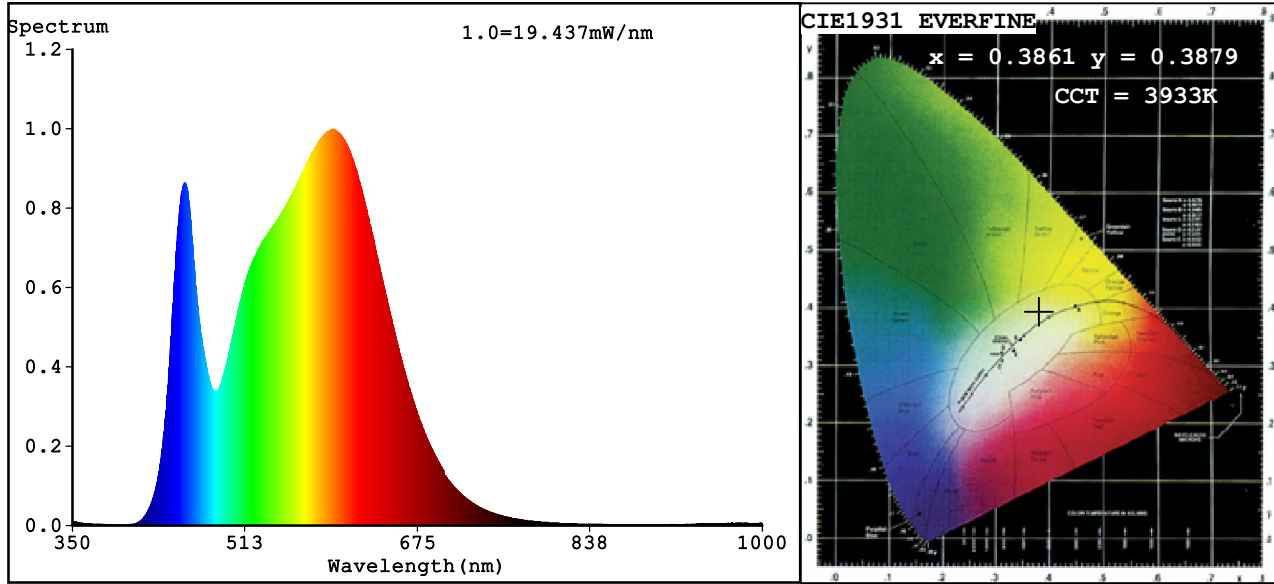
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 41289 (63%)

Model:LED PEAR A67 Dimmable/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED582
Date:2017-10-10 16:14
Humidity:65.0%
Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3861$ $y=0.3879$ $u'=0.2244$ $v'=0.5072$
 CCT=3933K(Duv=0.0035) Dominant WL:Ld =577.6nm Purity=32.3%
 Ratio:R=18.4% G=77.9% B=3.7%;;Peak WL:Lp=595.5nm FWHM=149.6nm
 Render Index:Ra=83.5
 R1 =82 R2 =90 R3 =96 R4 =81 R5 =81 R6 =87 R7 =86
 R8 =64 R9 =10 R10=77 R11=80 R12=62 R13=84 R14=98 R15=75

Photo Parameters:

Flux = 1122 lm Eff. : 95.00 lm/W Fe = 3.397 W

Electrical parameters:

V = 229.94 V I = 0.05657 A P = 11.82 W PF = 0.9083

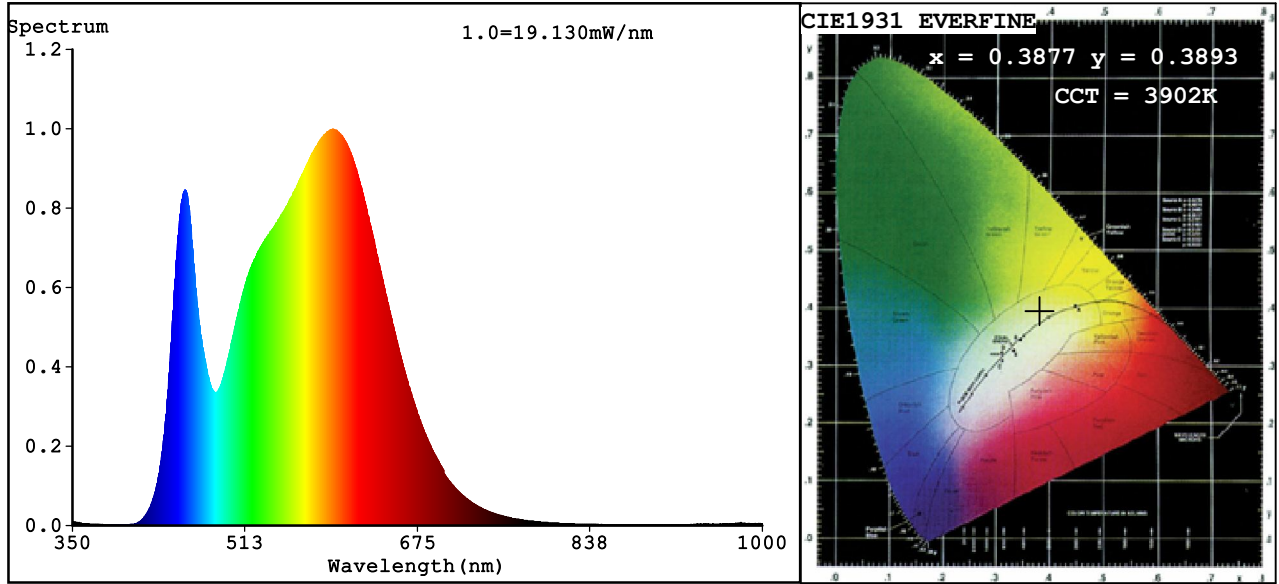
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 42270 (65%)

Model:LED PEAR A67 Dimmable/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED582
 Date:2017-10-10 16:15
 Humidity:65.0%
 Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3877$ $y=0.3893$ / $u'=0.2249$ $v'=0.5081$
CCT=3902K (Duv=0.0037) Dominant WL:Ld =577.7nm Purity=33.2%
Ratio:R=18.5% G=77.8% B=3.7%;; Peak WL:Lp=595.5nm FWHM=149.5nm
Render Index:Ra=83.5
R1 =82 R2 =90 R3 =97 R4 =81 R5 =81 R6 =87 R7 =86
R8 =64 R9 =9 R10=77 R11=80 R12=62 R13=84 R14=98 R15=75

Photo Parameters:

Flux = 1101 lm Eff. : 95.36 lm/W Fe = 3.327 W

Electrical parameters:

V = 229.96 V I = 0.05530 A P = 11.55 W PF = 0.9084

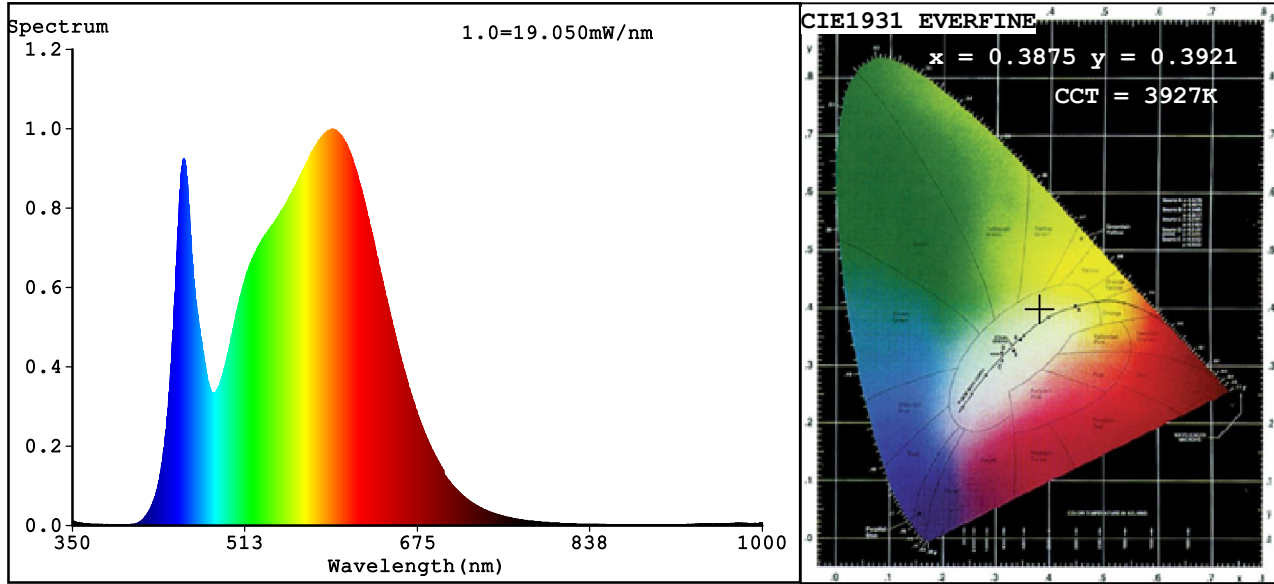
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 41577 (63%)

Model:LED PEAR A67 Dimmable/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED582
Date:2017-10-10 16:16
Humidity:65.0%
Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3875$ $y=0.3921$ / $u'=0.2237$ $v'=0.5092$
 CCT=3927K (Duv=0.0050) Dominant WL:Ld =577.1nm Purity=34.0%
 Ratio:R=18.3% G=78.0% B=3.7%; Peak WL:Lp=595.5nm FWHM=150.5nm
 Render Index:Ra=83.2
 R1 =81 R2 =90 R3 =97 R4 =81 R5 =81 R6 =86 R7 =86
 R8 =64 R9 =8 R10=76 R11=79 R12=60 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 1105 lm Eff. : 94.56 lm/W Fe = 3.319 W

Electrical parameters:

V = 229.97 V I = 0.05579 A P = 11.69 W PF = 0.9111

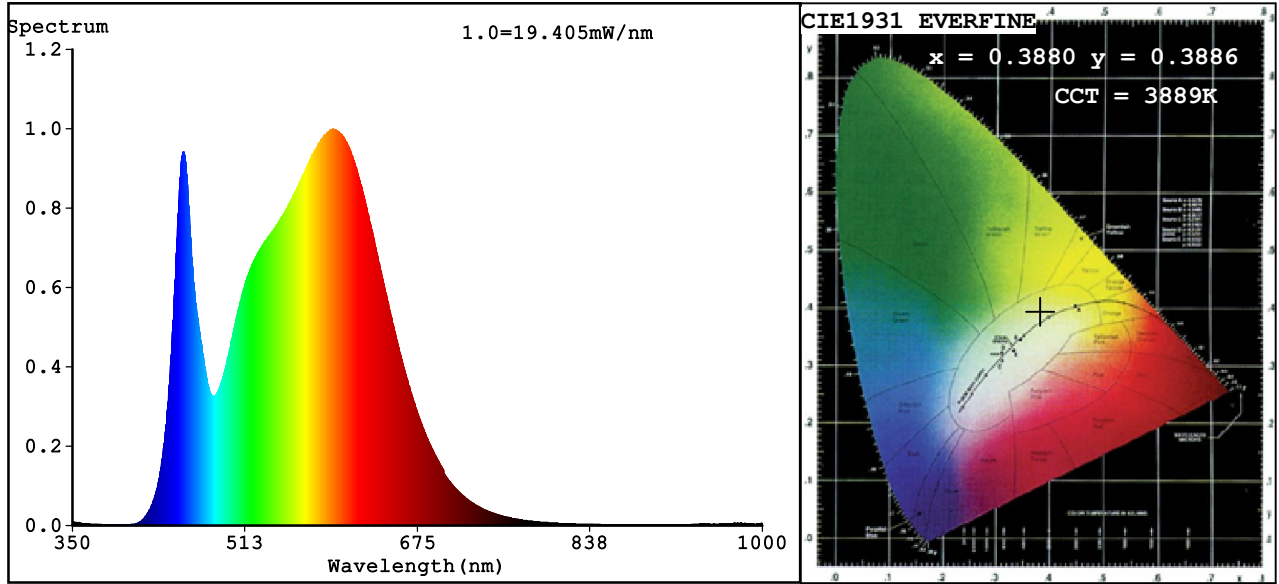
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 41524 (63%)

Model:LED PEAR A67 Dimmable/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED582
 Date:2017-10-10 16:17
 Humidity:65.0%
 Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3880$ $y=0.3886$ / $u'=0.2254$ $v'=0.5078$
 CCT=3889K (Duv=0.0033) Dominant WL:Ld =577.9nm Purity=33.1%
 Ratio:R=18.6% G=77.7% B=3.7%; Peak WL:Lp=595.5nm FWHM=150.1nm
 Render Index:Ra=83.8
 R1 =82 R2 =91 R3 =97 R4 =81 R5 =82 R6 =87 R7 =86
 R8 =65 R9 =11 R10=78 R11=80 R12=62 R13=84 R14=98 R15=75

Photo Parameters:

Flux = 1114 lm Eff. : 94.35 lm/W Fe = 3.371 W

Electrical parameters:

V = 229.96 V I = 0.05656 A P = 11.81 W PF = 0.9079

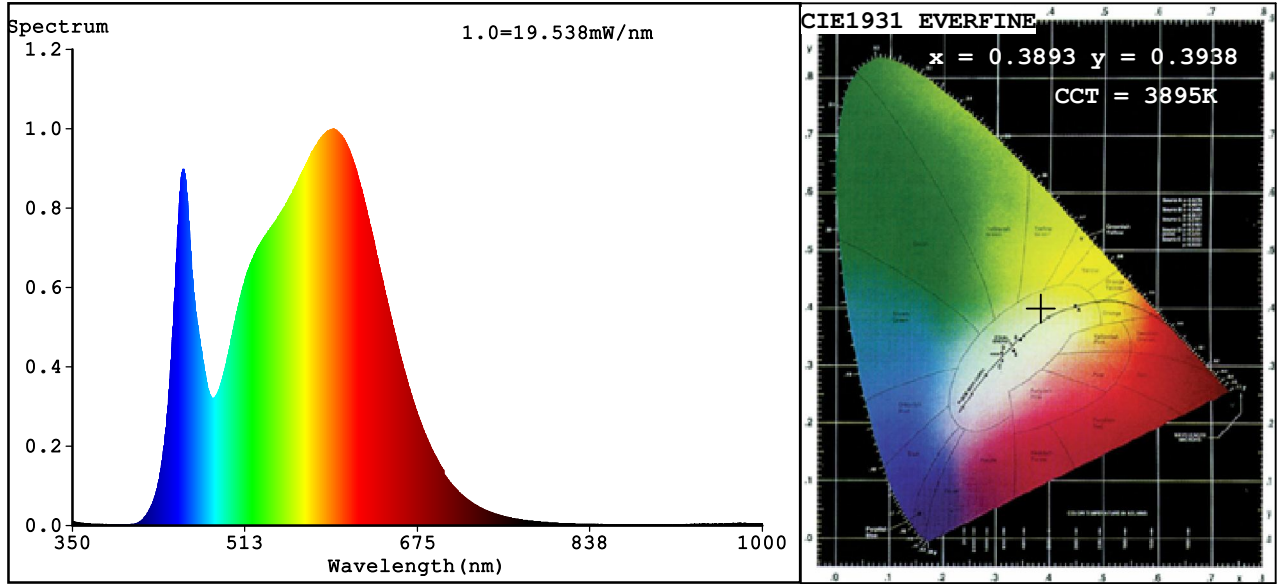
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 42129 (64%)

Model:LED PEAR A67 Dimmable/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED582
 Date:2017-10-10 16:19
 Humidity:65.0%
 Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3893$ $y=0.3938$ $u'=0.2242$ $v'=0.5102$

CCT=3895K(Duv=0.0053) Dominant WL:Ld =577.1nm Purity=35.0%

Ratio:R=18.4% G=78.1% B=3.6%;;Peak WL:Lp=595.5nm FWHM=150.3nm

Render Index:Ra=83.0

R1 =81 R2 =90 R3 =97 R4 =81 R5 =80 R6 =86 R7 =87

R8 =64 R9 =7 R10=75 R11=79 R12=60 R13=83 R14=98 R15=73

Photo Parameters:

Flux = 1131 lm Eff. : 95.70 lm/W Fe = 3.384 W

Electrical parameters:

V = 229.96 V I = 0.05668 A P = 11.82 W PF = 0.9067

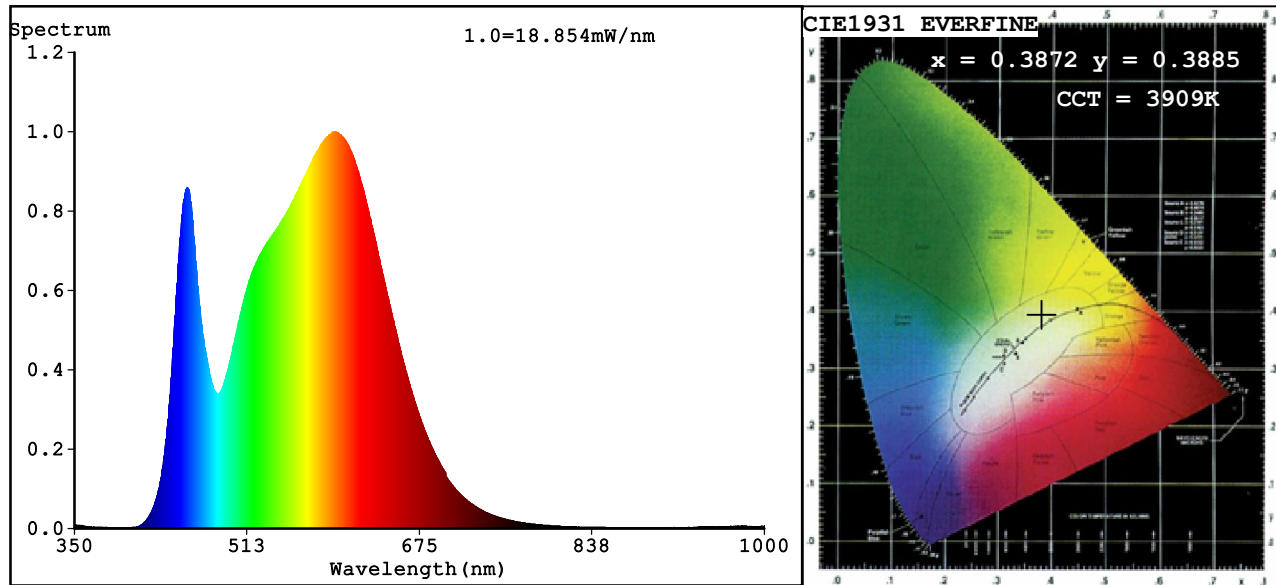
WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 42557 (65%)

Model:LED PEAR A67 Dimmable/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED582
Date:2017-10-10 16:21
Humidity:65.0%
Remarks:017V009B_3790

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3872$ $y=0.3885$ $u'=0.2249$ $v'=0.5077$

CCT=3909K(Duv=0.0035) Dominant WL:Ld =577.8nm Purity=32.8%

Ratio:R=18.5% G=77.7% B=3.7%;;Peak WL:Lp=595.5nm FWHM=149.6nm

Render Index:Ra=83.6

R1 =82 R2 =91 R3 =97 R4 =81 R5 =81 R6 =87 R7 =86

R8 =64 R9 =10 R10=77 R11=80 R12=62 R13=84 R14=98 R15=75

Photo Parameters:

Flux = 1086 lm Eff. : 94.43 lm/W Fe = 3.289 W

Electrical parameters:

V = 229.98 V I = 0.05512 A P = 11.51 W PF = 0.9076

WHITE:ANSI_4000K

Status: Integral T = 43 ms Ip = 40997 (63%)

Model:LED PEAR A67 Dimmable/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED582
Date:2017-10-10 16:23
Humidity:65.0%
Remarks:017V009B_3790