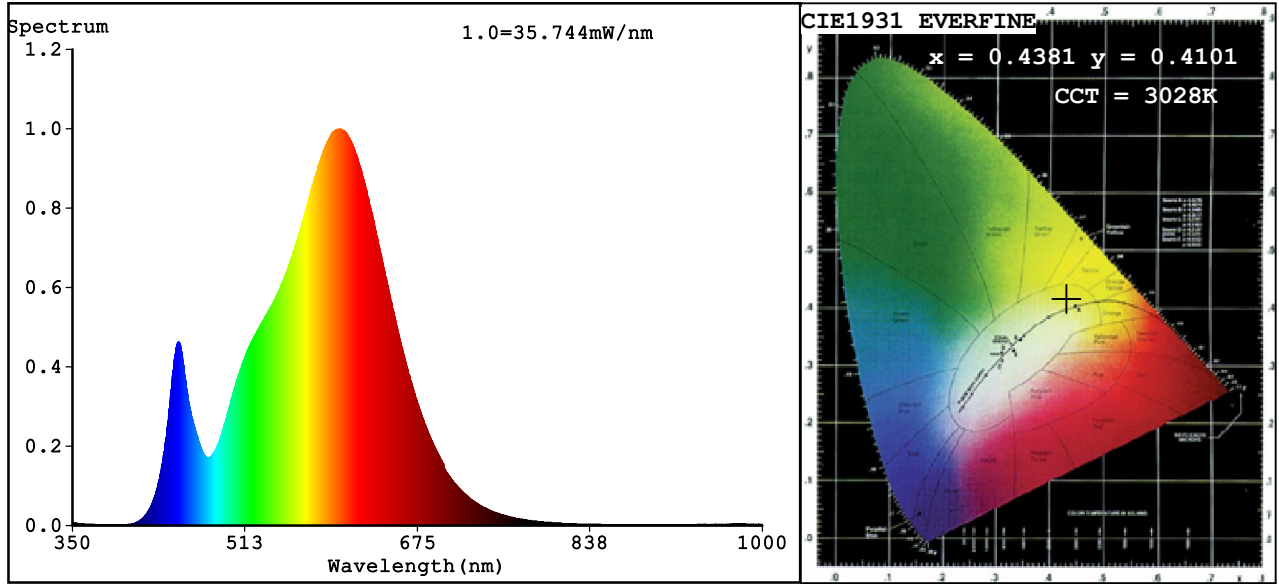


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4381$ $y=0.4101/u'=0.2488$ $v'=0.5239$

CCT=3028K(Duv=0.0022) Dominant WL:Ld =582.0nm Purity=54.6%

Ratio:R=22.3% G=75.3% B=2.4%;;Peak WL:Lp=602.5nm FWHM=130.0nm

Render Index:Ra=81.1

R1 =79 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83

R8 =57 R9 =0 R10=75 R11=78 R12=68 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1774 lm Eff. : 91.78 lm/W Fe = 5.324 W

Electrical parameters:

V = 229.94 V I = 0.1455 A P = 19.33 W PF = 0.5777

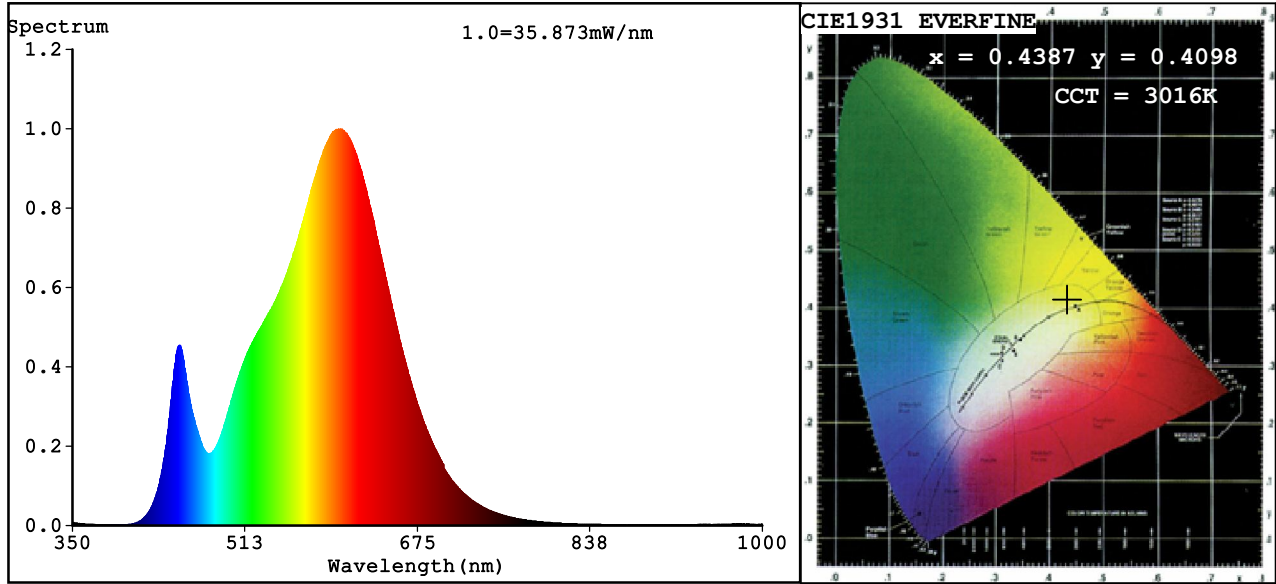
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 55883 (85%)

Model:LED PEAR A80/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED909
Date:2018-03-30 15:45
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4387$ $y=0.4098$ $u'=0.2493$ $v'=0.5239$

CCT=3016K(Duv=0.0020) Dominant WL:Ld =582.1nm Purity=54.7%

Ratio:R=22.4% G=75.2% B=2.4%;;Peak WL:Lp=600.8nm FWHM=128.2nm

Render Index:Ra=81.0

R1 =79 R2 =89 R3 =97 R4 =79 R5 =79 R6 =87 R7 =83

R8 =57 R9 =0 R10=75 R11=77 R12=68 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1772 lm Eff. : 90.94 lm/W Fe = 5.320 W

Electrical parameters:

V = 229.94 V I = 0.1469 A P = 19.49 W PF = 0.5769

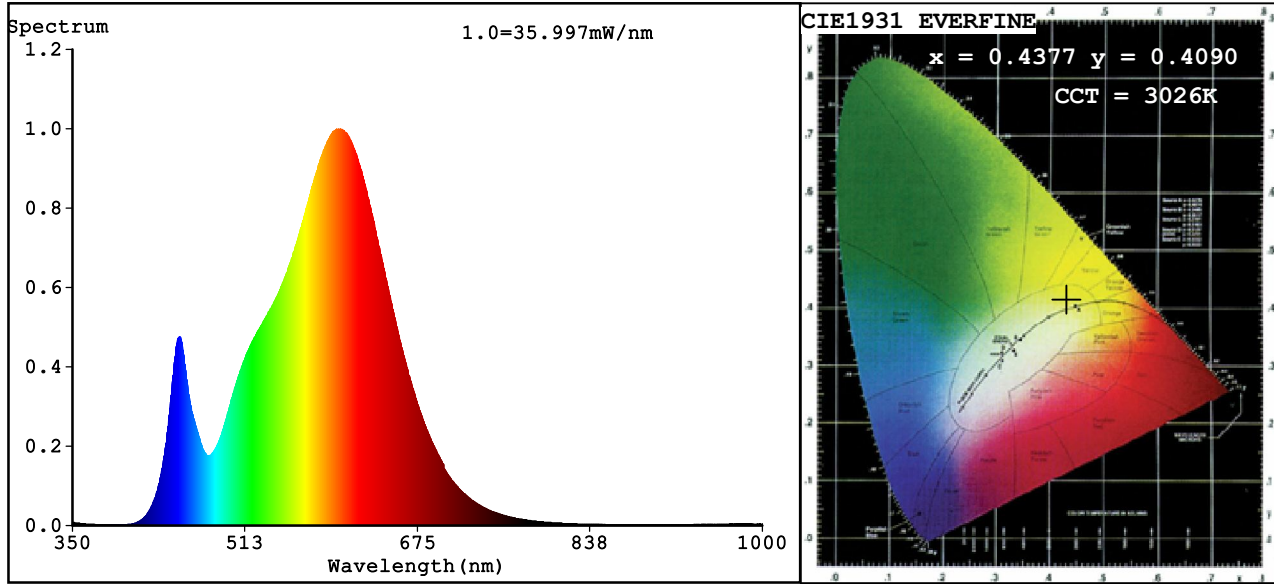
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 43426 (66%)

Model:LED PEAR A80/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED909
Date:2018-03-30 15:47
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4377$ $y=0.4090$ $u'=0.2490$ $v'=0.5234$

CCT=3026K(Duv=0.0018) Dominant WL:Ld =582.1nm Purity=54.2%

Ratio:R=22.3% G=75.2% B=2.4%;;Peak WL:Lp=600.8nm FWHM=128.9nm

Render Index:Ra=81.0

R1 =79 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83

R8 =57 R9 =0 R10=75 R11=78 R12=68 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1782 lm Eff. : 92.85 lm/W Fe = 5.353 W

Electrical parameters:

V = 229.95 V I = 0.1450 A P = 19.20 W PF = 0.5757

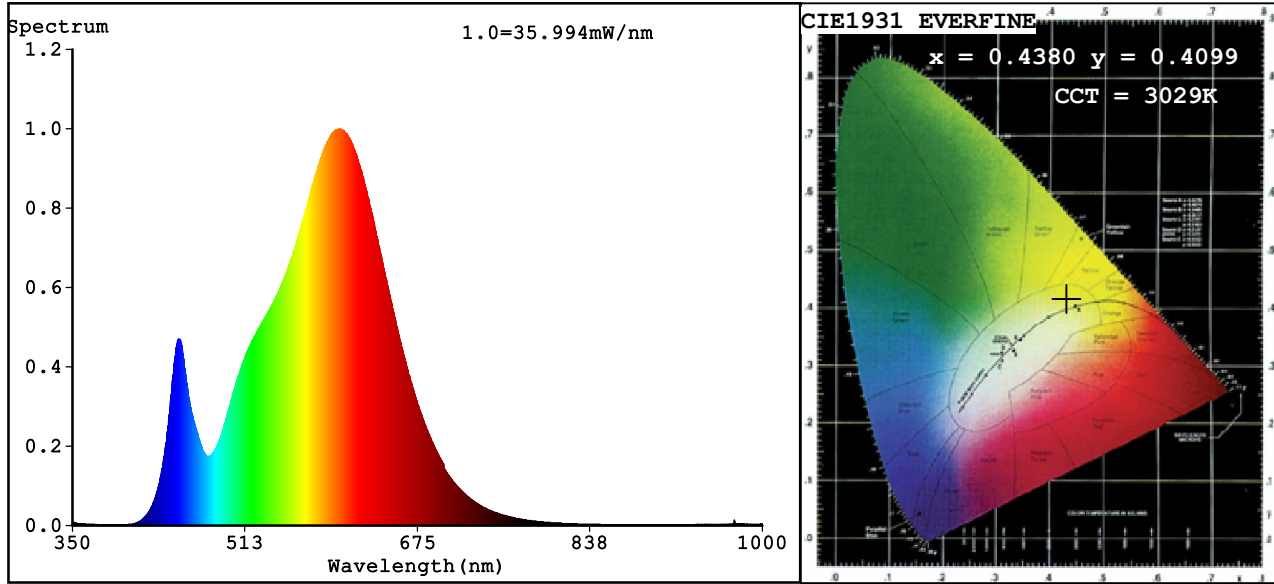
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 43588 (67%)

Model:LED PEAR A80/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED909
Date:2018-03-30 15:49
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4380$ $y=0.4099$ $u'=0.2488$ $v'=0.5238$
 CCT=3029K (Duv=0.0022) Dominant WL:Ld =582.0nm Purity=54.5%
 Ratio:R=22.3% G=75.3% B=2.4%;; Peak WL:Lp=600.8nm FWHM=129.5nm
 Render Index:Ra=81.0
 R1 =79 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83
 R8 =57 R9 =0 R10=75 R11=78 R12=67 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1786 lm Eff. : 92.17 lm/W Fe = 5.357 W

Electrical parameters:

V = 229.95 V I = 0.1460 A P = 19.38 W PF = 0.5773

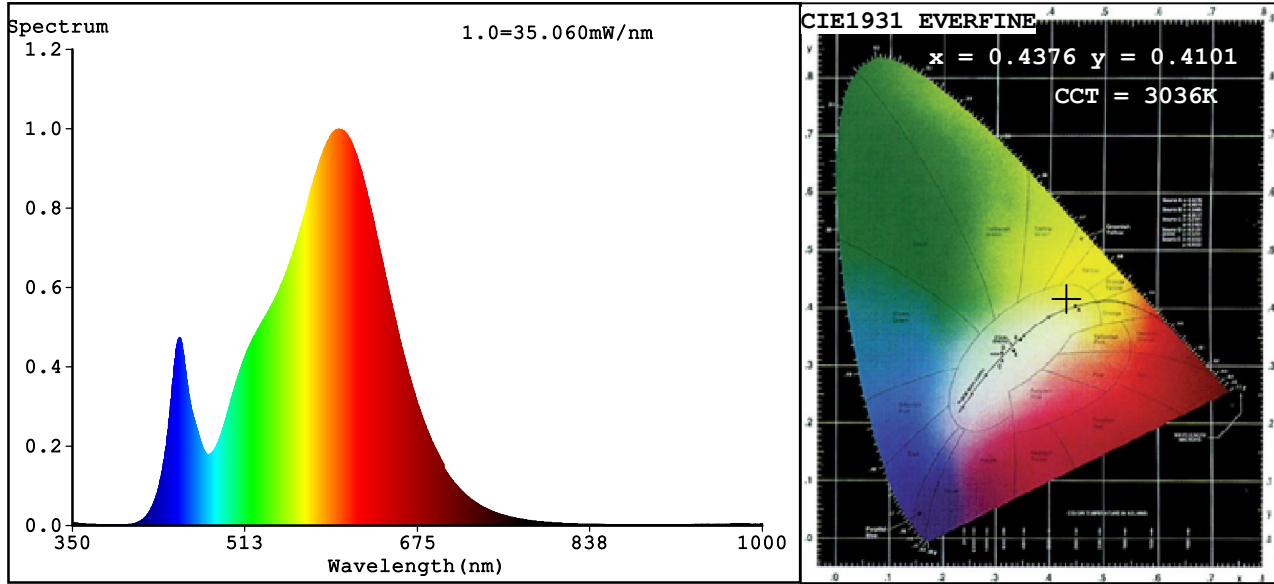
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 43553 (66%)

Model:LED PEAR A80/20W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED909
 Date:2018-03-30 15:51
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4376$ $y=0.4101$ / $u'=0.2485$ $v'=0.5238$
CCT=3036K (Duv=0.0023) Dominant WL:Ld =581.9nm Purity=54.5%
Ratio:R=22.3% G=75.3% B=2.4%;; Peak WL:Lp=600.8nm FWHM=130.0nm
Render Index:Ra=81.2
R1 =79 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83
R8 =57 R9 =1 R10=75 R11=78 R12=67 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1742 lm Eff. : 92.43 lm/W Fe = 5.227 W

Electrical parameters:

V = 229.94 V I = 0.1430 A P = 18.85 W PF = 0.5732

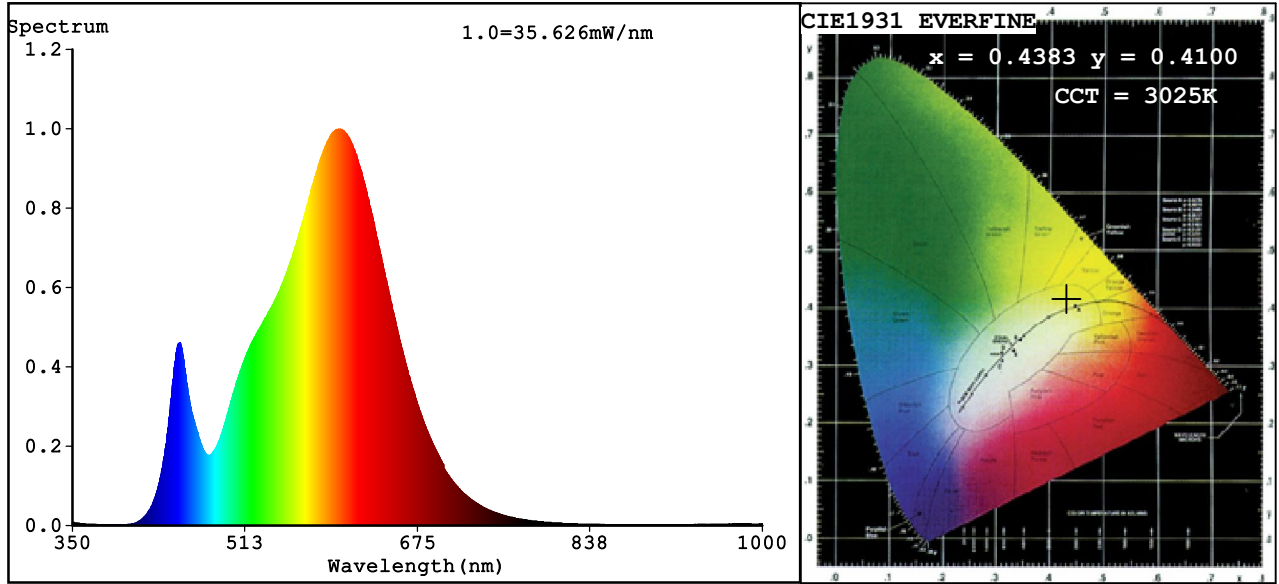
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 42414 (65%)

Model:LED PEAR A80/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED909
Date:2018-03-30 15:54
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4383$ $y=0.4100$ $u'=0.2489$ $v'=0.5239$
 CCT=3025K(Duv=0.0022) Dominant WL:Ld =582.0nm Purity=54.7%
 Ratio:R=22.3% G=75.3% B=2.4%;;Peak WL:Lp=600.8nm FWHM=128.8nm
 Render Index:Ra=80.9
 R1 =78 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83
 R8 =57 R9 =0 R10=75 R11=78 R12=67 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1764 lm Eff. : 91.82 lm/W Fe = 5.290 W

Electrical parameters:

V = 229.93 V I = 0.1450 A P = 19.21 W PF = 0.5761

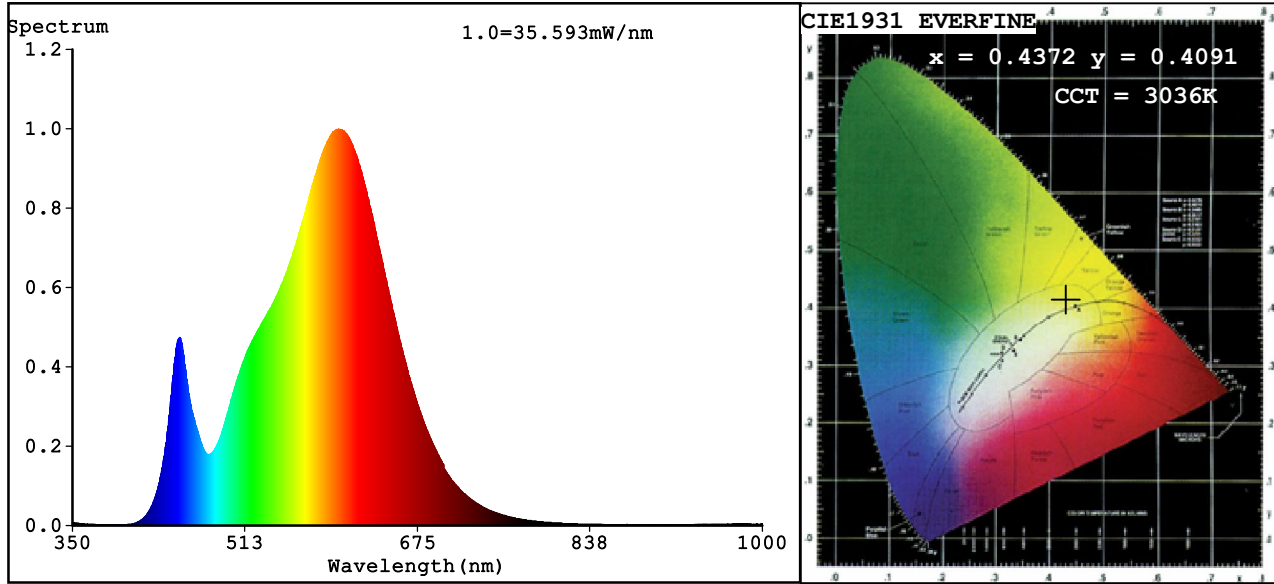
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 43103 (66%)

Model:LED PEAR A80/20W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED909
 Date:2018-03-30 15:55
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4372$ $y=0.4091/u'=0.2486$ $v'=0.5234$
 CCT=3036K(Duv=0.0020) Dominant WL:Ld =582.0nm Purity=54.0%
 Ratio:R=22.3% G=75.3% B=2.4%;;Peak WL:Lp=600.8nm FWHM=129.3nm
 Render Index:Ra=81.1
 R1 =79 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83
 R8 =57 R9 =0 R10=75 R11=78 R12=68 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1766 lm Eff. : 92.38 lm/W Fe = 5.300 W

Electrical parameters:

V = 229.93 V I = 0.1445 A P = 19.11 W PF = 0.5752

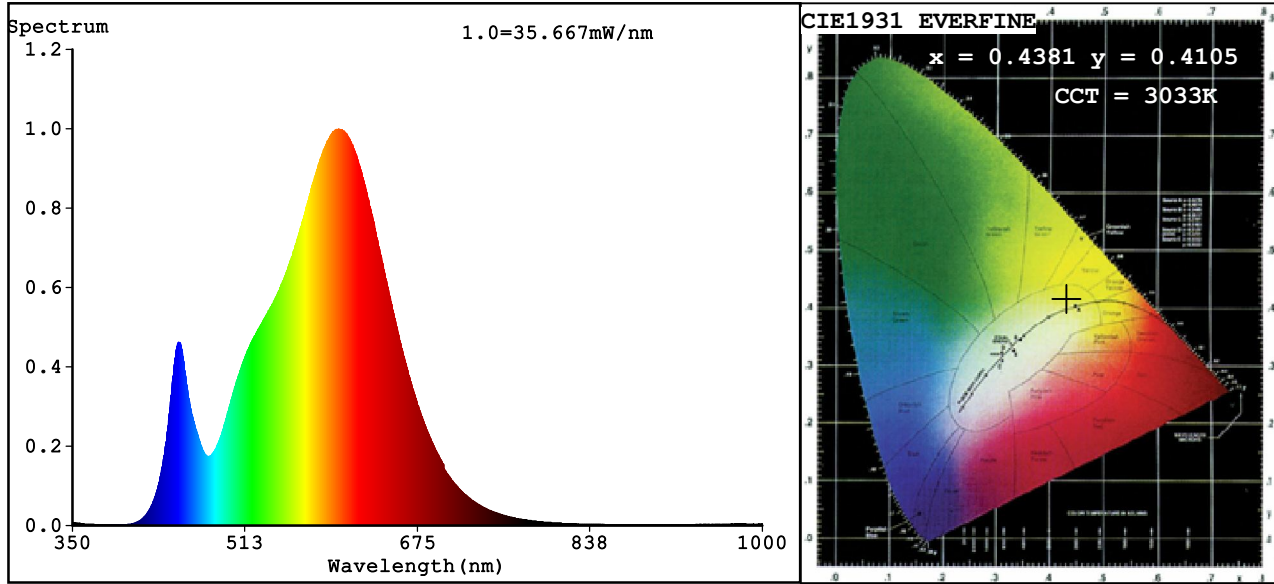
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 43055 (66%)

Model:LED PEAR A80/20W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED909
 Date:2018-03-30 15:56
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4381$ $y=0.4105$ $u'=0.2486$ $v'=0.5240$

CCT=3033K(Duv=0.0024) Dominant WL:Ld =581.9nm Purity=54.7%

Ratio:R=22.2% G=75.4% B=2.4%;;Peak WL:Lp=600.8nm FWHM=129.4nm

Render Index:Ra=80.9

R1 =78 R2 =89 R3 =97 R4 =79 R5 =78 R6 =86 R7 =83

R8 =57 R9 =0 R10=74 R11=78 R12=67 R13=80 R14=99 R15=70

Photo Parameters:

Flux = 1770 lm Eff. : 92.70 lm/W Fe = 5.300 W

Electrical parameters:

V = 229.95 V I = 0.1441 A P = 19.10 W PF = 0.5765

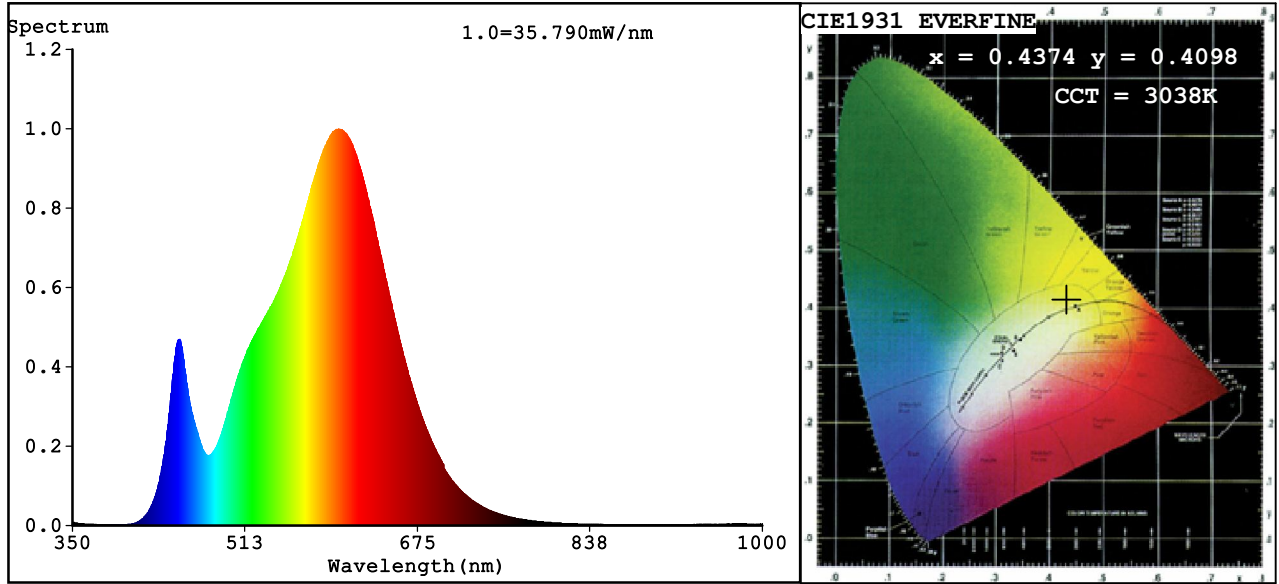
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 43136 (66%)

Model:LED PEAR A80/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED909
Date:2018-03-30 15:58
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4374$ $y=0.4098$ $u'=0.2484$ $v'=0.5237$

CCT=3038K(Duv=0.0022) Dominant WL:Ld =581.9nm Purity=54.3%

Ratio:R=22.2% G=75.4% B=2.4%;;Peak WL:Lp=600.8nm FWHM=129.6nm

Render Index:Ra=81.0

R1 =78 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83

R8 =57 R9 =0 R10=75 R11=78 R12=67 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1777 lm Eff. : 91.80 lm/W Fe = 5.328 W

Electrical parameters:

V = 229.94 V I = 0.1455 A P = 19.36 W PF = 0.5789

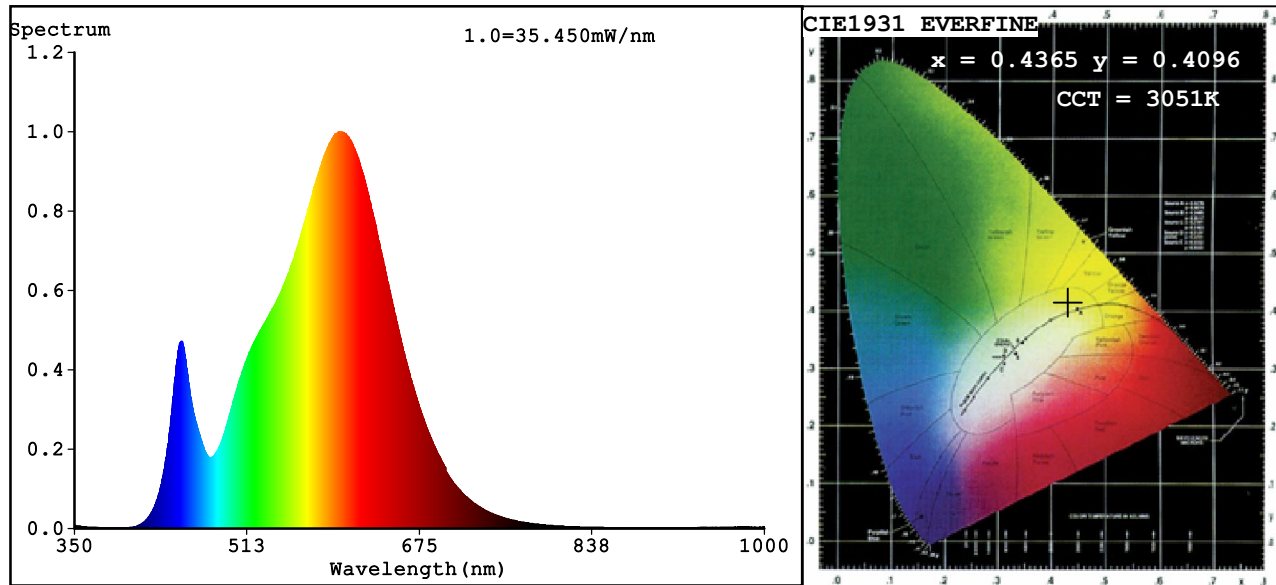
WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 43293 (66%)

Model:LED PEAR A80/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED909
Date:2018-03-30 15:59
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4365$ $y=0.4096$ $u'=0.2480$ $v'=0.5235$

CCT=3051K(Duv=0.0022) Dominant WL:Ld =581.8nm Purity=54.0%

Ratio:R=22.1% G=75.4% B=2.4%;;Peak WL:Lp=598.8nm FWHM=130.4nm

Render Index:Ra=81.0

R1 =78 R2 =89 R3 =97 R4 =79 R5 =79 R6 =86 R7 =83

R8 =57 R9 =0 R10=75 R11=78 R12=67 R13=81 R14=99 R15=71

Photo Parameters:

Flux = 1767 lm Eff. : 91.55 lm/W Fe = 5.297 W

Electrical parameters:

V = 229.94 V I = 0.1451 A P = 19.30 W PF = 0.5785

WHITE:ANSI_3000K

Status: Integral T = 24 ms Ip = 42912 (65%)

Model:LED PEAR A80/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED909
Date:2018-03-30 16:03
Humidity:65.0%
Remarks:017A045_4393