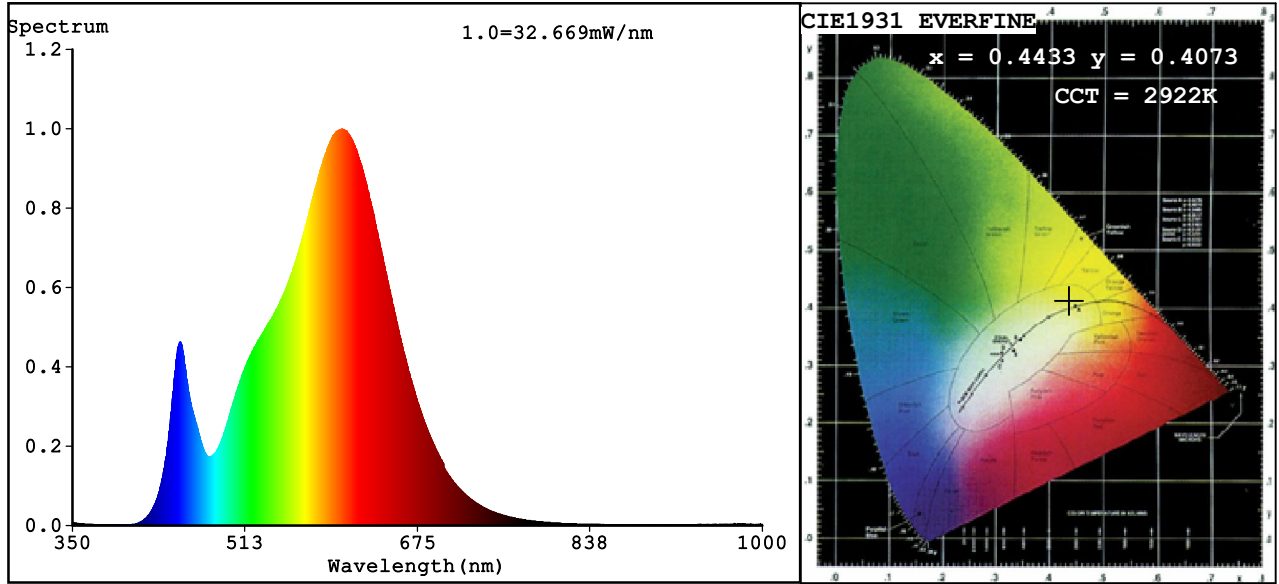


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4433$ $y=0.4073$ $u'=0.2533$ $v'=0.5236$
 CCT=2922K(Duv=0.0004) Dominant WL:Ld =583.0nm Purity=55.3%
 Ratio:R=23.3% G=74.3% B=2.4%;;Peak WL:Lp=604.1nm FWHM=124.1nm
 Render Index:Ra=81.9
 R1 =80 R2 =90 R3 =96 R4 =80 R5 =80 R6 =89 R7 =82
 R8 =57 R9 =4 R10=78 R11=79 R12=71 R13=82 R14=99 R15=72

Photo Parameters:

Flux = 1568 lm Eff. : 98.64 lm/W Fe = 4.765 W

Electrical parameters:

V = 230.00 V I = 0.1226 A P = 15.90 W PF = 0.5637

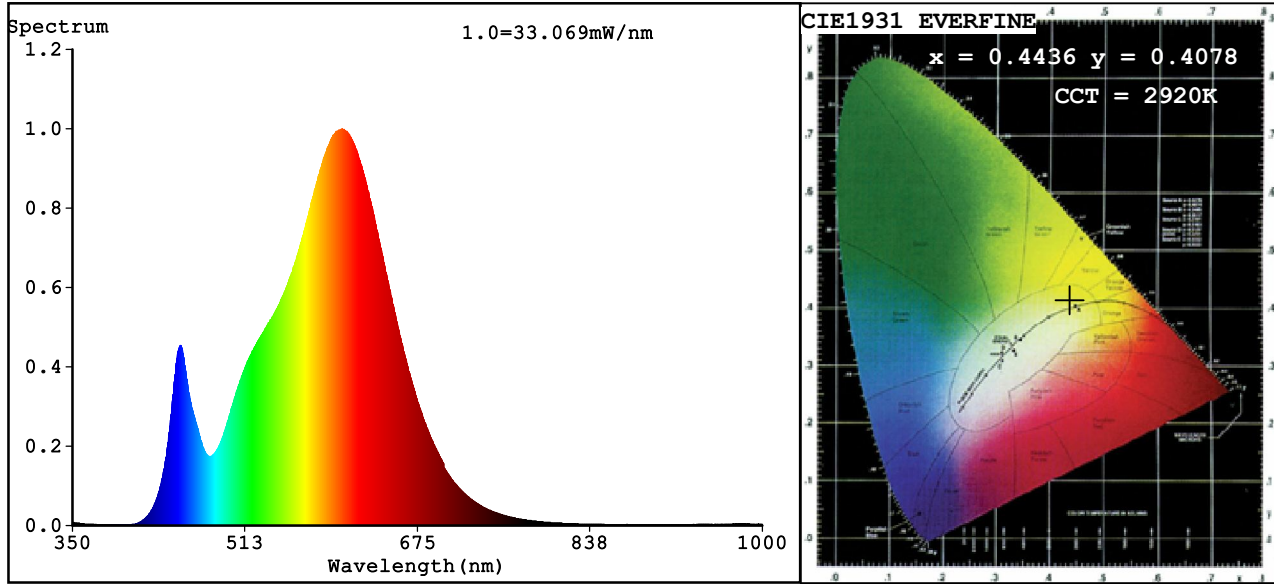
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 51107 (78%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 12:44
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4436$ $y=0.4078$ $u'=0.2533$ $v'=0.5238$
 CCT=2920K(Duv=0.0006) Dominant WL:Ld =583.0nm Purity=55.6%
 Ratio:R=23.3% G=74.3% B=2.4%;;Peak WL:Lp=604.1nm FWHM=124.1nm
 Render Index:Ra=81.9
 R1 =80 R2 =90 R3 =96 R4 =80 R5 =80 R6 =89 R7 =82
 R8 =57 R9 =4 R10=78 R11=79 R12=71 R13=82 R14=99 R15=72

Photo Parameters:

Flux = 1587 lm Eff. : 98.43 lm/W Fe = 4.821 W

Electrical parameters:

V = 229.99 V I = 0.1243 A P = 16.13 W PF = 0.5640

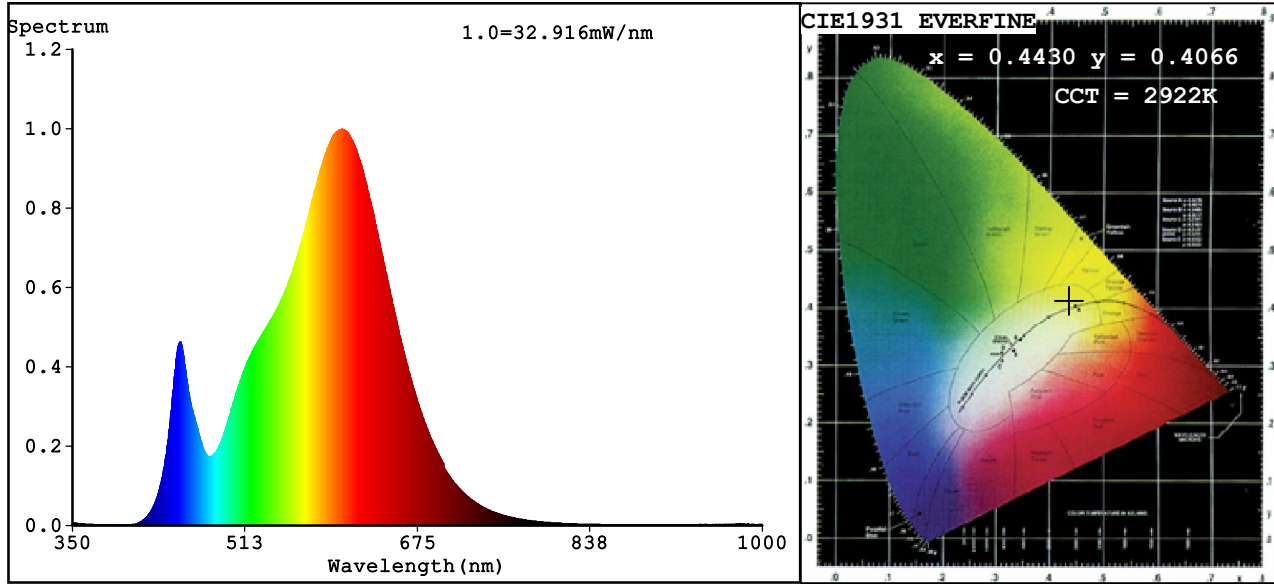
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 51715 (79%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 12:48
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4430$ $y=0.4066$ $u'=0.2533$ $v'=0.5233$
 CCT=2922K(Duv=0.0002) Dominant WL:Ld =583.1nm Purity=55.0%
 Ratio:R=23.3% G=74.3% B=2.4%;;Peak WL:Lp=604.1nm FWHM=124.0nm
 Render Index:Ra=82.0
 R1 =80 R2 =91 R3 =96 R4 =80 R5 =80 R6 =89 R7 =82
 R8 =57 R9 =4 R10=79 R11=79 R12=71 R13=83 R14=99 R15=72

Photo Parameters:

Flux = 1579 lm Eff. : 98.34 lm/W Fe = 4.804 W

Electrical parameters:

V = 229.99 V I = 0.1240 A P = 16.06 W PF = 0.5629

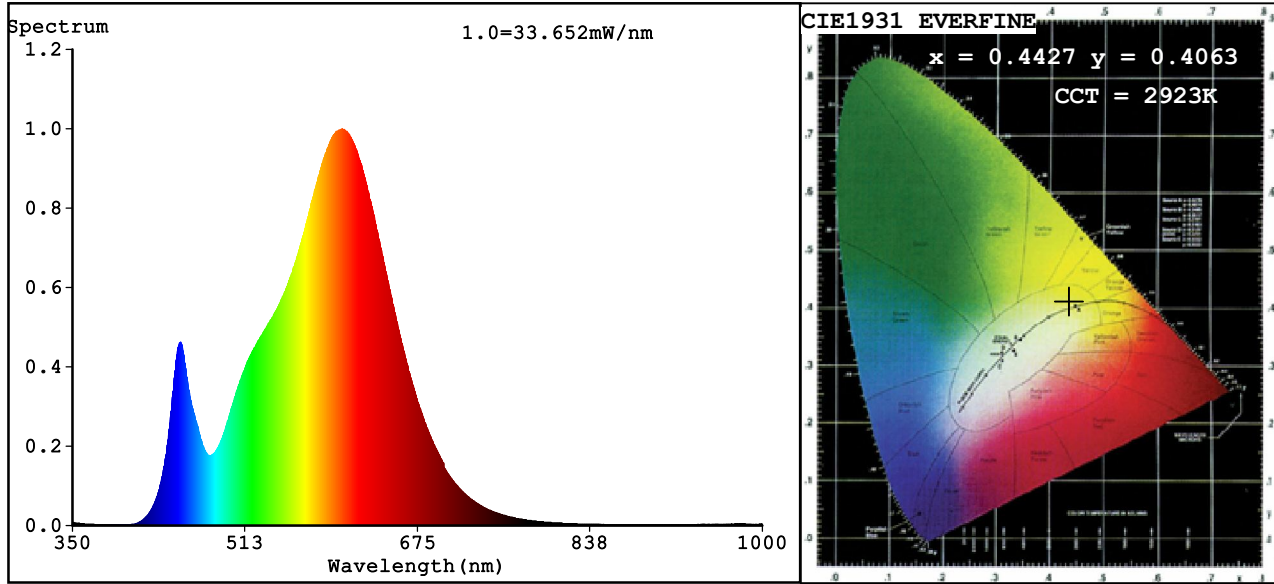
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 51477 (79%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 12:50
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4427$ $y=0.4063$ $u'=0.2533$ $v'=0.5231$
 CCT=2923K(Duv=0.0001) Dominant WL:Ld =583.1nm Purity=54.8%
 Ratio:R=23.3% G=74.3% B=2.4%;;Peak WL:Lp=604.1nm FWHM=123.8nm
 Render Index:Ra=82.0
 R1 =80 R2 =91 R3 =96 R4 =80 R5 =80 R6 =89 R7 =82
 R8 =57 R9 =4 R10=79 R11=79 R12=71 R13=83 R14=99 R15=73

Photo Parameters:

Flux = 1614 lm Eff. : 96.90 lm/W Fe = 4.914 W

Electrical parameters:

V = 229.88 V I = 0.1279 A P = 16.65 W PF = 0.5664

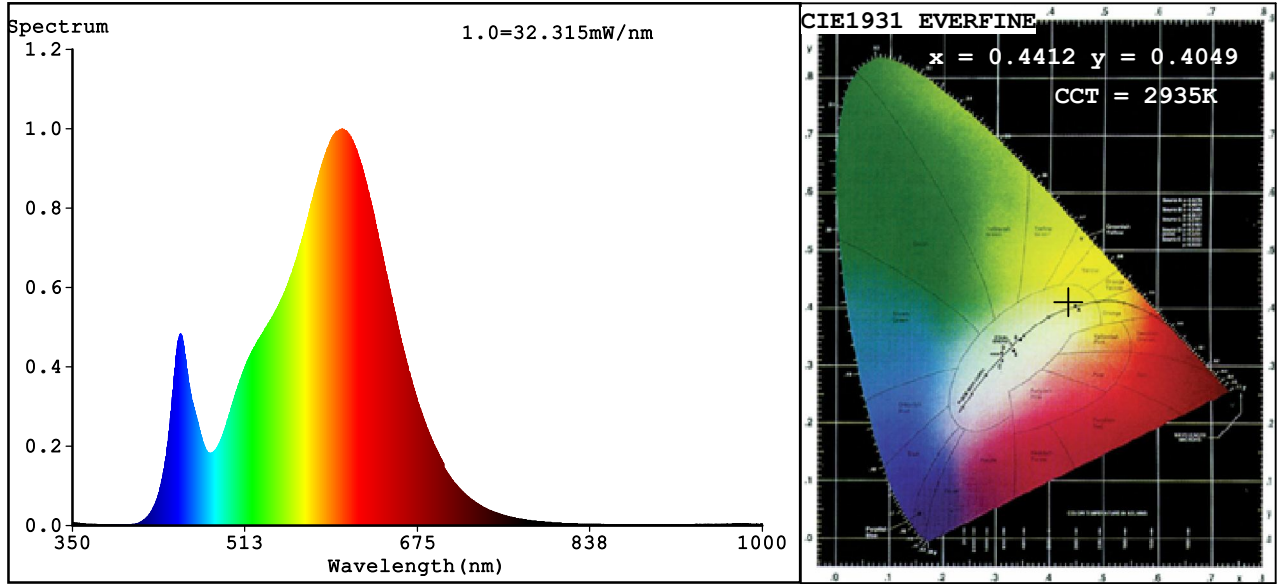
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 52619 (80%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 12:51
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4412$ $y=0.4049$ $u'=0.2530$ $v'=0.5223$

CCT=2935K(Duv=-0.0003) Dominant WL:Ld =583.2nm Purity=54.0%

Ratio:R=23.3% G=74.2% B=2.5%;;Peak WL:Lp=604.1nm FWHM=124.1nm

Render Index:Ra=82.3

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =81 | R2 =91 | R3 =96 | R4 =80 | R5 =81 | R6 =89 | R7 =82 | |
| R8 =58 | R9 =6 | R10=80 | R11=79 | R12=72 | R13=83 | R14=99 | R15=73 |

Photo Parameters:

Flux = 1551 lm Eff. : 96.91 lm/W Fe = 4.735 W

Electrical parameters:

V = 229.88 V I = 0.1236 A P = 16.00 W PF = 0.5634

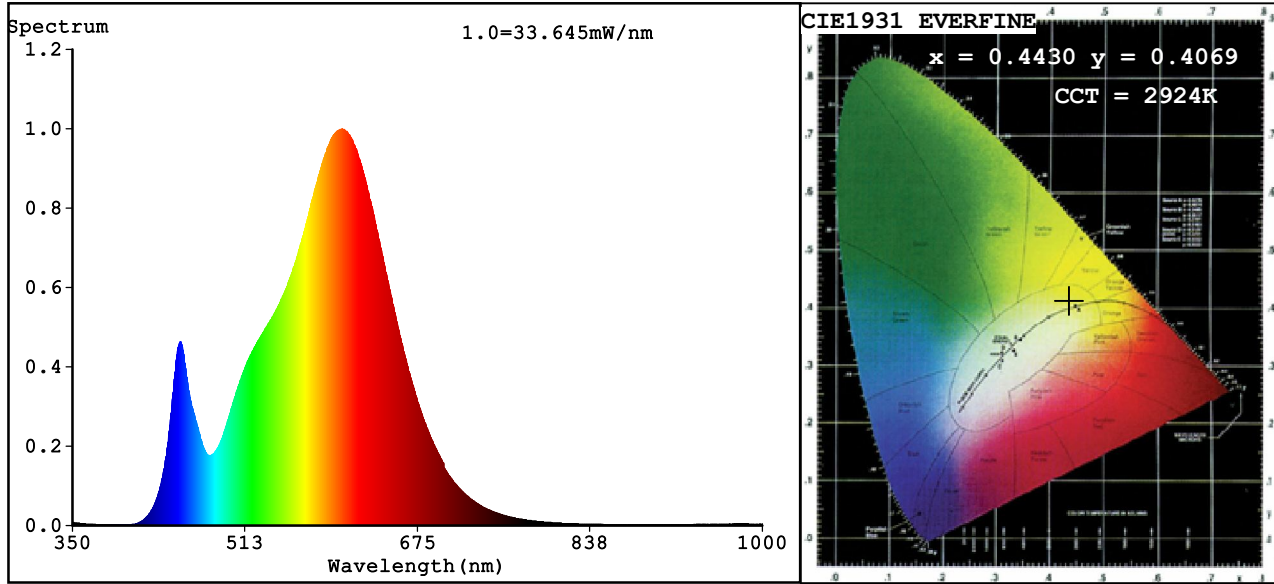
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 50513 (77%)

Model:LED PEAR A60/15W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED819
Date:2018-03-30 12:53
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4430$ $y=0.4069$ $u'=0.2533$ $v'=0.5234$

CCT=2924K(Duv=0.0003) Dominant WL:Ld =583.0nm Purity=55.1%

Ratio:R=23.3% G=74.3% B=2.4%;;Peak WL:Lp=604.1nm FWHM=124.0nm

Render Index:Ra=82.0

| | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| R1 =80 | R2 =91 | R3 =96 | R4 =80 | R5 =80 | R6 =89 | R7 =82 | | |
| R8 =57 | R9 =4 | R10=79 | R11=79 | R12=71 | R13=83 | R14=99 | R15=72 | |

Photo Parameters:

Flux = 1614 lm Eff. : 97.12 lm/W Fe = 4.912 W

Electrical parameters:

V = 229.96 V I = 0.1277 A P = 16.62 W PF = 0.5659

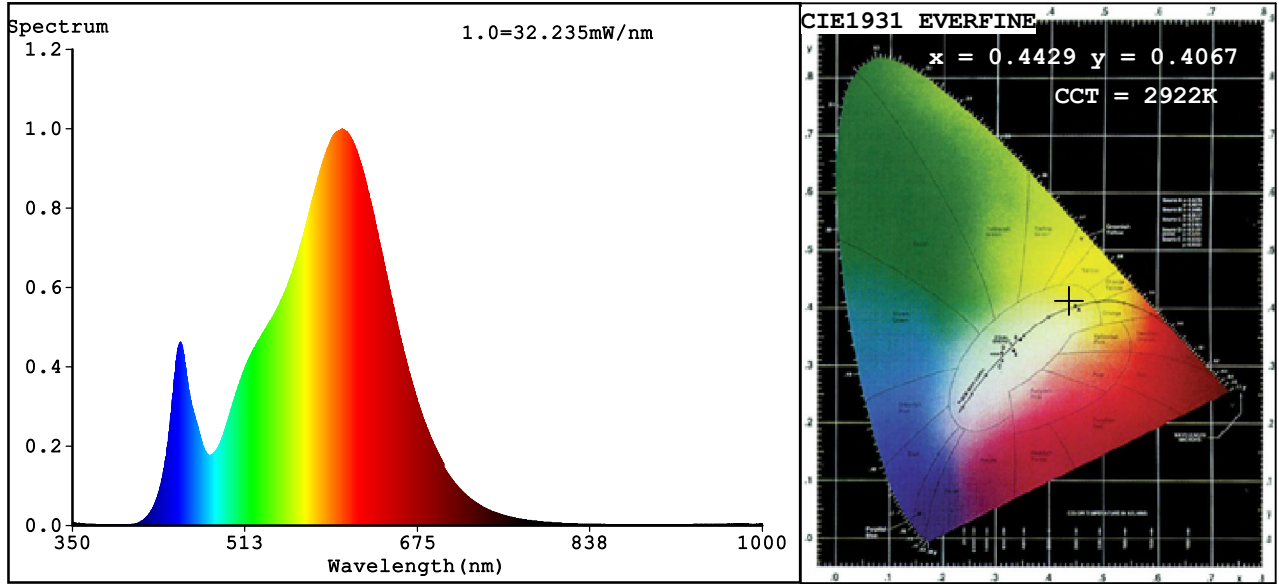
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 52628 (80%)

Model:LED PEAR A60/15W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED819
Date:2018-03-30 12:54
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4429$ $y=0.4067$ / $u'=0.2533$ $v'=0.5233$
 CCT=2922K (Duv=0.0002) Dominant WL:Ld =583.1nm Purity=55.0%
 Ratio:R=23.3% G=74.3% B=2.4%; Peak WL:Lp=604.1nm FWHM=123.8nm
 Render Index:Ra=82.0
 R1 =80 R2 =91 R3 =96 R4 =80 R5 =80 R6 =89 R7 =82
 R8 =57 R9 =4 R10=79 R11=79 R12=71 R13=83 R14=99 R15=73

Photo Parameters:

Flux = 1545 lm Eff. : 97.28 lm/W Fe = 4.704 W

Electrical parameters:

V = 229.95 V I = 0.1225 A P = 15.88 W PF = 0.5638

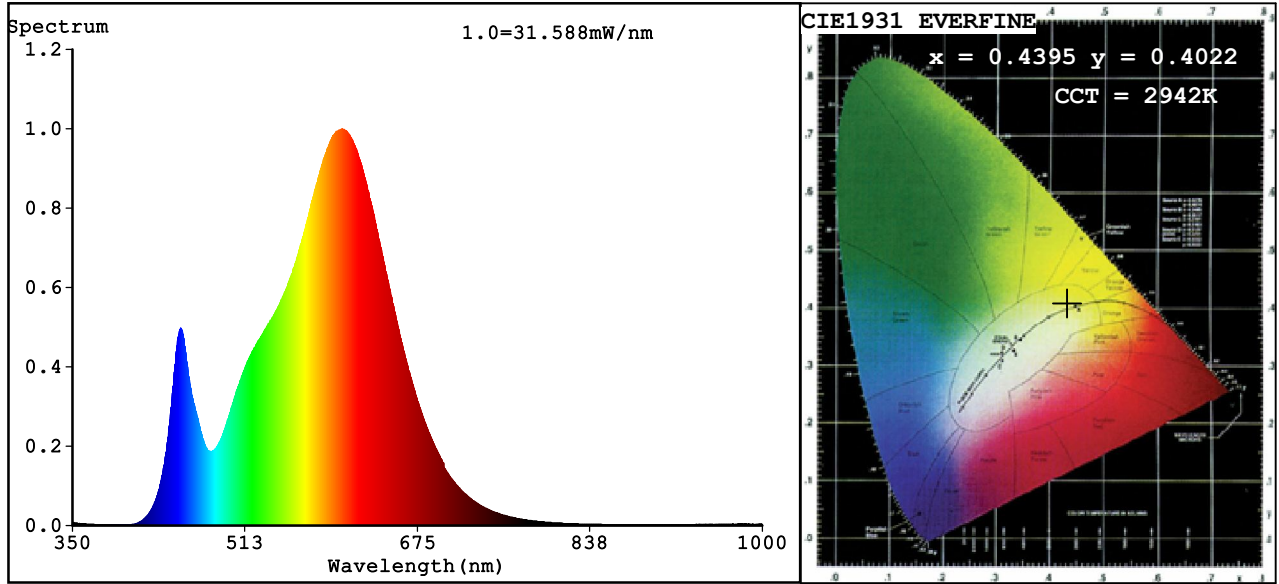
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 50393 (77%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 12:56
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4395$ $y=0.4022/u'=0.2530$ $v'=0.5210$
 CCT=2942K(Duv=-0.0011) Dominant WL:Ld =583.5nm Purity=52.6%
 Ratio:R=23.3% G=74.1% B=2.5%;;Peak WL:Lp=604.1nm FWHM=123.9nm
 Render Index:Ra=82.4
 R1 =81 R2 =91 R3 =96 R4 =80 R5 =81 R6 =90 R7 =82
 R8 =58 R9 =6 R10=80 R11=79 R12=73 R13=84 R14=98 R15=73

Photo Parameters:

Flux = 1516 lm Eff. : 92.99 lm/W Fe = 4.649 W

Electrical parameters:

V = 229.95 V I = 0.1252 A P = 16.30 W PF = 0.5663

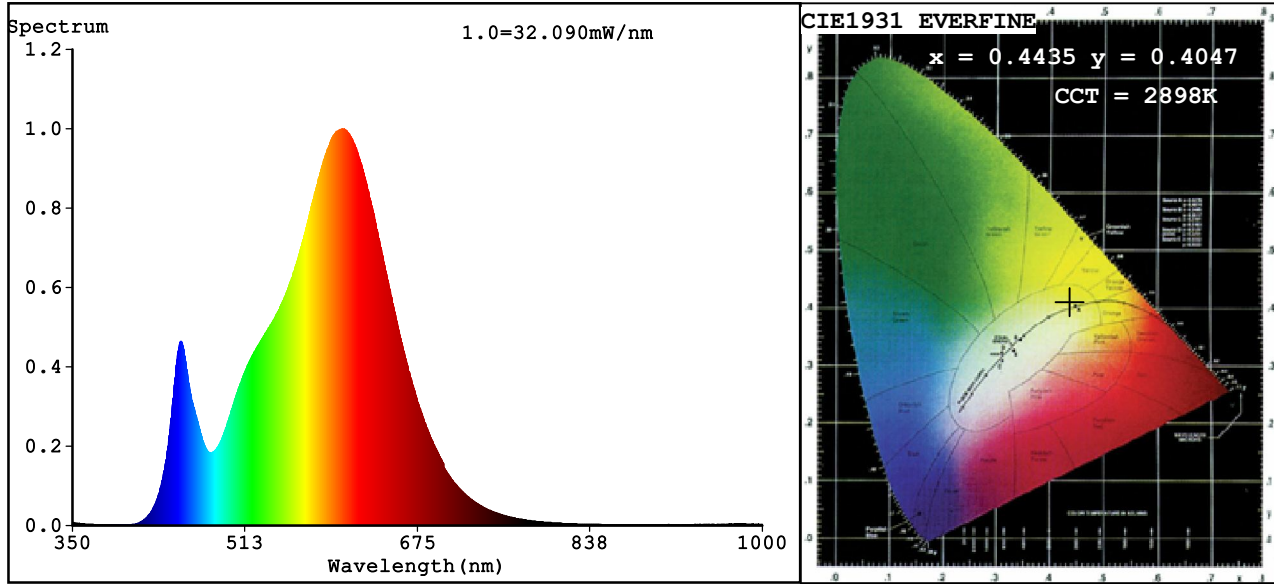
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 49432 (75%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 12:57
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4435$ $y=0.4047$ / $u'=0.2545$ $v'=0.5226$
 CCT=2898K (Duv=-0.0006) Dominant WL:Ld =583.5nm Purity=54.6%
 Ratio:R=23.6% G=74.0% B=2.5%;; Peak WL:Lp=604.1nm FWHM=121.4nm
 Render Index:Ra=82.1
 R1 =81 R2 =91 R3 =96 R4 =80 R5 =81 R6 =90 R7 =82
 R8 =57 R9 =5 R10=80 R11=79 R12=73 R13=83 R14=98 R15=73

Photo Parameters:

Flux = 1525 lm Eff. : 94.89 lm/W Fe = 4.666 W

Electrical parameters:

V = 229.95 V I = 0.1237 A P = 16.07 W PF = 0.5652

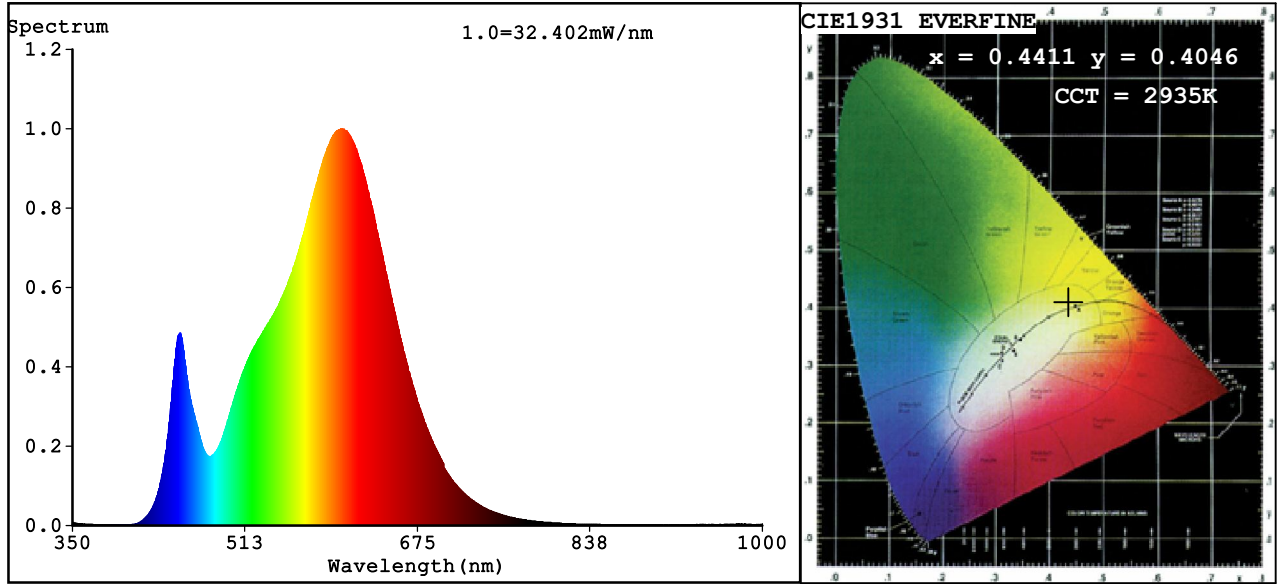
WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 50231 (77%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 12:59
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4411$ $y=0.4046$ / $u'=0.2531$ $v'=0.5222$
 CCT=2935K (Duv=-0.0004) Dominant WL:Ld =583.2nm Purity=53.8%
 Ratio:R=23.3% G=74.3% B=2.4%; Peak WL:Lp=602.8nm FWHM=124.4nm
 Render Index:Ra=82.1
 R1 =80 R2 =91 R3 =96 R4 =80 R5 =81 R6 =89 R7 =82
 R8 =58 R9 =5 R10=79 R11=79 R12=72 R13=83 R14=99 R15=73

Photo Parameters:

Flux = 1558 lm Eff. : 98.25 lm/W Fe = 4.752 W

Electrical parameters:

V = 229.96 V I = 0.1222 A P = 15.86 W PF = 0.5641

WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 50739 (77%)

Model:LED PEAR A60/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED819
 Date:2018-03-30 13:00
 Humidity:65.0%
 Remarks:017A045_4393