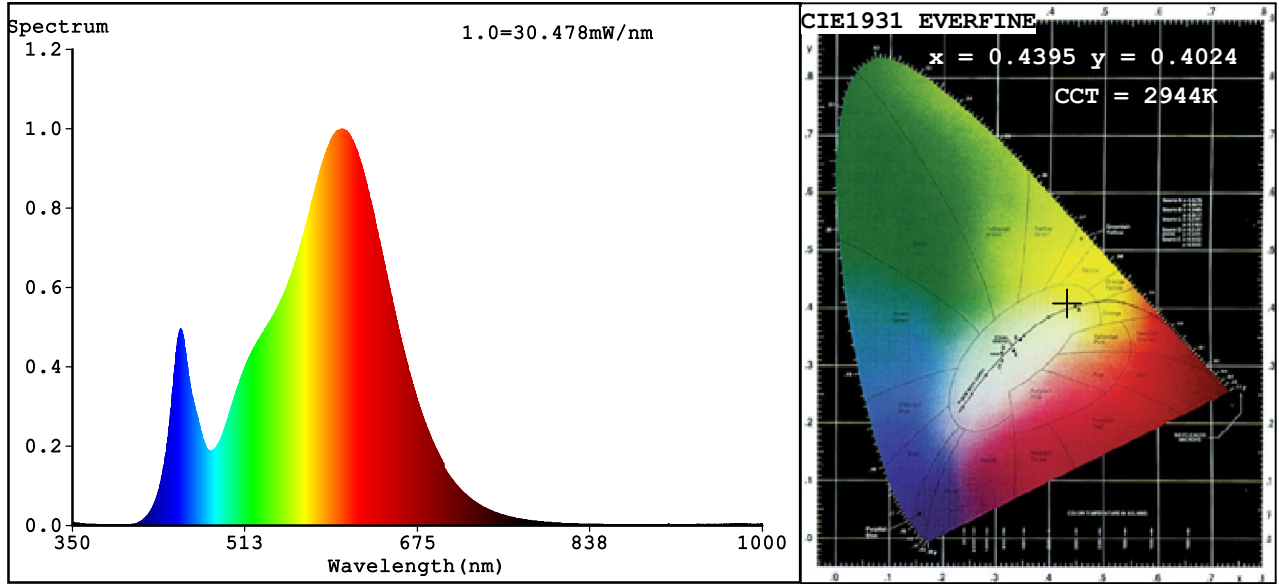


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4395$ $y=0.4024$ $u'=0.2529$ $v'=0.5211$

CCT=2944K(Duv=-0.0010) Dominant WL:Ld =583.4nm Purity=52.7%

Ratio:R=23.3% G=74.1% B=2.5%;;Peak WL:Lp=604.1nm FWHM=124.1nm

Render Index:Ra=82.5

R1 =81 R2 =91 R3 =96 R4 =80 R5 =81 R6 =90 R7 =82

R8 =58 R9 =7 R10=81 R11=79 R12=73 R13=84 R14=98 R15=74

Photo Parameters:

Flux = 1464 lm Eff. : 91.72 lm/W Fe = 4.492 W

Electrical parameters:

V = 230.00 V I = 0.1228 A P = 15.96 W PF = 0.5650

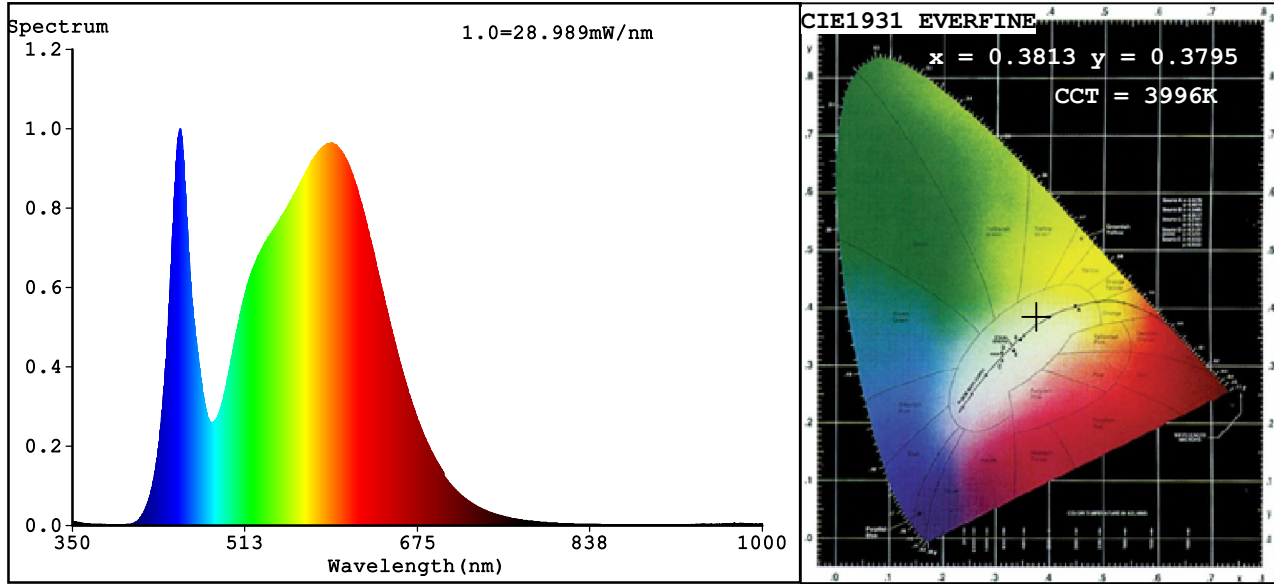
WHITE:ANSI_3000K

Status: Integral T = 33 ms Ip = 50757 (77%)

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

Number:99LED818
Date:2018-04-27 13:01
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3813$ $y=0.3795$ $u'=0.2246$ $v'=0.5029$

CCT=3996K (Duv=0.0010) Dominant WL:Ld =578.5nm Purity=28.3%

Ratio:R=18.2% G=78.5% B=3.4%;; Peak WL:Lp=451.3nm FWHM=25.0nm

Render Index:Ra=82.1

R1 =80	R2 =88	R3 =93	R4 =81	R5 =80	R6 =83	R7 =86		
R8 =65	R9 =7	R10=71	R11=79	R12=59	R13=82	R14=96	R15=75	

Photo Parameters:

Flux = 1625 lm Eff. : 98.91 lm/W Fe = 4.939 W

Electrical parameters:

V = 230.01 V I = 0.1261 A P = 16.43 W PF = 0.5665

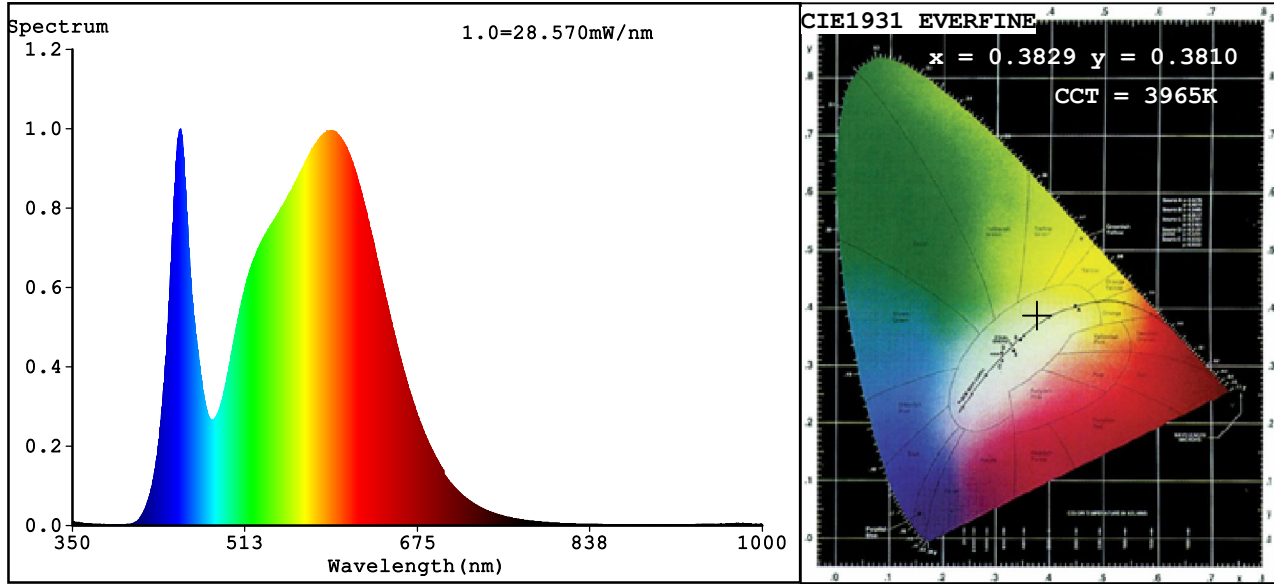
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 47037 (72%)

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

Number:99LED818
Date:2018-04-27 13:17
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3829$ $y=0.3810/u'=0.2250$ $v'=0.5038$

CCT=3965K(Duv=0.0013) Dominant WL:Ld =578.5nm Purity=29.3%

Ratio:R=18.2% G=78.4% B=3.3%;;Peak WL:Lp=451.9nm FWHM=25.5nm

Render Index:Ra=82.0

R1 =80	R2 =88	R3 =93	R4 =81	R5 =80	R6 =83	R7 =86	
R8 =64	R9 =7	R10=71	R11=79	R12=60	R13=82	R14=96	R15=74

Photo Parameters:

Flux = 1650 lm Eff. : 98.77 lm/W Fe = 5.004 W

Electrical parameters:

V = 229.92 V I = 0.1282 A P = 16.70 W PF = 0.5668

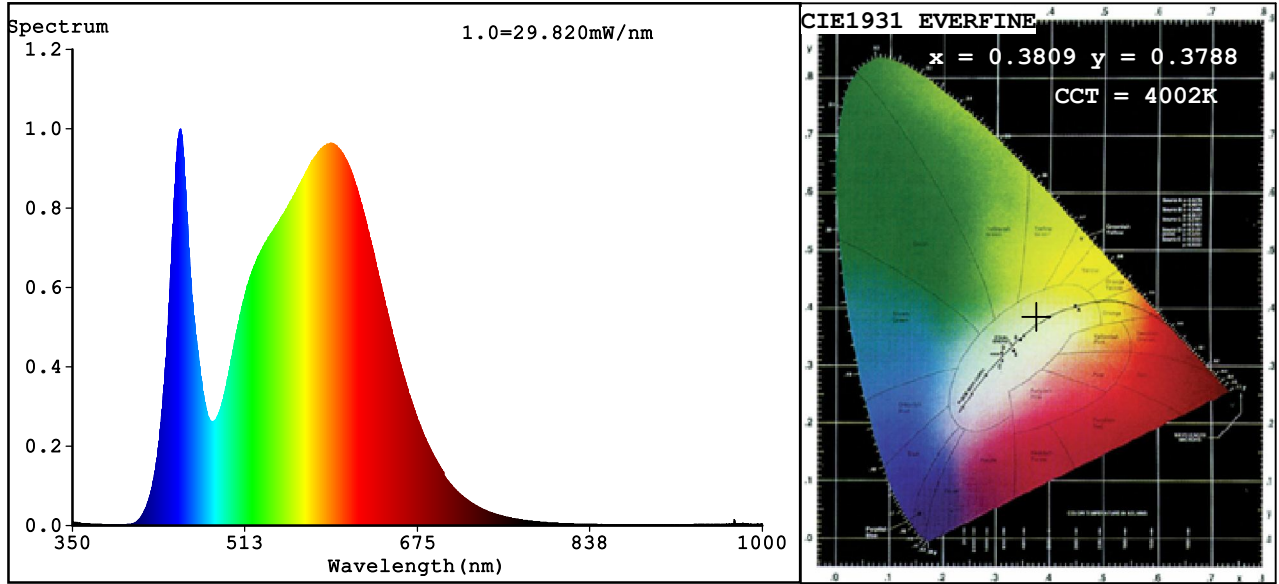
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 47889 (73%)

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

Number:99LED818
Date:2018-04-27 13:19
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3809$ $y=0.3788$ $u'=0.2246$ $v'=0.5026$
CCT=4002K(Duv=0.0008) Dominant WL:Ld =578.6nm Purity=28.0%
Ratio:R=18.2% G=78.4% B=3.4%;;Peak WL:Lp=451.9nm FWHM=25.3nm
Render Index:Ra=82.1
R1 =80 R2 =88 R3 =93 R4 =81 R5 =80 R6 =83 R7 =86
R8 =65 R9 =8 R10=71 R11=79 R12=60 R13=82 R14=96 R15=75

Photo Parameters:

Flux = 1669 lm Eff. : 97.56 lm/W Fe = 5.078 W

Electrical parameters:

V = 229.91 V I = 0.1305 A P = 17.11 W PF = 0.5700

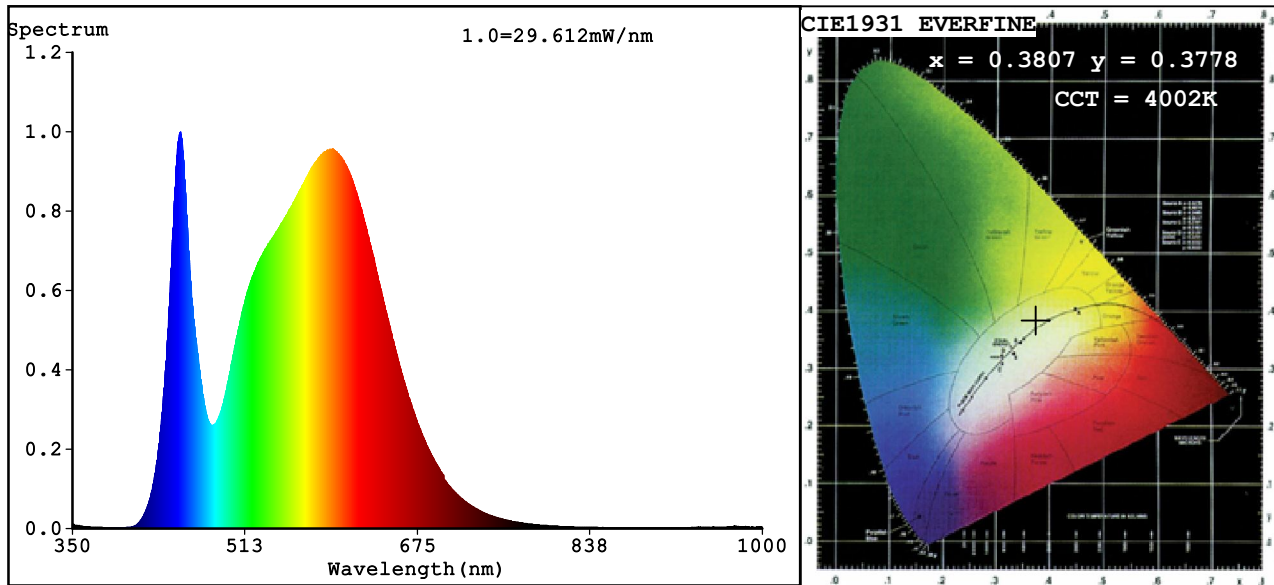
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 48358 (74%)

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

Number:99LED818
Date:2018-04-27 13:22
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3807$ $y=0.3778$ $u'=0.2248$ $v'=0.5021$

CCT=4002K(Duv=0.0004) Dominant WL:Ld =578.8nm Purity=27.6%

Ratio:R=18.2% G=78.4% B=3.4%;;Peak WL:Lp=451.9nm FWHM=25.3nm

Render Index:Ra=82.2

R1 =81	R2 =88	R3 =93	R4 =81	R5 =80	R6 =83	R7 =86	
R8 =65	R9 =8	R10=71	R11=79	R12=60	R13=82	R14=96	R15=75

Photo Parameters:

Flux = 1642 lm Eff. : 98.07 lm/W Fe = 5.009 W

Electrical parameters:

V = 229.93 V I = 0.1285 A P = 16.75 W PF = 0.5665

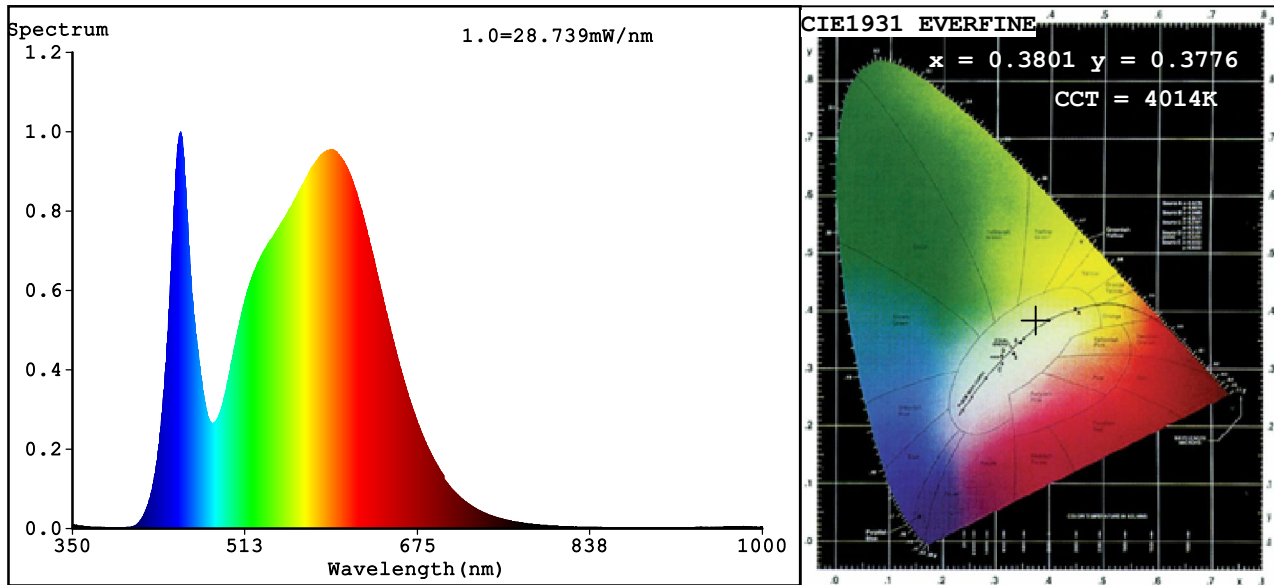
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 47650 (73%)

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

Number:99LED818
Date:2018-04-27 13:37
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3801$ $y=0.3776$ / $u'=0.2246$ $v'=0.5019$

CCT=4014K (Duv=0.0005) Dominant WL:Ld =578.8nm Purity=27.4%

Ratio:R=18.2% G=78.4% B=3.5%;; Peak WL:Lp=452.0nm FWHM=25.6nm

Render Index:Ra=82.3

R1 =81 R2 =88 R3 =94 R4 =81 R5 =80 R6 =83 R7 =86

R8 =65 R9 =8 R10=71 R11=79 R12=60 R13=82 R14=96 R15=75

Photo Parameters:

Flux = 1594 lm Eff. : 96.91 lm/W Fe = 4.865 W

Electrical parameters:

V = 230.01 V I = 0.1263 A P = 16.45 W PF = 0.5665

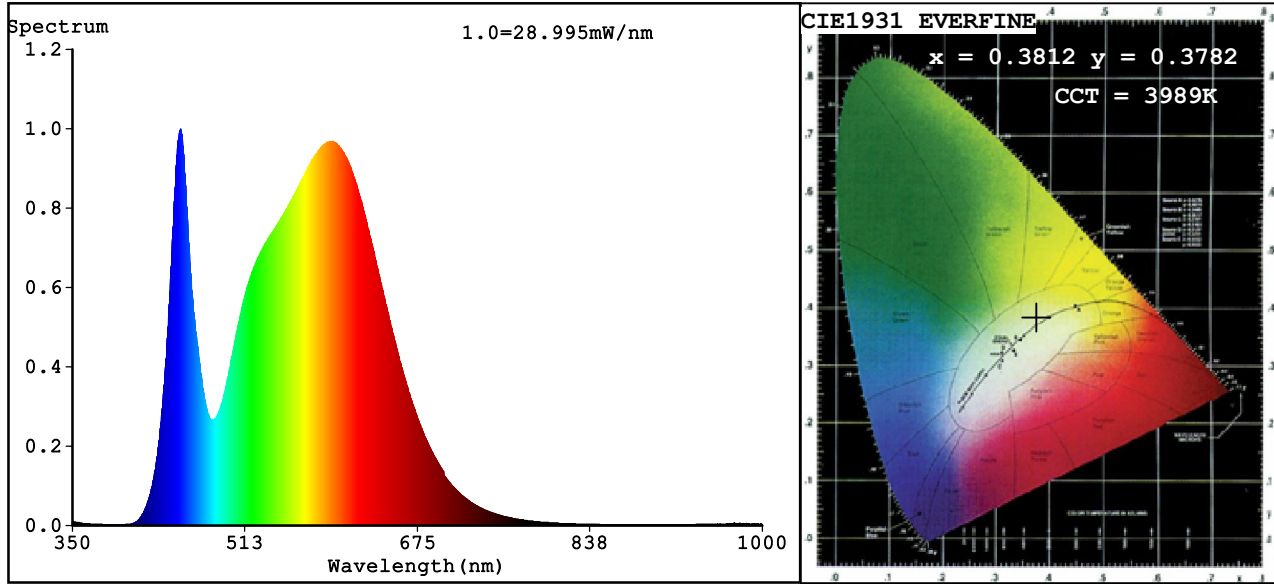
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 46192 (70%)

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

Number:99LED818
Date:2018-04-27 13:38
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3812$ $y=0.3782$ $u'=0.2251$ $v'=0.5023$

CCT=3989K(Duv=0.0004) Dominant WL:Ld =578.9nm Purity=27.9%

Ratio:R=18.2% G=78.3% B=3.4%;;Peak WL:Lp=452.0nm FWHM=25.6nm

Render Index:Ra=82.3

R1 =81	R2 =88	R3 =94	R4 =81	R5 =80	R6 =83	R7 =86	
R8 =65	R9 =8	R10=71	R11=79	R12=60	R13=82	R14=96	R15=75

Photo Parameters:

Flux = 1626 lm Eff. : 96.66 lm/W Fe = 4.960 W

Electrical parameters:

V = 230.02 V I = 0.1287 A P = 16.82 W PF = 0.5683

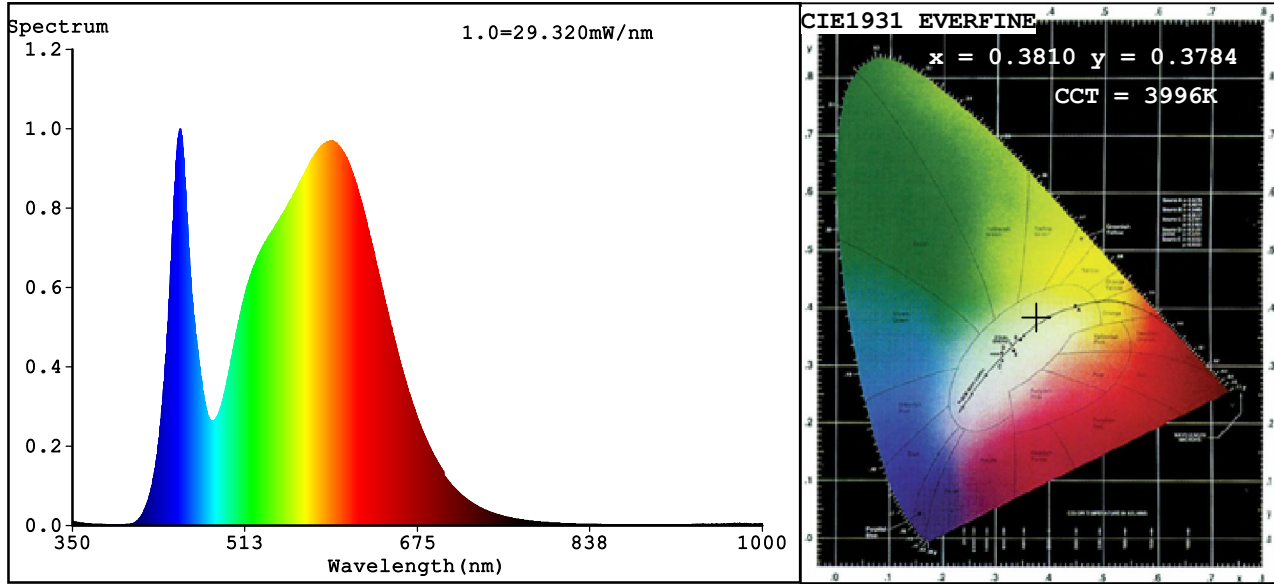
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 47235 (72%)

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

Number:99LED818
Date:2018-04-27 13:40
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3810$ $y=0.3784$ $u'=0.2248$ $v'=0.5024$

CCT=3996K(Duv=0.0006) Dominant WL:Ld =578.8nm Purity=27.9%

Ratio:R=18.2% G=78.4% B=3.4%;;Peak WL:Lp=451.3nm FWHM=25.6nm

Render Index:Ra=82.1

R1 =80	R2 =88	R3 =93	R4 =81	R5 =80	R6 =83	R7 =86	
R8 =65	R9 =8	R10=71	R11=79	R12=60	R13=82	R14=96	R15=75

Photo Parameters:

Flux = 1650 lm Eff. : 96.30 lm/W Fe = 5.028 W

Electrical parameters:

V = 230.02 V I = 0.1306 A P = 17.13 W PF = 0.5701

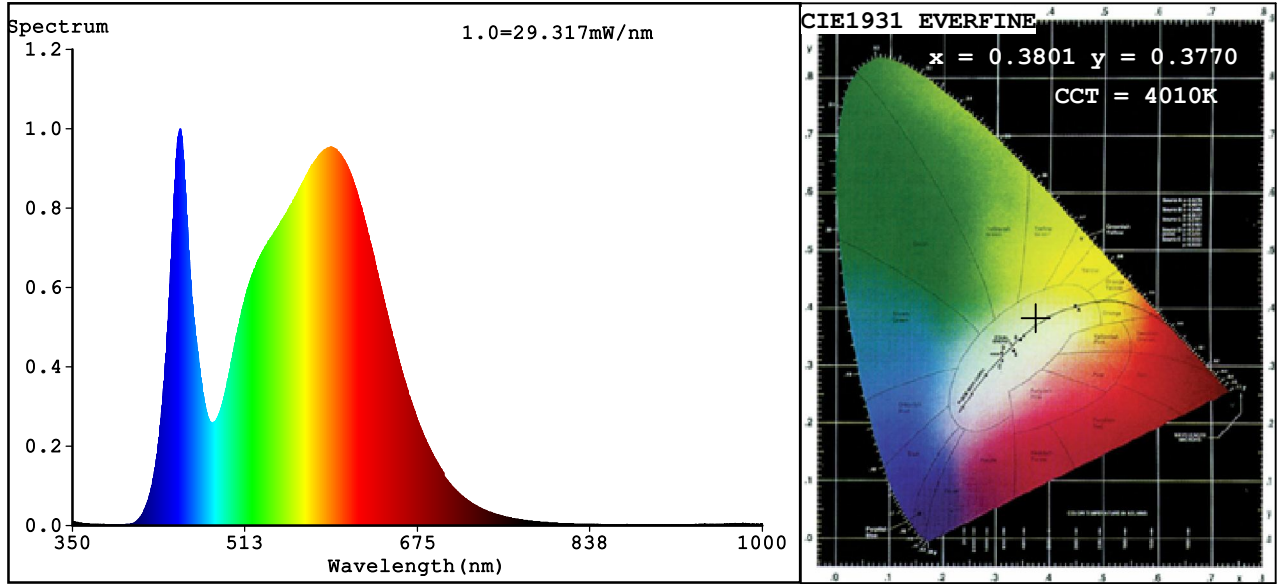
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 47880 (73%)

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

Number:99LED818
Date:2018-04-27 13:42
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3801$ $y=0.3770$ $u'=0.2248$ $v'=0.5017$
 CCT=4010K(Duv=0.0002) Dominant WL:Ld =578.9nm Purity=27.2%
 Ratio:R=18.2% G=78.4% B=3.4%;;Peak WL:Lp=451.9nm FWHM=25.4nm
 Render Index:Ra=82.2
 R1 =81 R2 =88 R3 =93 R4 =81 R5 =80 R6 =83 R7 =86
 R8 =65 R9 =8 R10=71 R11=80 R12=60 R13=82 R14=96 R15=75

Photo Parameters:

Flux = 1622 lm Eff. : 97.10 lm/W Fe = 4.952 W

Electrical parameters:

V = 229.99 V I = 0.1281 A P = 16.70 W PF = 0.5669

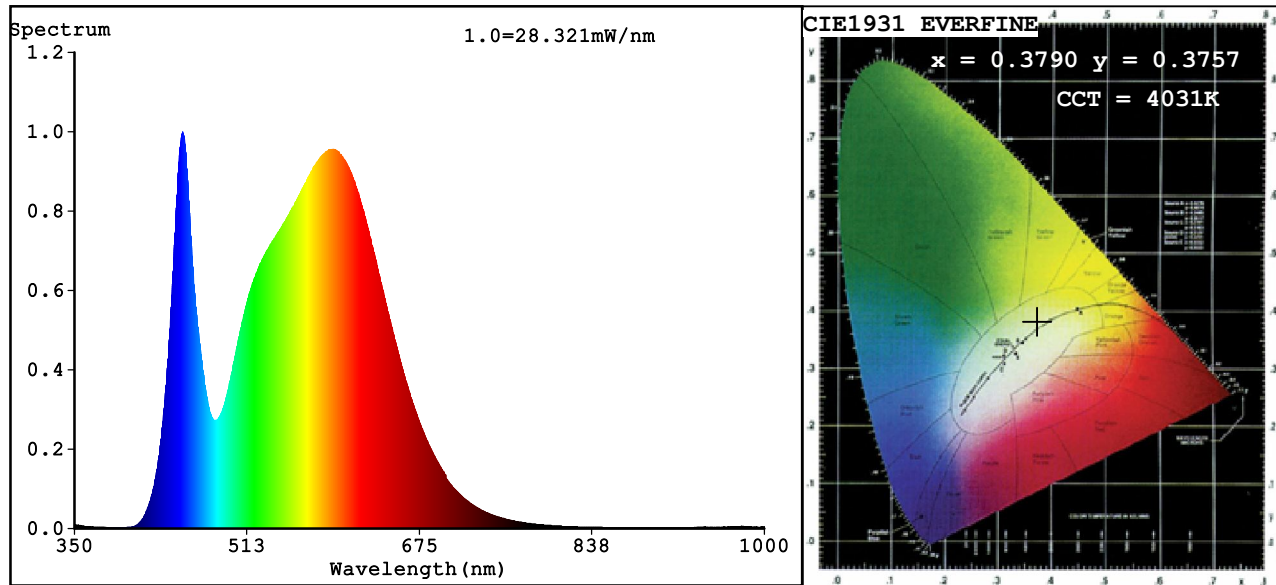
WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 47061 (72%)

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

Number:99LED818
 Date:2018-04-27 13:49
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3790$ $y=0.3757$ $u'=0.2246$ $v'=0.5009$

CCT=4031K(Duv=-0.0001) Dominant WL:Ld =579.0nm Purity=26.5%

Ratio:R=18.1% G=78.4% B=3.5%;;Peak WL:Lp=452.0nm FWHM=26.4nm

Render Index:Ra=82.3

R1 =81 R2 =88 R3 =94 R4 =81 R5 =80 R6 =83 R7 =86

R8 =65 R9 =8 R10=72 R11=79 R12=60 R13=83 R14=96 R15=75

Photo Parameters:

Flux = 1569 lm Eff. : 94.96 lm/W Fe = 4.809 W

Electrical parameters:

V = 230.01 V I = 0.1272 A P = 16.52 W PF = 0.5648

WHITE:ANSI_4000K

Status: Integral T = 33 ms Ip = 45608 (70%)

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

Number:99LED818
Date:2018-04-27 13:50
Humidity:65.0%
Remarks:017A045_4393