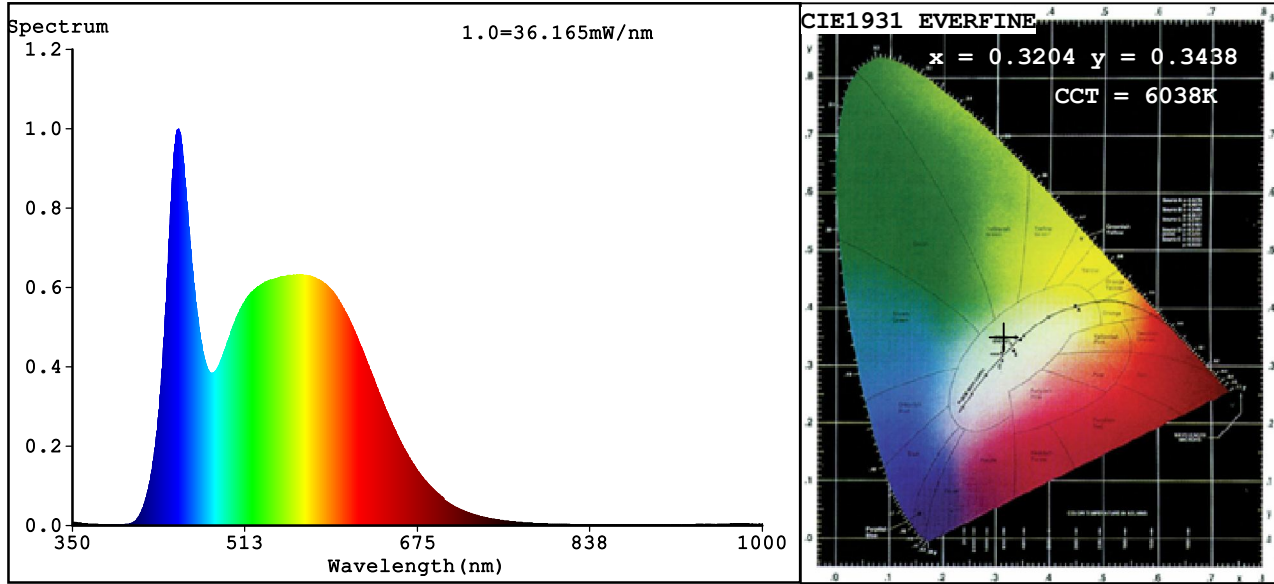


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3204$ $y=0.3438$ $u'=0.1977$ $v'=0.4772$
 CCT=6038K(Duv=0.0069) Dominant WL:Ld =502.6nm Purity=3.9%
 Ratio:R=13.7% G=80.6% B=5.7%;;Peak WL:Lp=449.9nm FWHM=32.1nm
 Render Index:Ra=84.0
 R1 =81 R2 =89 R3 =94 R4 =83 R5 =83 R6 =85 R7 =89
 R8 =69 R9 =6 R10=73 R11=83 R12=66 R13=83 R14=97 R15=75

Photo Parameters:

Flux = 1512 lm Eff. : 99.08 lm/W Fe = 4.849 W

Electrical parameters:

V = 230.01 V I = 0.1186 A P = 15.26 W PF = 0.5593

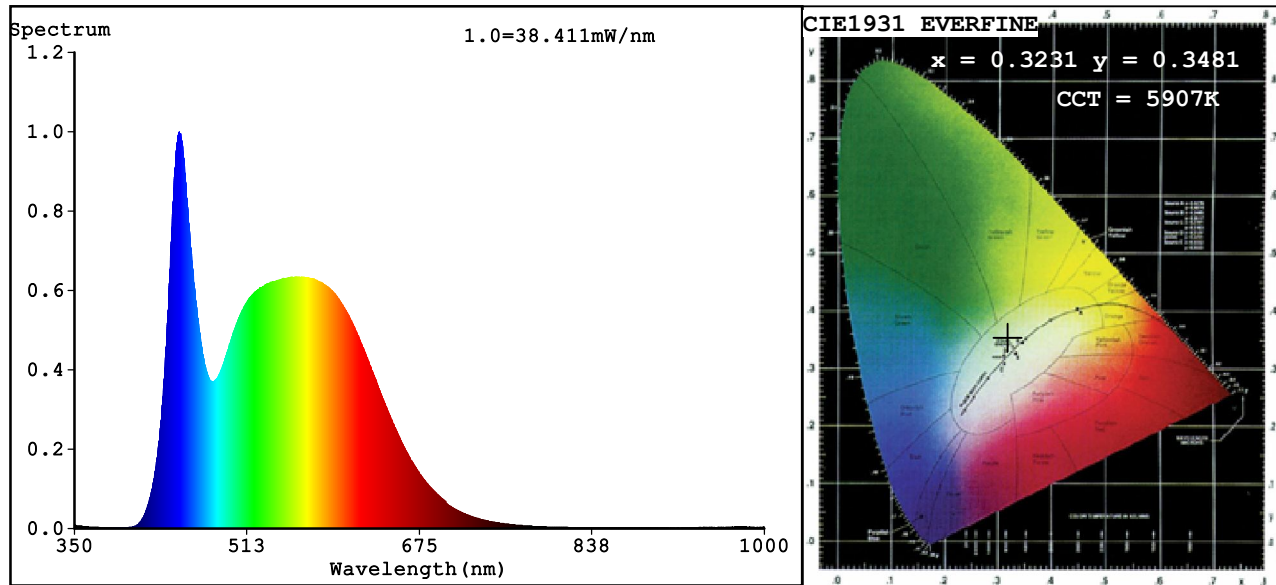
WHITE:ANSI_6500K

Status: Integral T = 28 ms Ip = 44032 (67%)

Model:LED PEAR A80/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED797
 Date:2017-11-03 10:32
 Humidity:65.0%
 Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3231$ $y=0.3481$ / $u'=0.1978$ $v'=0.4797$

CCT=5907K (Duv=0.0078) Dominant WL:Ld =512.1nm Purity=3.3%

Ratio:R=13.8% G=80.7% B=5.5%; Peak WL:Lp=448.9nm FWHM=30.2nm

Render Index:Ra=83.7

R1 =81 R2 =88 R3 =94 R4 =83 R5 =82 R6 =85 R7 =89

R8 =68 R9 =5 R10=72 R11=82 R12=66 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 1611 lm Eff. : 101.92 lm/W Fe = 5.115 W

Electrical parameters:

V = 230.00 V I = 0.1214 A P = 15.81 W PF = 0.5659

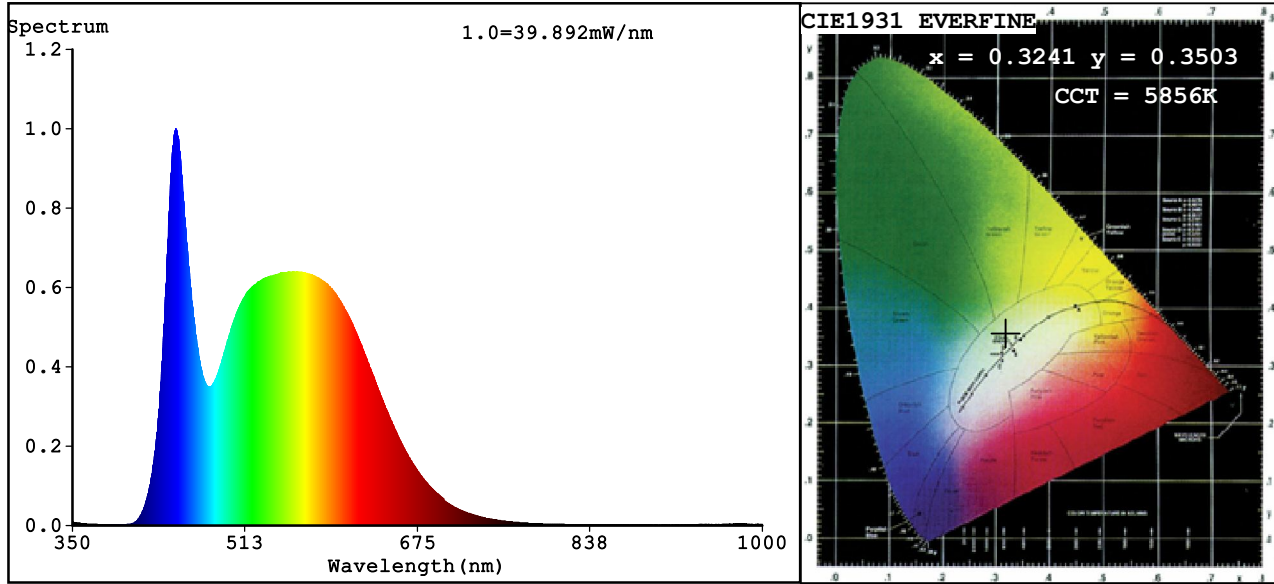
WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 46626 (71%)

Model:LED PEAR A80/15W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED797
Date:2017-11-03 10:34
Humidity:65.0%
Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3241$ $y=0.3503$ $u'=0.1978$ $v'=0.4809$
 CCT=5856K(Duv=0.0084) Dominant WL:Ld =518.5nm Purity=3.4%
 Ratio:R=13.8% G=80.9% B=5.3%;;Peak WL:Lp=447.5nm FWHM=29.0nm
 Render Index:Ra=82.9
 R1 =80 R2 =87 R3 =93 R4 =83 R5 =81 R6 =84 R7 =88
 R8 =68 R9 =2 R10=70 R11=82 R12=65 R13=81 R14=96 R15=73

Photo Parameters:

Flux = 1683 lm Eff. : 103.81 lm/W Fe = 5.308 W

Electrical parameters:

V = 230.01 V I = 0.1240 A P = 16.21 W PF = 0.5684

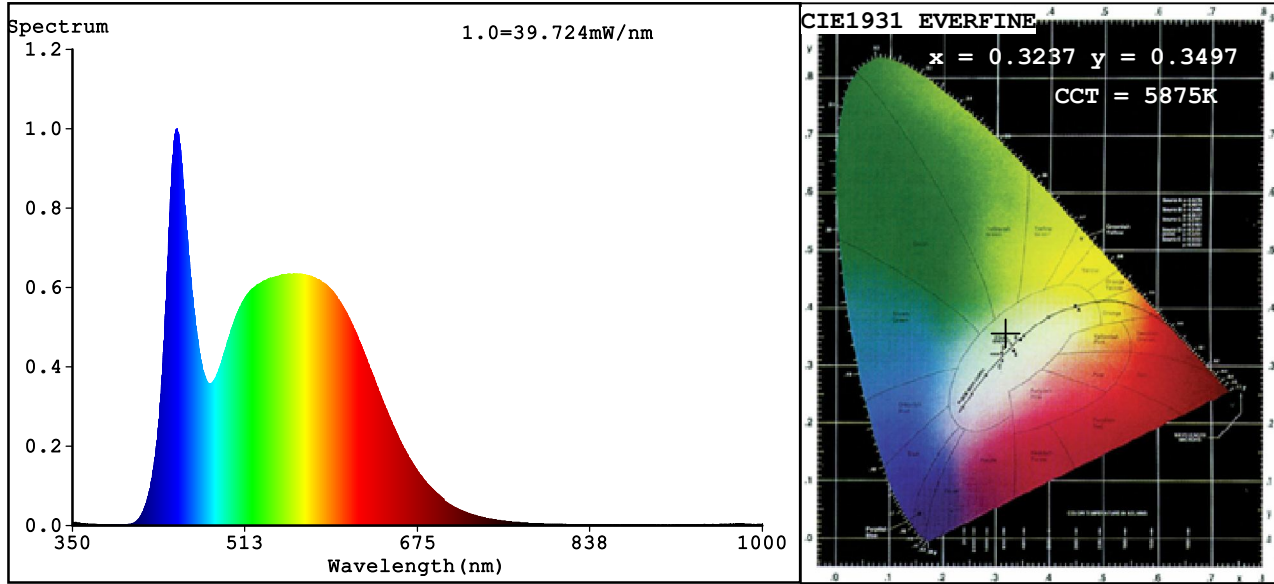
WHITE:OUT

Status: Integral T = 28 ms Ip = 48246 (74%)

Model:LED PEAR A80/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED797
 Date:2017-11-03 10:37
 Humidity:65.0%
 Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3237$ $y=0.3497/u'=0.1977$ $v'=0.4806$
 CCT=5875K(Duv=0.0083) Dominant WL:Ld =516.3nm Purity=3.4%
 Ratio:R=13.8% G=80.8% B=5.4%;;Peak WL:Lp=448.6nm FWHM=29.2nm
 Render Index:Ra=83.3
 R1 =80 R2 =87 R3 =94 R4 =83 R5 =82 R6 =84 R7 =88
 R8 =68 R9 =3 R10=71 R11=82 R12=65 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 1665 lm Eff. : 103.71 lm/W Fe = 5.259 W

Electrical parameters:

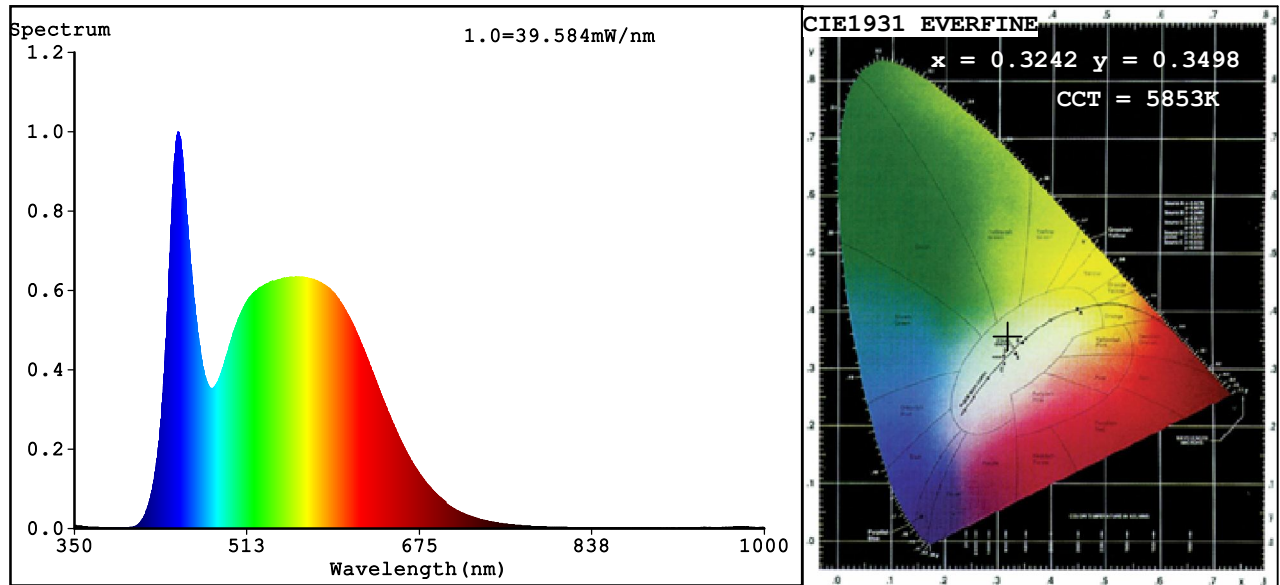
V = 229.91 V I = 0.1230 A P = 16.05 W PF = 0.5677

WHITE:OUT

Status: Integral T = 28 ms Ip = 48137 (73%)

Model:LED PEAR A80/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED797
 Date:2017-11-03 10:39
 Humidity:65.0%
 Remarks:017V038B_4096

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3242$ $y=0.3498$ $u'=0.1980$ $v'=0.4807$

CCT=5853K(Duv=0.0081) Dominant WL:Ld =517.8nm Purity=3.3%

Ratio:R=13.8% G=80.8% B=5.4%;;Peak WL:Lp=447.6nm FWHM=29.0nm

Render Index:Ra=83.2

R1 =80 R2 =87 R3 =94 R4 =83 R5 =82 R6 =84 R7 =88

R8 =68 R9 =3 R10=71 R11=82 R12=65 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 1658 lm Eff. : 102.58 lm/W Fe = 5.239 W

Electrical parameters:

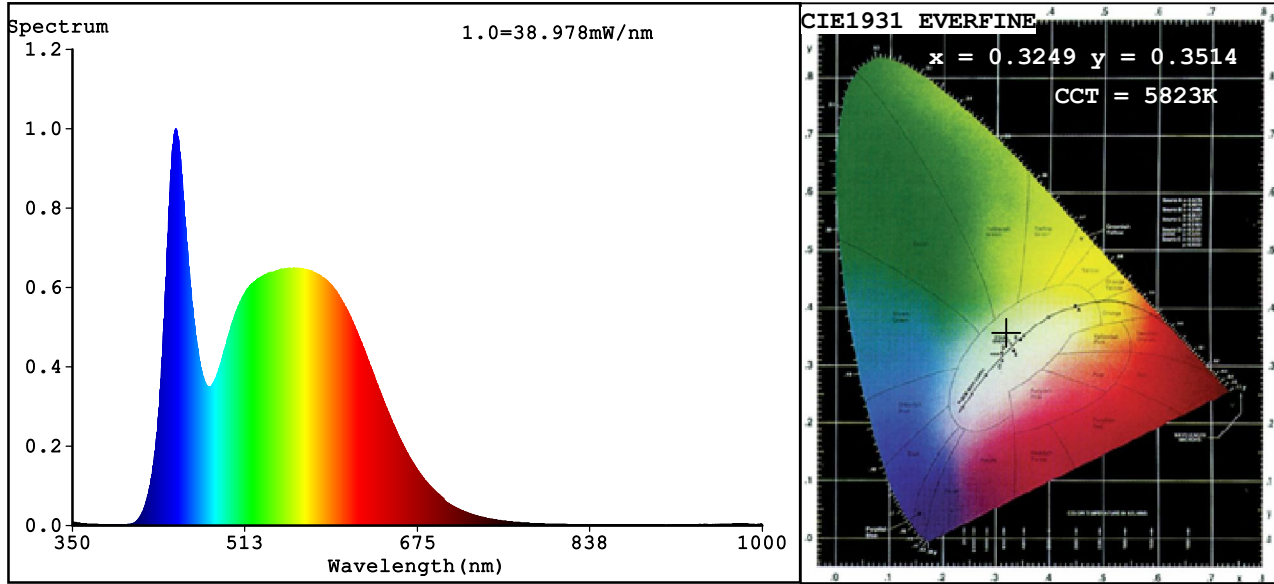
V = 229.91 V I = 0.1238 A P = 16.17 W PF = 0.5681

WHITE:OUT

Status: Integral T = 28 ms Ip = 47977 (73%)

Model:LED PEAR A80/15W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED797
Date:2017-11-03 10:41
Humidity:65.0%
Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3249$ $y=0.3514$ $u'=0.1979$ $v'=0.4816$
 CCT=5823K(Duv=0.0086) Dominant WL:Ld =523.3nm Purity=3.6%
 Ratio:R=13.8% G=80.9% B=5.3%;;Peak WL:Lp=447.3nm FWHM=29.1nm
 Render Index:Ra=82.8
 R1 =79 R2 =87 R3 =93 R4 =83 R5 =81 R6 =83 R7 =88
 R8 =67 R9 =1 R10=70 R11=82 R12=65 R13=81 R14=96 R15=73

Photo Parameters:

Flux = 1667 lm Eff. : 103.20 lm/W Fe = 5.246 W

Electrical parameters:

V = 229.93 V I = 0.1231 A P = 16.15 W PF = 0.5708

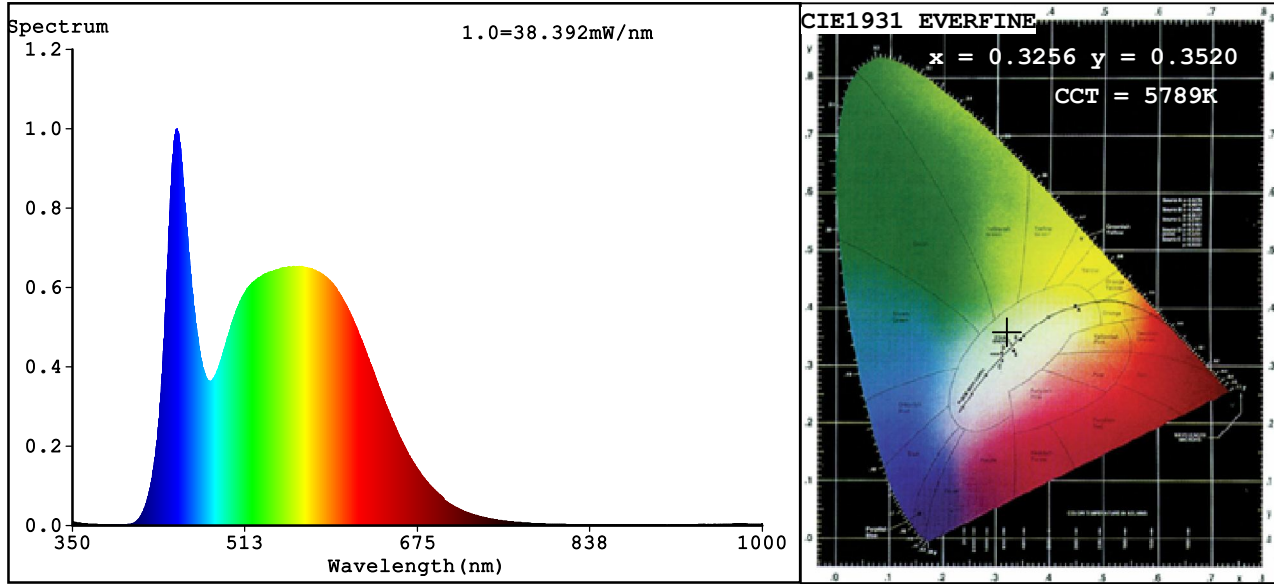
WHITE:OUT

Status: Integral T = 28 ms Ip = 47105 (72%)

Model:LED PEAR A80/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED797
 Date:2017-11-03 10:43
 Humidity:65.0%
 Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3256$ $y=0.3520$ / $u'=0.1981$ $v'=0.4820$
CCT=5789K(Duv=0.0086) Dominant WL:Ld =527.3nm Purity=3.9%
Ratio:R=13.9% G=80.8% B=5.4%;; Peak WL:Lp=448.6nm FWHM=29.5nm
Render Index:Ra=83.1
R1 =80 R2 =87 R3 =94 R4 =83 R5 =81 R6 =84 R7 =88
R8 =67 R9 =2 R10=71 R11=82 R12=65 R13=82 R14=97 R15=73

Photo Parameters:

Flux = 1655 lm Eff. : 102.86 lm/W Fe = 5.207 W

Electrical parameters:

V = 229.91 V I = 0.1229 A P = 16.09 W PF = 0.5696

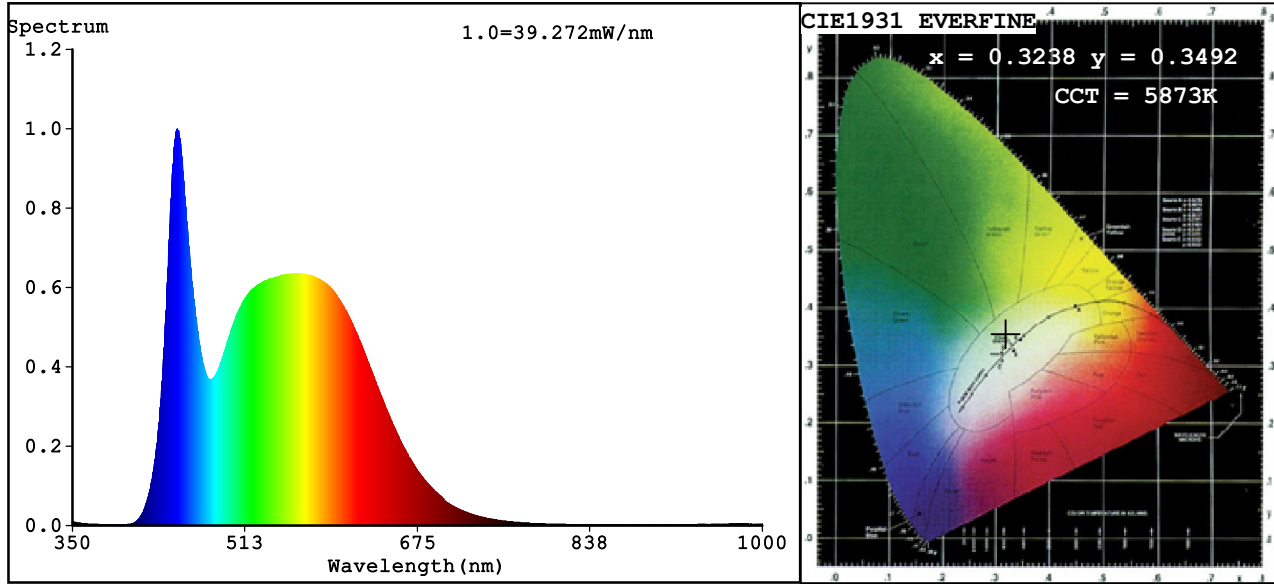
WHITE:OUT

Status: Integral T = 28 ms Ip = 46523 (71%)

Model:LED PEAR A80/15W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED797
Date:2017-11-03 10:45
Humidity:65.0%
Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3238$ $y=0.3492$ $u'=0.1979$ $v'=0.4804$

CCT=5873K(Duv=0.0080) Dominant WL:Ld =515.7nm Purity=3.3%

Ratio:R=13.8% G=80.7% B=5.5%;;Peak WL:Lp=448.6nm FWHM=29.8nm

Render Index:Ra=83.6

R1 =80 R2 =88 R3 =94 R4 =83 R5 =82 R6 =85 R7 =89

R8 =68 R9 =4 R10=72 R11=82 R12=65 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 1649 lm Eff. : 102.86 lm/W Fe = 5.222 W

Electrical parameters:

V = 229.91 V I = 0.1229 A P = 16.03 W PF = 0.5671

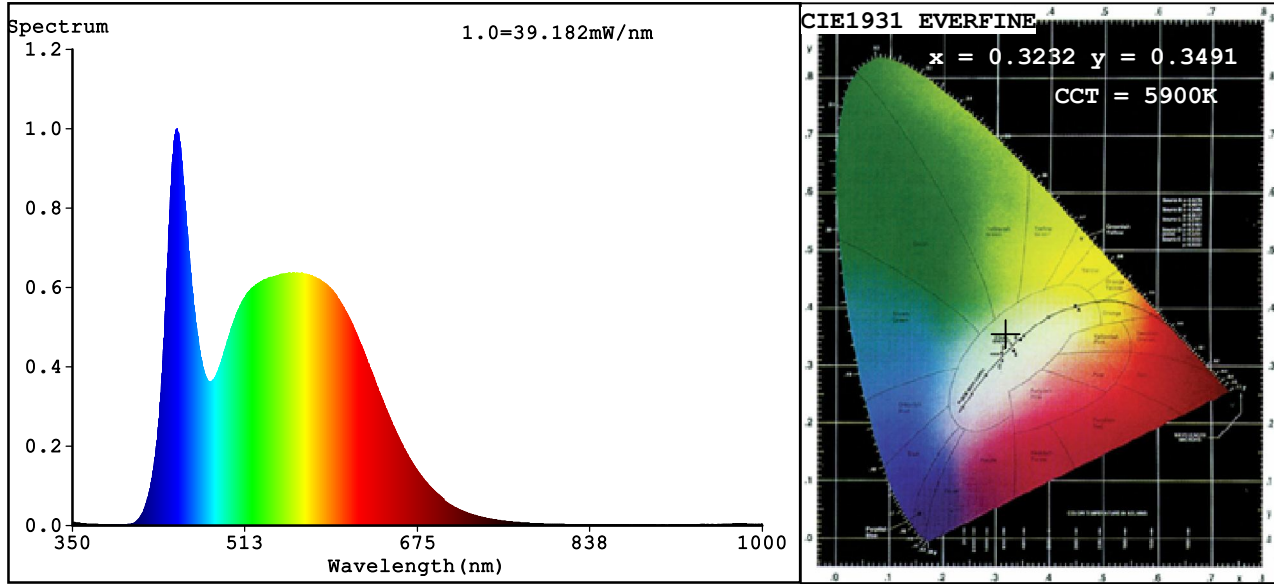
WHITE:OUT

Status: Integral T = 28 ms Ip = 47669 (73%)

Model:LED PEAR A80/15W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED797
Date:2017-11-03 10:48
Humidity:65.0%
Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3232$ $y=0.3491/u'=0.1976$ $v'=0.4802$
 CCT=5900K(Duv=0.0082) Dominant WL:Ld =513.8nm Purity=3.4%
 Ratio:R=13.8% G=80.8% B=5.5%;;Peak WL:Lp=448.6nm FWHM=29.7nm
 Render Index:Ra=83.3
 R1 =80 R2 =88 R3 =94 R4 =83 R5 =82 R6 =84 R7 =88
 R8 =68 R9 =3 R10=71 R11=82 R12=65 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 1648 lm Eff. : 102.99 lm/W Fe = 5.213 W

Electrical parameters:

V = 229.91 V I = 0.1222 A P = 16.00 W PF = 0.5695

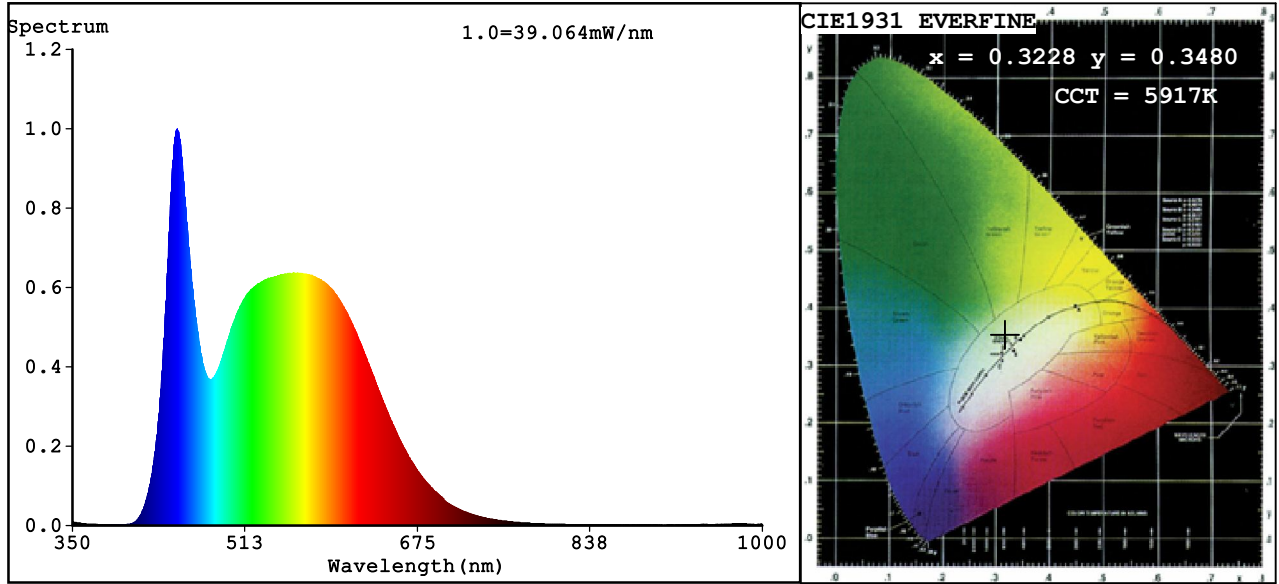
WHITE:OUT

Status: Integral T = 28 ms Ip = 47497 (72%)

Model:LED PEAR A80/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED797
 Date:2017-11-03 10:50
 Humidity:65.0%
 Remarks:017V038B_4096

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3228$ $y=0.3480$ $u'=0.1978$ $v'=0.4796$
 CCT=5917K (Duv=0.0078) Dominant WL:Ld =511.4nm Purity=3.3%
 Ratio:R=13.8% G=80.7% B=5.5%;; Peak WL:Lp=448.6nm FWHM=30.2nm
 Render Index:Ra=83.6
 R1 =80 R2 =88 R3 =94 R4 =83 R5 =82 R6 =85 R7 =89
 R8 =68 R9 =4 R10=72 R11=82 R12=66 R13=82 R14=97 R15=74

Photo Parameters:

Flux = 1643 lm Eff. : 102.75 lm/W Fe = 5.216 W

Electrical parameters:

V = 229.91 V I = 0.1228 A P = 15.99 W PF = 0.5662

WHITE:ANSI_5700K

Status: Integral T = 28 ms Ip = 47392 (72%)

Model:LED PEAR A80/15W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED797
 Date:2017-11-03 10:53
 Humidity:65.0%
 Remarks:017V038B_4096