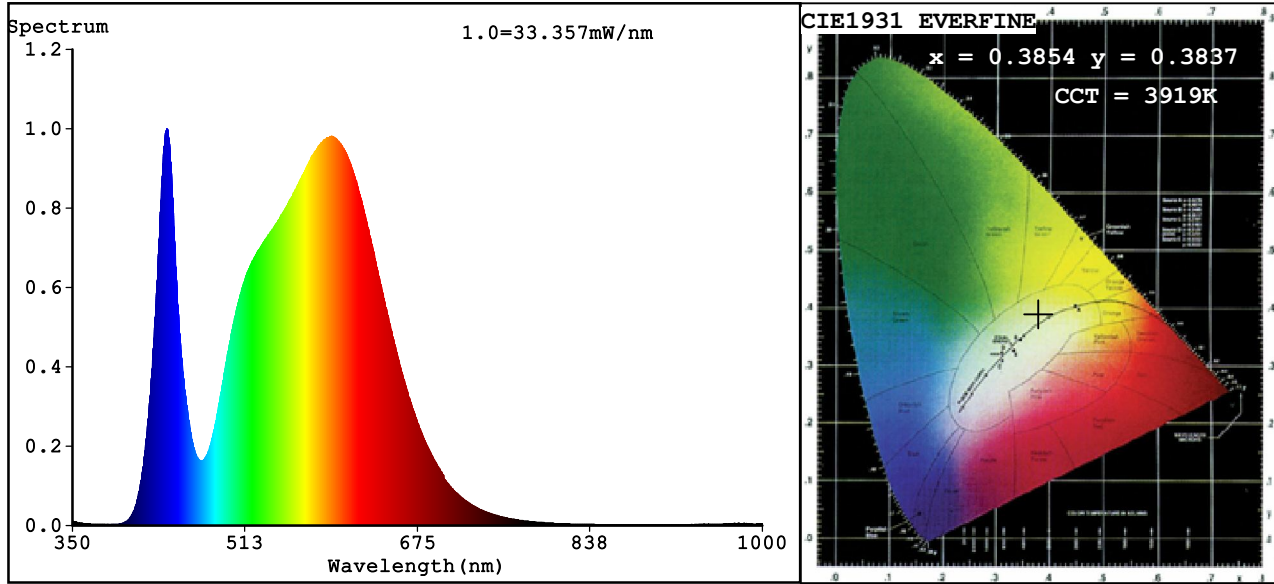


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3854$ $y=0.3837$ / $u'=0.2256$ $v'=0.5053$
CCT=3919K (Duv=0.0018) Dominant WL:Ld =578.5nm Purity=30.8%
Ratio:R=18.1% G=79.0% B=2.9%;; Peak WL:Lp=439.1nm FWHM=23.2nm
Render Index:Ra=80.0
R1 =78 R2 =84 R3 =90 R4 =82 R5 =79 R6 =80 R7 =84
R8 =63 R9 =0 R10=64 R11=83 R12=66 R13=79 R14=94 R15=71

Photo Parameters:

Flux = 1890 lm Eff. : 96.96 lm/W Fe = 5.757 W

Electrical parameters:

V = 229.95 V I = 0.1465 A P = 19.49 W PF = 0.5787

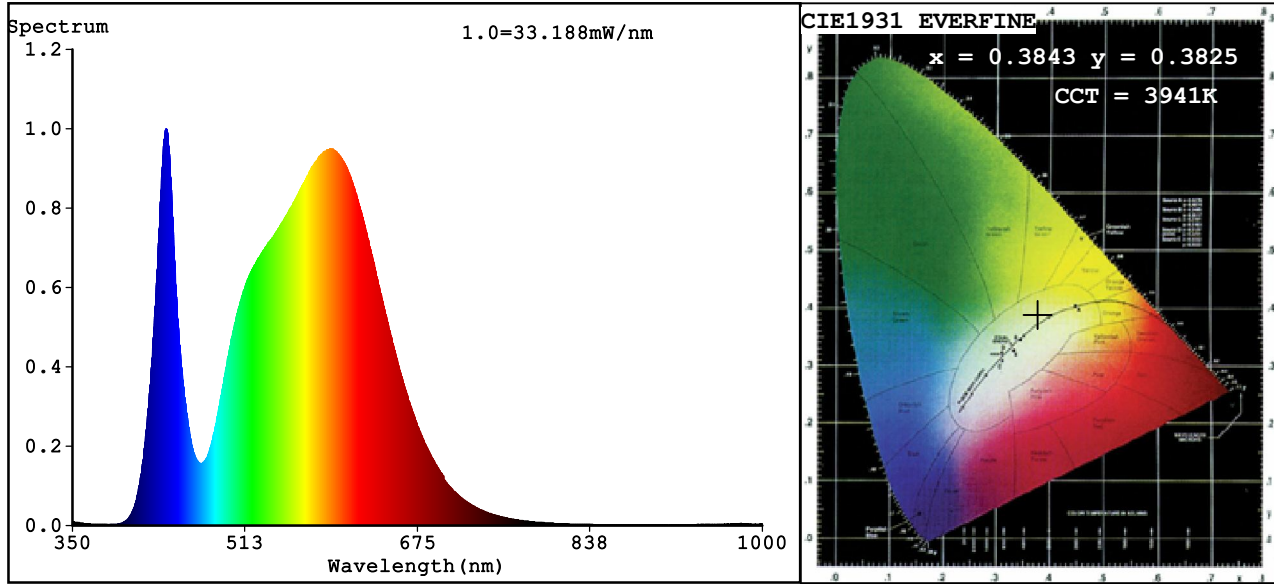
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 51625 (79%)

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

Number:99LED908
Date:2018-03-30 13:38
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3843$ $y=0.3825$ $u'=0.2253$ $v'=0.5046$
 CCT=3941K(Duv=0.0016) Dominant WL:Ld =578.5nm Purity=30.1%
 Ratio:R=18.1% G=79.0% B=2.9%;;Peak WL:Lp=438.1nm FWHM=23.0nm
 Render Index:Ra=79.7
 R1 =78 R2 =84 R3 =90 R4 =81 R5 =79 R6 =80 R7 =83
 R8 =63 R9 =0 R10=63 R11=82 R12=66 R13=78 R14=94 R15=71

Photo Parameters:

Flux = 1823 lm Eff. : 94.05 lm/W Fe = 5.579 W

Electrical parameters:

V = 229.94 V I = 0.1457 A P = 19.38 W PF = 0.5787

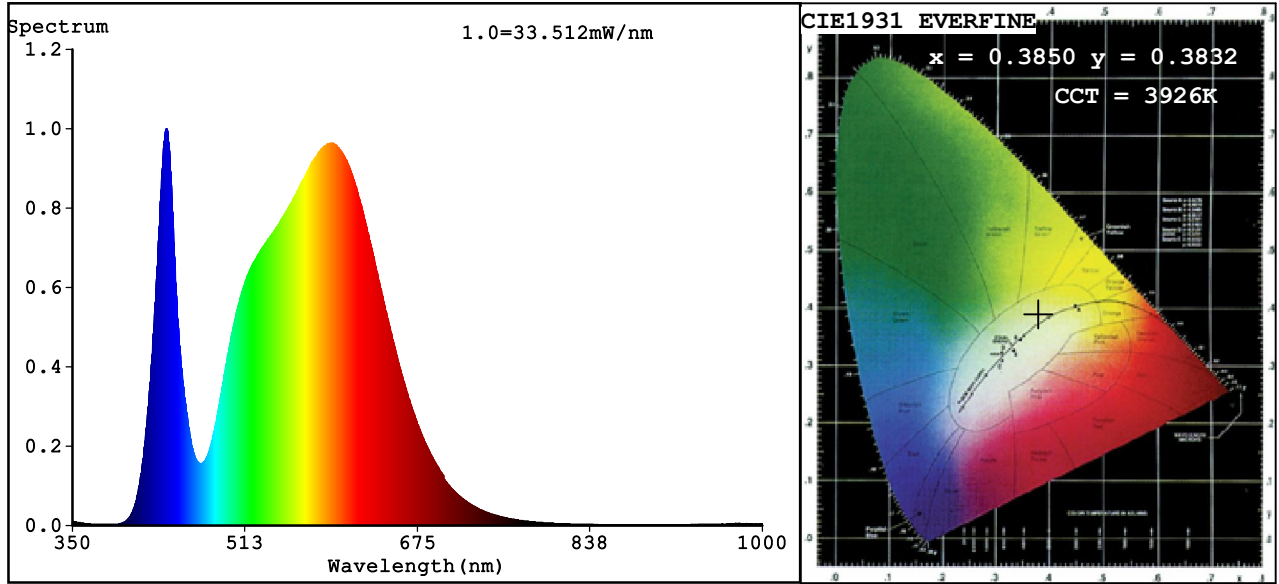
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 49815 (76%)

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

Number:99LED908
 Date:2018-03-30 13:48
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3850$ $y=0.3832$ $u'=0.2255$ $v'=0.5051$

CCT=3926K(Duv=0.0017) Dominant WL:Ld =578.5nm Purity=30.6%

Ratio:R=18.1% G=79.0% B=2.9%;;Peak WL:Lp=439.0nm FWHM=23.2nm

Render Index:Ra=79.9

R1 =78	R2 =84	R3 =90	R4 =82	R5 =79	R6 =80	R7 =84	
R8 =63	R9 =0	R10=63	R11=83	R12=66	R13=79	R14=94	R15=71

Photo Parameters:

Flux = 1869 lm Eff. : 95.68 lm/W Fe = 5.717 W

Electrical parameters:

V = 229.84 V I = 0.1467 A P = 19.53 W PF = 0.5796

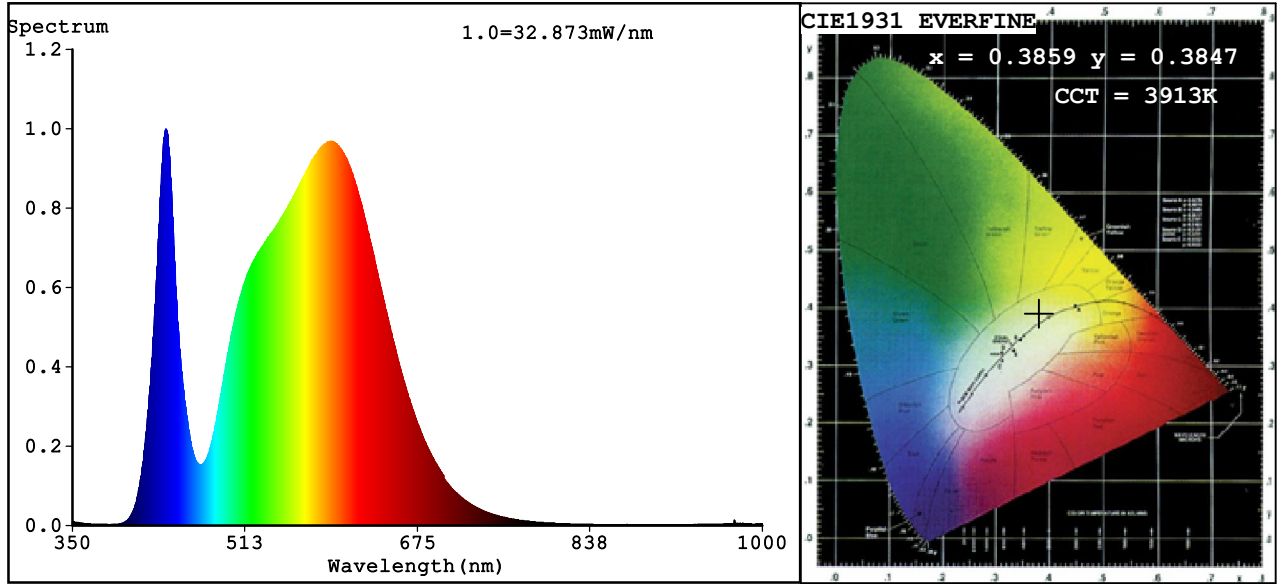
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 50999 (78%)

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

Number:99LED908
Date:2018-03-30 13:51
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3859$ $y=0.3847$ / $u'=0.2256$ $v'=0.5058$
 CCT=3913K (Duv=0.0021) Dominant WL:Ld =578.4nm Purity=31.3%
 Ratio:R=18.1% G=79.0% B=2.9%; Peak WL:Lp=438.0nm FWHM=22.8nm
 Render Index:Ra=79.7
 R1 =78 R2 =84 R3 =90 R4 =81 R5 =79 R6 =80 R7 =84
 R8 =63 R9 =0 R10=63 R11=82 R12=66 R13=78 R14=94 R15=71

Photo Parameters:

Flux = 1843 lm Eff. : 93.42 lm/W Fe = 5.617 W

Electrical parameters:

V = 229.96 V I = 0.1480 A P = 19.73 W PF = 0.5797

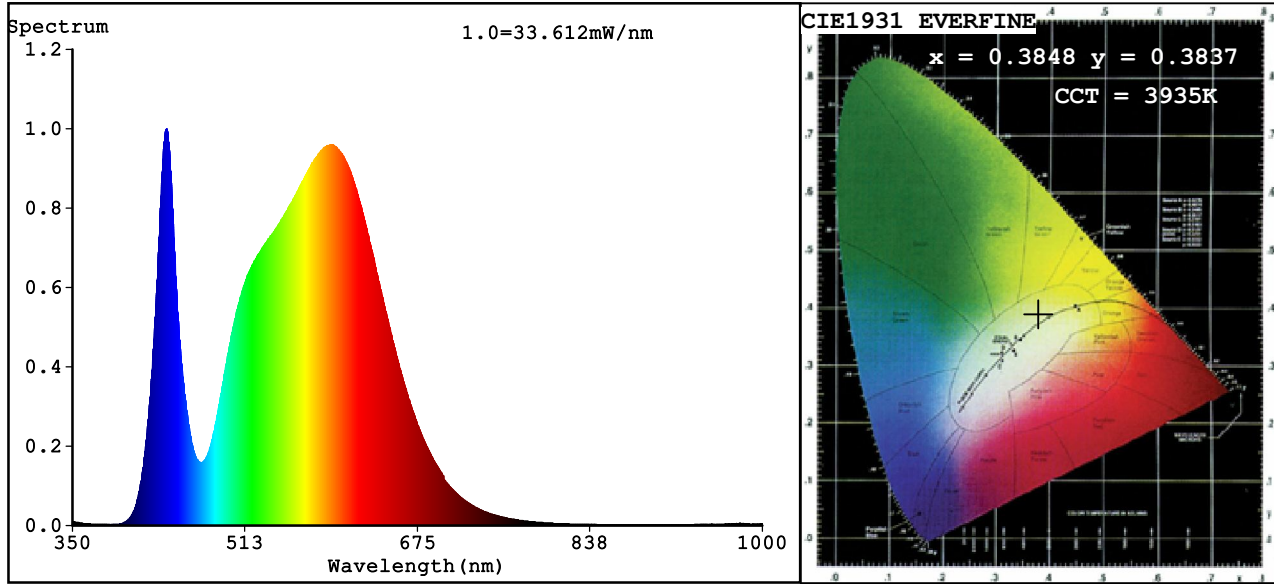
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 50318 (77%)

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

Number:99LED908
 Date:2018-03-30 13:53
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3848$ $y=0.3837$ / $u'=0.2252$ $v'=0.5053$
 CCT=3935K (Duv=0.0020) Dominant WL:Ld =578.3nm Purity=30.6%
 Ratio:R=18.1% G=79.0% B=2.9%; Peak WL:Lp=438.7nm FWHM=22.7nm
 Render Index:Ra=79.9
 R1 =78 R2 =84 R3 =90 R4 =82 R5 =79 R6 =80 R7 =84
 R8 =63 R9 =0 R10=63 R11=83 R12=66 R13=79 R14=94 R15=71

Photo Parameters:

Flux = 1870 lm Eff. : 97.27 lm/W Fe = 5.702 W

Electrical parameters:

V = 229.94 V I = 0.1451 A P = 19.23 W PF = 0.5761

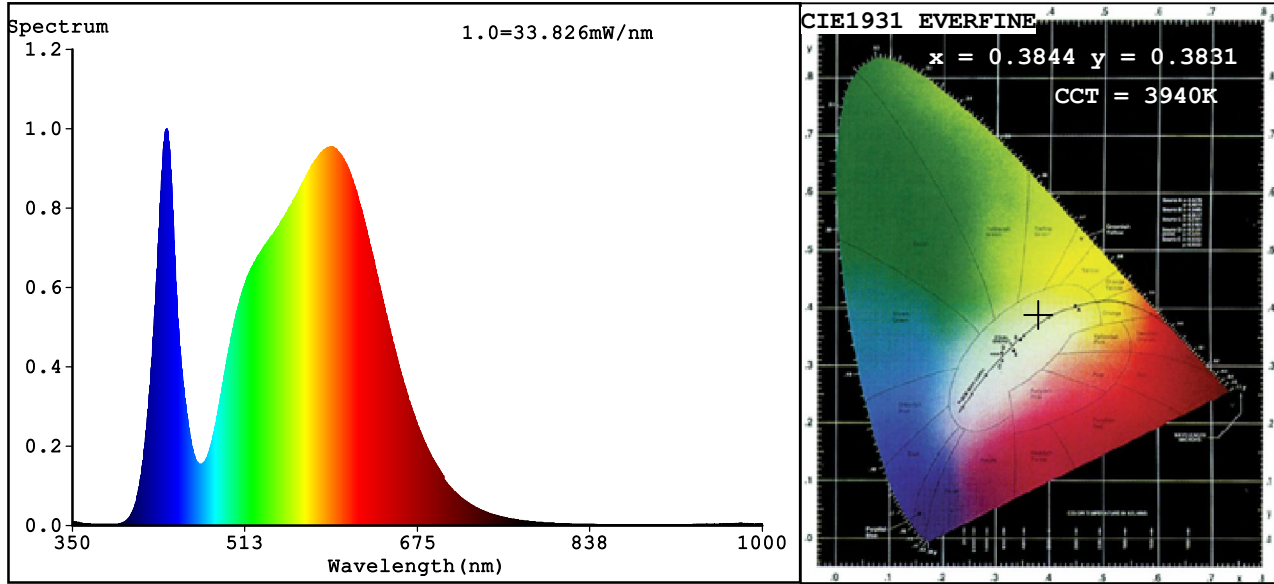
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 50998 (78%)

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

Number:99LED908
 Date:2018-03-30 13:54
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3844$ $y=0.3831$ $u'=0.2252$ $v'=0.5049$
 CCT=3940K(Duv=0.0018) Dominant WL:Ld =578.4nm Purity=30.3%
 Ratio:R=18.1% G=79.0% B=2.9%;;Peak WL:Lp=438.7nm FWHM=23.0nm
 Render Index:Ra=79.8
 R1 =78 R2 =84 R3 =90 R4 =82 R5 =79 R6 =80 R7 =84
 R8 =63 R9 =0 R10=63 R11=83 R12=66 R13=79 R14=94 R15=71

Photo Parameters:

Flux = 1872 lm Eff. : 95.92 lm/W Fe = 5.723 W

Electrical parameters:

V = 229.90 V I = 0.1472 A P = 19.52 W PF = 0.5765

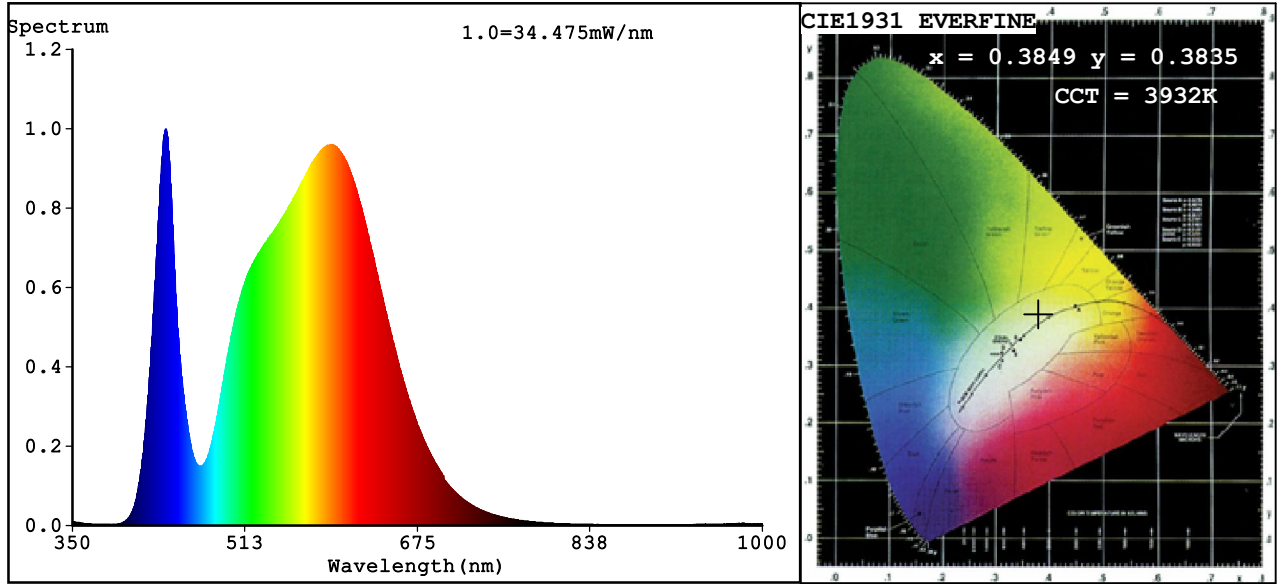
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 51038 (78%)

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

Number:99LED908
 Date:2018-03-30 14:49
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3849$ $y=0.3835$ $u'=0.2253$ $v'=0.5052$
 CCT=3932K(Duv=0.0019) Dominant WL:Ld =578.4nm Purity=30.6%
 Ratio:R=18.1% G=79.1% B=2.9%;;Peak WL:Lp=438.0nm FWHM=23.7nm
 Render Index:Ra=79.6
 R1 =78 R2 =83 R3 =90 R4 =81 R5 =79 R6 =80 R7 =83
 R8 =63 R9 =0 R10=63 R11=83 R12=66 R13=78 R14=94 R15=71

Photo Parameters:

Flux = 1920 lm Eff. : 96.29 lm/W Fe = 5.876 W

Electrical parameters:

V = 229.91 V I = 0.1499 A P = 19.94 W PF = 0.5787

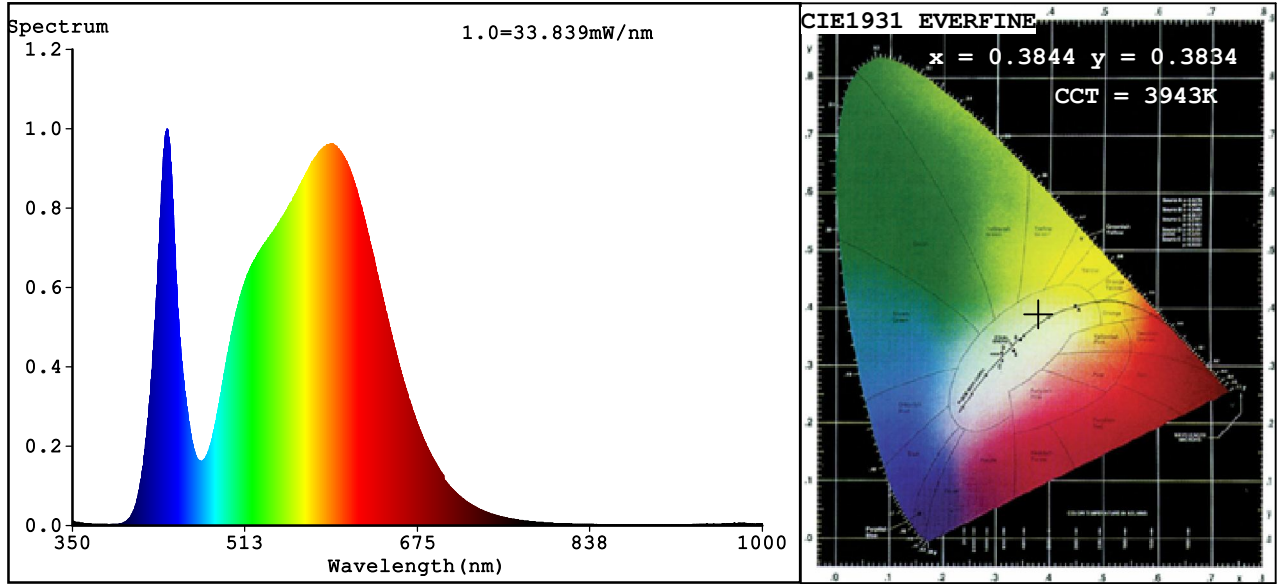
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 52331 (80%)

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

Number:99LED908
 Date:2018-03-30 14:53
 Humidity:65.0%
 Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3844$ $y=0.3834$ $u'=0.2251$ $v'=0.5051$

CCT=3943K(Duv=0.0019) Dominant WL:Ld =578.3nm Purity=30.4%

Ratio:R=18.1% G=79.0% B=2.9%;;Peak WL:Lp=439.3nm FWHM=22.8nm

Render Index:Ra=80.0

R1 =78	R2 =84	R3 =90	R4 =82	R5 =79	R6 =80	R7 =84	
R8 =63	R9 =0	R10=64	R11=83	R12=66	R13=79	R14=94	R15=71

Photo Parameters:

Flux = 1889 lm Eff. : 95.98 lm/W Fe = 5.763 W

Electrical parameters:

V = 229.94 V I = 0.1479 A P = 19.68 W PF = 0.5786

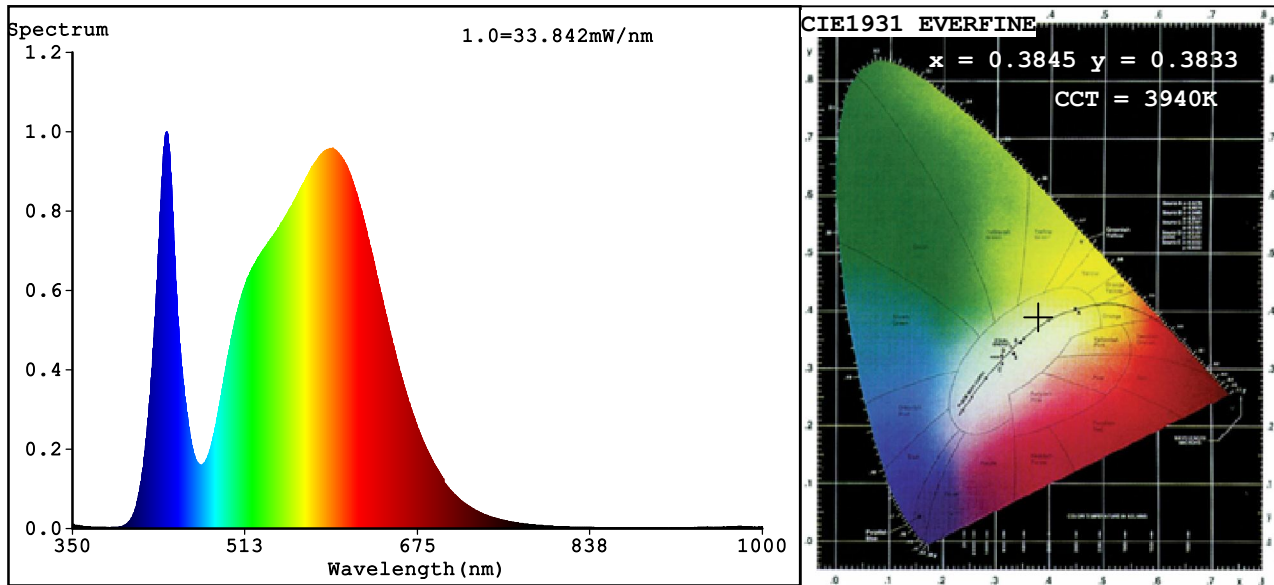
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 51442 (78%)

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

Number:99LED908
Date:2018-03-30 14:55
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3845$ $y=0.3833$ $u'=0.2252$ $v'=0.5050$

CCT=3940K(Duv=0.0019) Dominant WL:Ld =578.4nm Purity=30.4%

Ratio:R=18.1% G=79.0% B=2.9%;;Peak WL:Lp=438.7nm FWHM=22.8nm

Render Index:Ra=80.0

R1 =78	R2 =84	R3 =90	R4 =82	R5 =79	R6 =80	R7 =84	
R8 =63	R9 =1	R10=64	R11=83	R12=66	R13=79	R14=94	R15=71

Photo Parameters:

Flux = 1881 lm Eff. : 96.34 lm/W Fe = 5.744 W

Electrical parameters:

V = 229.93 V I = 0.1470 A P = 19.52 W PF = 0.5774

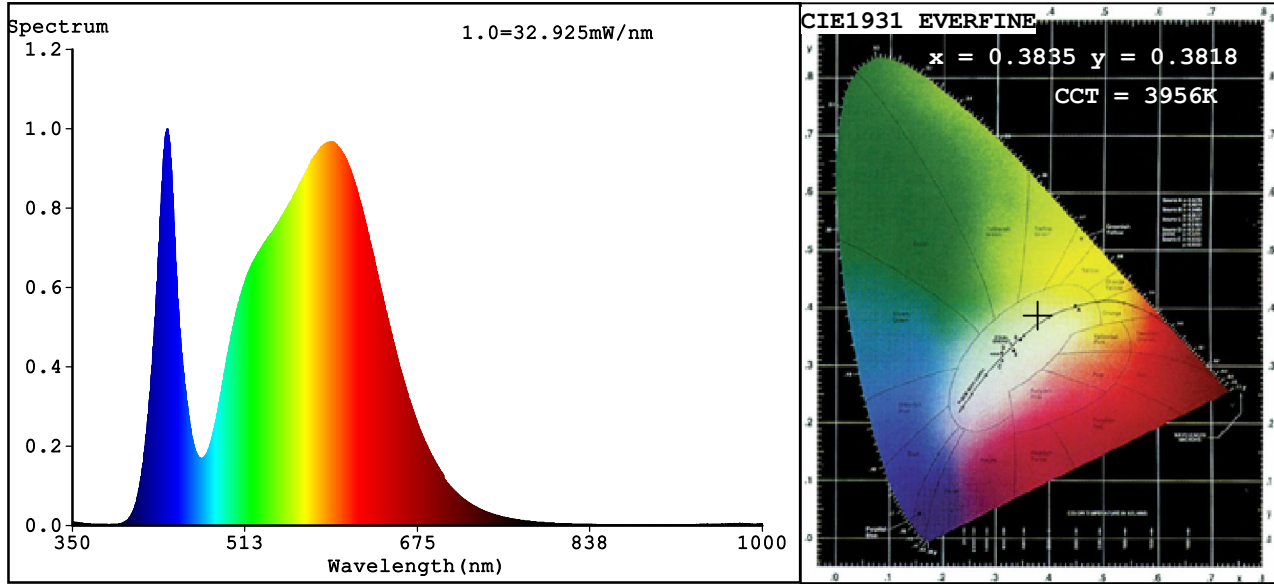
WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 51204 (78%)

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

Number:99LED908
Date:2018-03-30 14:56
Humidity:65.0%
Remarks:017A045_4393

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3835$ $y=0.3818$ $u'=0.2251$ $v'=0.5043$

CCT=3956K(Duv=0.0015) Dominant WL:Ld =578.5nm Purity=29.7%

Ratio:R=18.0% G=79.0% B=3.0%;;Peak WL:Lp=439.4nm FWHM=23.6nm

Render Index:Ra=80.0

R1 =78	R2 =84	R3 =90	R4 =82	R5 =79	R6 =80	R7 =84	
R8 =63	R9 =1	R10=64	R11=82	R12=67	R13=79	R14=94	R15=71

Photo Parameters:

Flux = 1847 lm Eff. : 94.80 lm/W Fe = 5.651 W

Electrical parameters:

V = 229.93 V I = 0.1473 A P = 19.48 W PF = 0.5753

WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 50415 (77%)

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

Number:99LED908
Date:2018-03-30 14:57
Humidity:65.0%
Remarks:017A045_4393