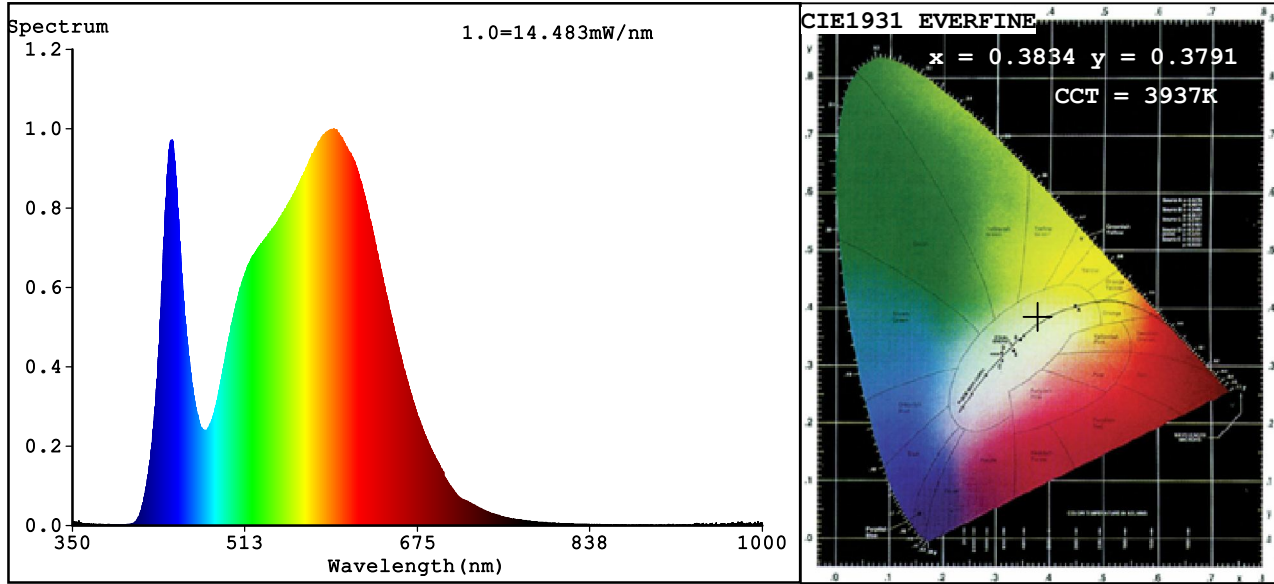


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3834$ $y=0.3791/u'=0.2261$ $v'=0.5031$

CCT=3937K(Duv=0.0002) Dominant WL:Ld =579.2nm Purity=28.9%

Ratio:R=18.5% G=78.2% B=3.3%;;Peak WL:Lp=596.4nm FWHM=153.1nm

Render Index:Ra=83.2

R1 =82 R2 =88 R3 =93 R4 =84 R5 =82 R6 =84 R7 =86

R8 =66 R9 =12 R10=71 R11=85 R12=70 R13=83 R14=96 R15=75

Photo Parameters:

Flux = 833.5 lm Eff. : 63.94 lm/W Fe = 2.557 W

Electrical parameters:

V = 229.93 V I = 0.1122 A P = 13.04 W PF = 0.5053

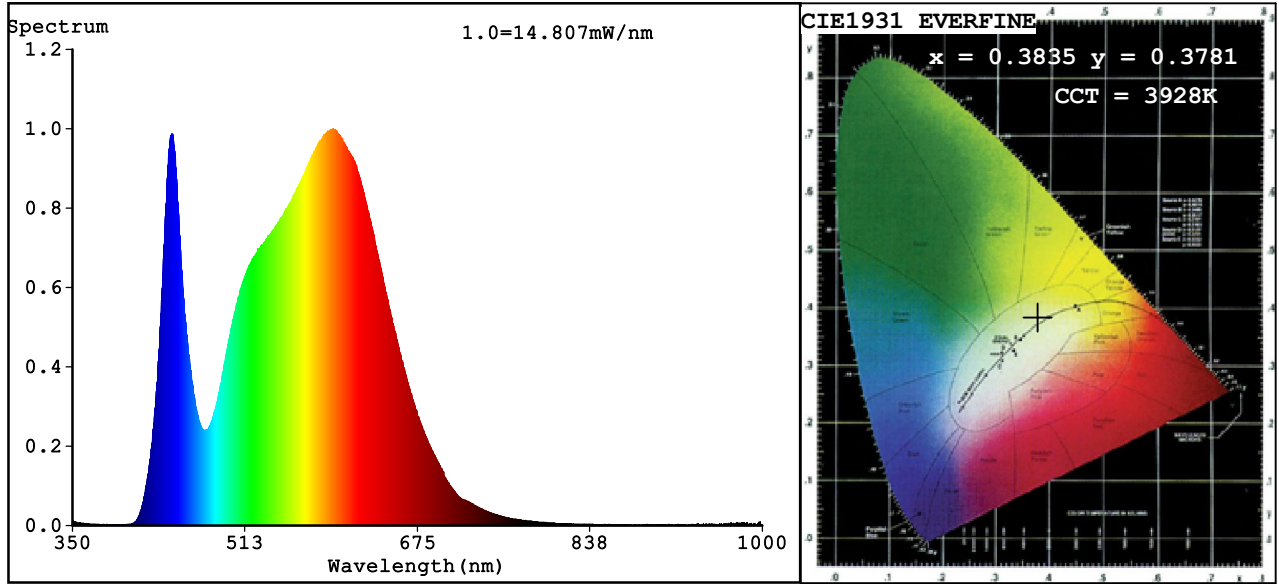
WHITE:ANSI_4000K

Status: Integral T = 52 ms Ip = 38179 (58%)

Model:LED PANEL SQUARE/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED632
Date:2018-03-14 16:43
Humidity:65.0%
Remarks:017V060A_4392

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3835$ $y=0.3781$ / $u'=0.2266$ $v'=0.5026$
 CCT=3928K (Duv=-0.0002) Dominant WL:Ld =579.5nm Purity=28.6%
 Ratio:R=18.6% G=78.1% B=3.3%;; Peak WL:Lp=595.8nm FWHM=152.8nm
 Render Index:Ra=83.3
 R1 =82 R2 =88 R3 =93 R4 =84 R5 =83 R6 =84 R7 =86
 R8 =67 R9 =12 R10=72 R11=85 R12=71 R13=83 R14=96 R15=76

Photo Parameters:

Flux = 848.6 lm Eff. : 66.58 lm/W Fe = 2.610 W

Electrical parameters:

V = 229.81 V I = 0.1109 A P = 12.75 W PF = 0.5001

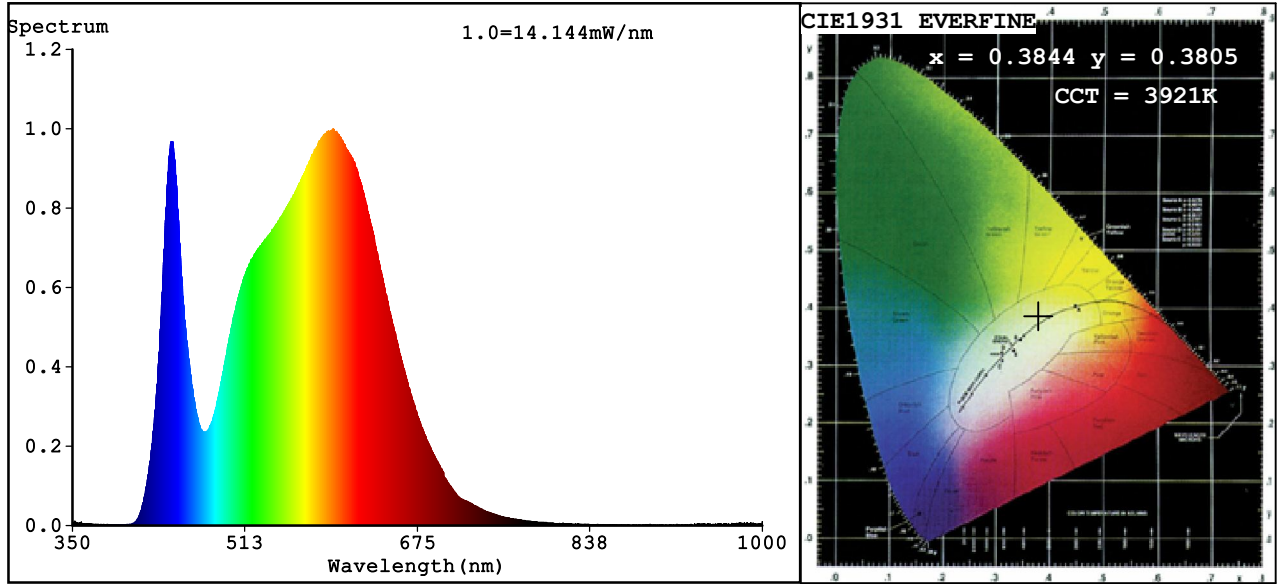
WHITE:ANSI_4000K

Status: Integral T = 52 ms Ip = 38913 (59%)

Model:LED PANEL SQUARE/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99XLED632
 Date:2018-03-15 08:33
 Humidity:65.0%
 Remarks:017V060A_4392

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3844$ $y=0.3805$ $u'=0.2262$ $v'=0.5038$
 CCT=3921K(Duv=0.0006) Dominant WL:Ld =579.1nm Purity=29.6%
 Ratio:R=18.5% G=78.2% B=3.3%;;Peak WL:Lp=595.8nm FWHM=152.7nm
 Render Index:Ra=83.0
 R1 =81 R2 =87 R3 =93 R4 =84 R5 =82 R6 =84 R7 =86
 R8 =66 R9 =11 R10=71 R11=84 R12=70 R13=82 R14=96 R15=75

Photo Parameters:

Flux = 811.6 lm Eff. : 63.56 lm/W Fe = 2.484 W

Electrical parameters:

V = 229.85 V I = 0.1099 A P = 12.77 W PF = 0.5055

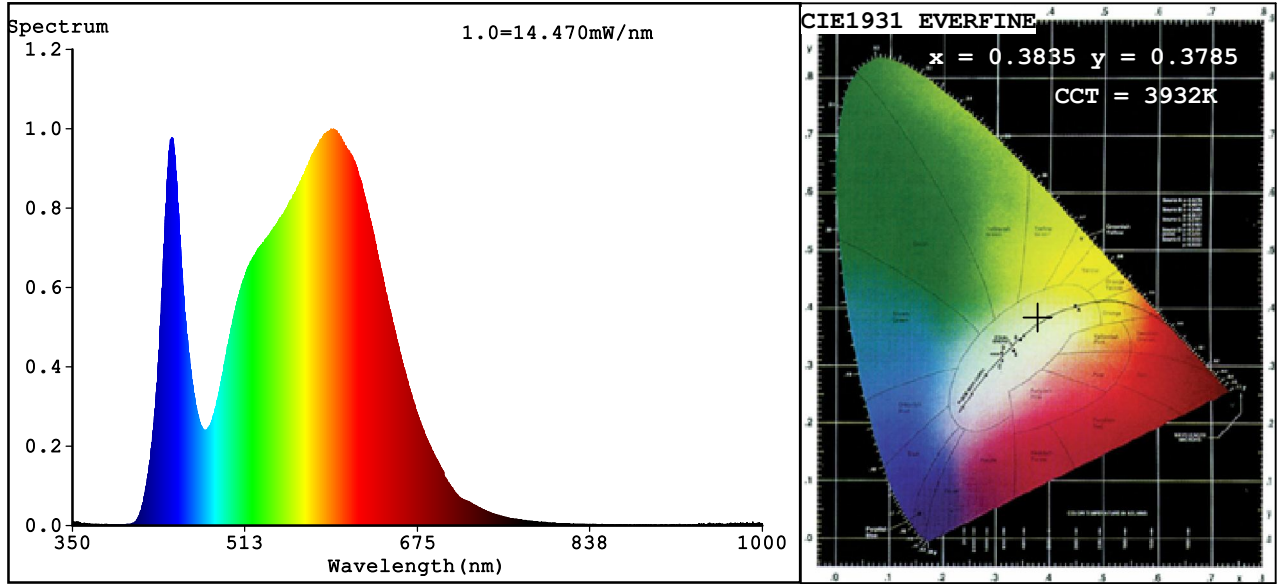
WHITE:ANSI_4000K

Status: Integral T = 52 ms Ip = 37261 (57%)

Model:LED PANEL SQUARE/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99XLED632
 Date:2018-03-15 08:37
 Humidity:65.0%
 Remarks:017V060A_4392

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3835$ $y=0.3785$ $u'=0.2264$ $v'=0.5028$
 CCT=3932K(Duv=-0.0001) Dominant WL:Ld =579.4nm Purity=28.7%
 Ratio:R=18.6% G=78.1% B=3.3%;;Peak WL:Lp=595.8nm FWHM=153.0nm
 Render Index:Ra=83.3
 R1 =82 R2 =88 R3 =93 R4 =84 R5 =83 R6 =84 R7 =86
 R8 =67 R9 =12 R10=72 R11=85 R12=70 R13=83 R14=96 R15=76

Photo Parameters:

Flux = 830.7 lm Eff. : 64.76 lm/W Fe = 2.553 W

Electrical parameters:

V = 229.87 V I = 0.1093 A P = 12.83 W PF = 0.5105

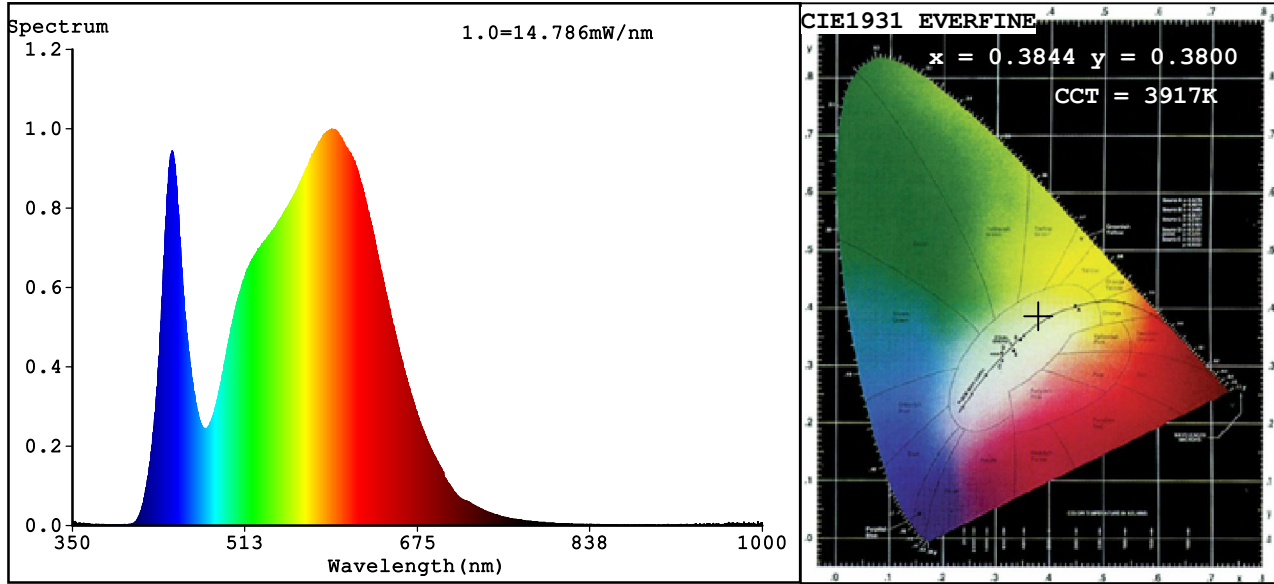
WHITE:ANSI_4000K

Status: Integral T = 52 ms Ip = 38118 (58%)

Model:LED PANEL SQUARE/12W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99XLED632
 Date:2018-03-15 08:49
 Humidity:65.0%
 Remarks:017V060A_4392

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3844$ $y=0.3800$ $u'=0.2264$ $v'=0.5036$

CCT=3917K (Duv=0.0004) Dominant WL:Ld =579.2nm Purity=29.4%

Ratio:R=18.6% G=78.1% B=3.3%;; Peak WL:Lp=594.2nm FWHM=153.0nm

Render Index:Ra=83.3

R1 =82	R2 =88	R3 =93	R4 =84	R5 =82	R6 =84	R7 =86	
R8 =66	R9 =12	R10=72	R11=84	R12=70	R13=83	R14=96	R15=75

Photo Parameters:

Flux = 848.6 lm Eff. : 65.77 lm/W Fe = 2.601 W

Electrical parameters:

V = 229.85 V I = 0.1112 A P = 12.90 W PF = 0.5050

WHITE:ANSI_4000K

Status: Integral T = 52 ms Ip = 39000 (60%)

Model:LED PANEL SQUARE/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED632
Date:2018-03-15 08:55
Humidity:65.0%
Remarks:017V060A_4392