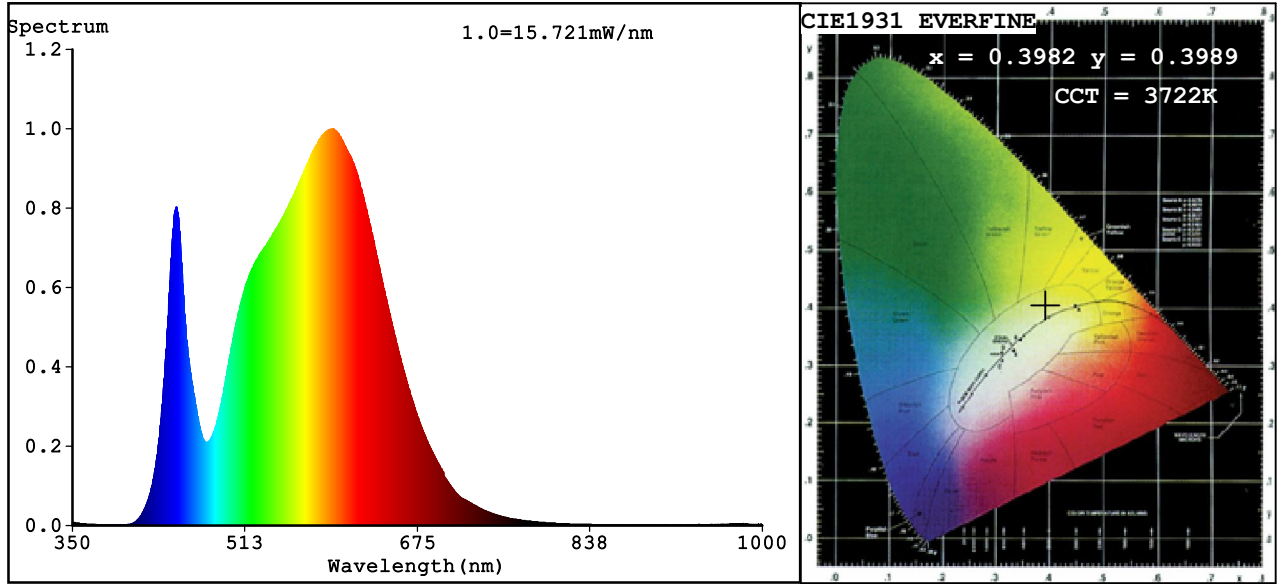


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3982$ $y=0.3989$ $u'=0.2279$ $v'=0.5136$

CCT=3722K (Duv=0.0052) Dominant WL:Ld =577.9nm Purity=39.2%

Ratio:R=18.6% G=78.4% B=2.9%;; Peak WL:Lp=594.8nm FWHM=148.5nm

Render Index:Ra=80.9

R1 =78	R2 =86	R3 =94	R4 =81	R5 =78	R6 =82	R7 =86	
R8 =62	R9 =0	R10=68	R11=80	R12=61	R13=80	R14=97	R15=71

Photo Parameters:

Flux = 891.2 lm Eff. : 70.94 lm/W Fe = 2.629 W

Electrical parameters:

V = 229.87 V I = 0.1070 A P = 12.56 W PF = 0.5105

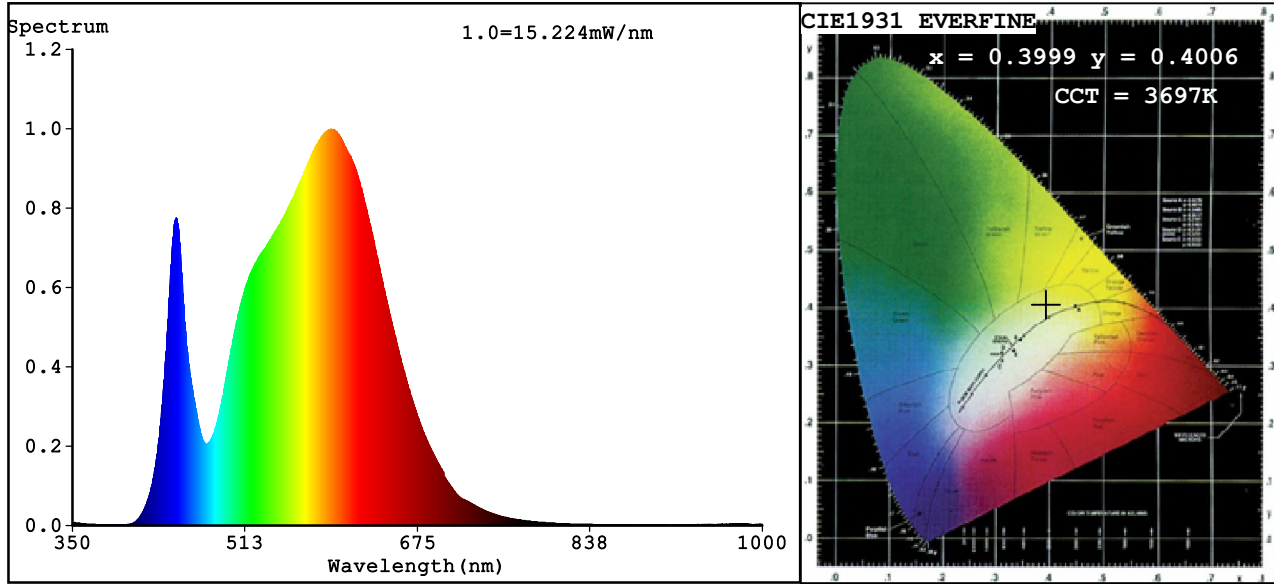
WHITE:ANSI_4000K

Status: Integral T = 51 ms Ip = 51227 (78%)

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

Number:99LED967
Date:2018-08-21 09:20
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3999$ $y=0.4006$ / $u'=0.2283$ $v'=0.5145$
CCT=3697K (Duv=0.0055) Dominant WL:Ld =577.9nm Purity=40.2%
Ratio:R=18.7% G=78.4% B=2.9%;; Peak WL:Lp=593.8nm FWHM=148.4nm
Render Index:Ra=80.8
R1 =78 R2 =86 R3 =94 R4 =81 R5 =78 R6 =82 R7 =86
R8 =61 R9 =0 R10=68 R11=80 R12=61 R13=79 R14=97 R15=70

Photo Parameters:

Flux = 859.8 lm Eff. : 69.21 lm/W Fe = 2.530 W

Electrical parameters:

V = 229.88 V I = 0.1062 A P = 12.42 W PF = 0.5088

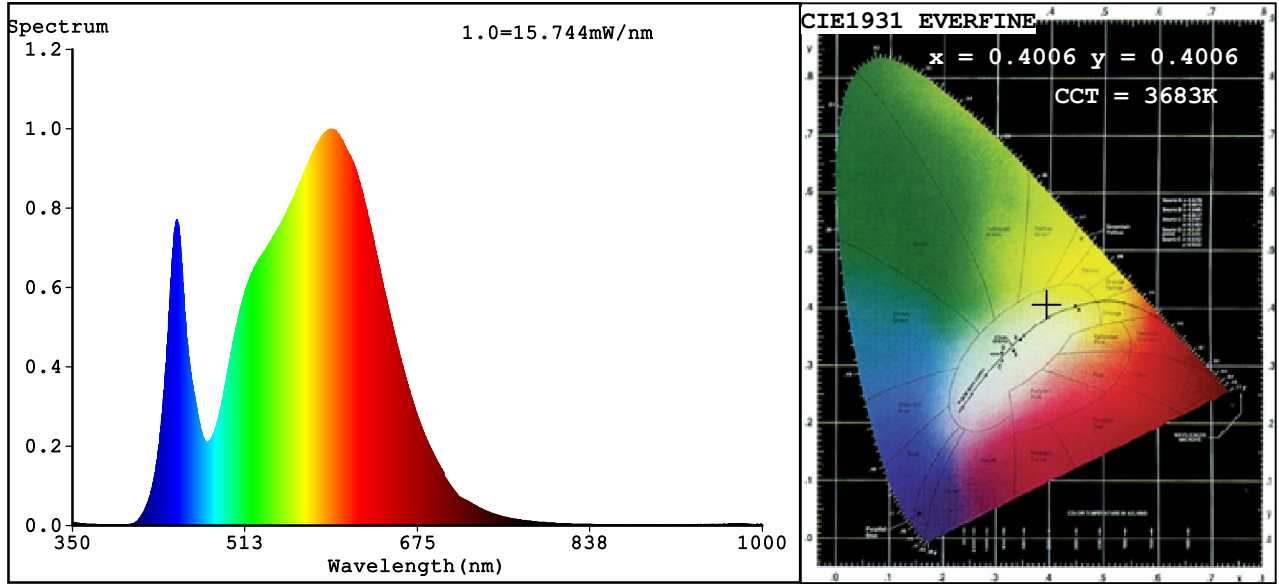
WHITE:ANSI_3500K

Status: Integral T = 51 ms Ip = 49548 (76%)

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

Number:99LED967
Date:2018-08-21 09:23
Humidity:65.0%
Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4006$ $y=0.4006/u'=0.2287$ $v'=0.5146$

CCT=3683K(Duv=0.0054) Dominant WL:Ld =578.0nm Purity=40.5%

Ratio:R=18.8% G=78.4% B=2.9%;;Peak WL:Lp=593.8nm FWHM=147.9nm

Render Index:Ra=80.8

R1 =78	R2 =86	R3 =94	R4 =81	R5 =78	R6 =82	R7 =86	
R8 =61	R9 =0	R10=68	R11=80	R12=61	R13=79	R14=97	R15=70

Photo Parameters:

Flux = 886.5 lm Eff. : 70.39 lm/W Fe = 2.608 W

Electrical parameters:

V = 229.88 V I = 0.1074 A P = 12.59 W PF = 0.5103

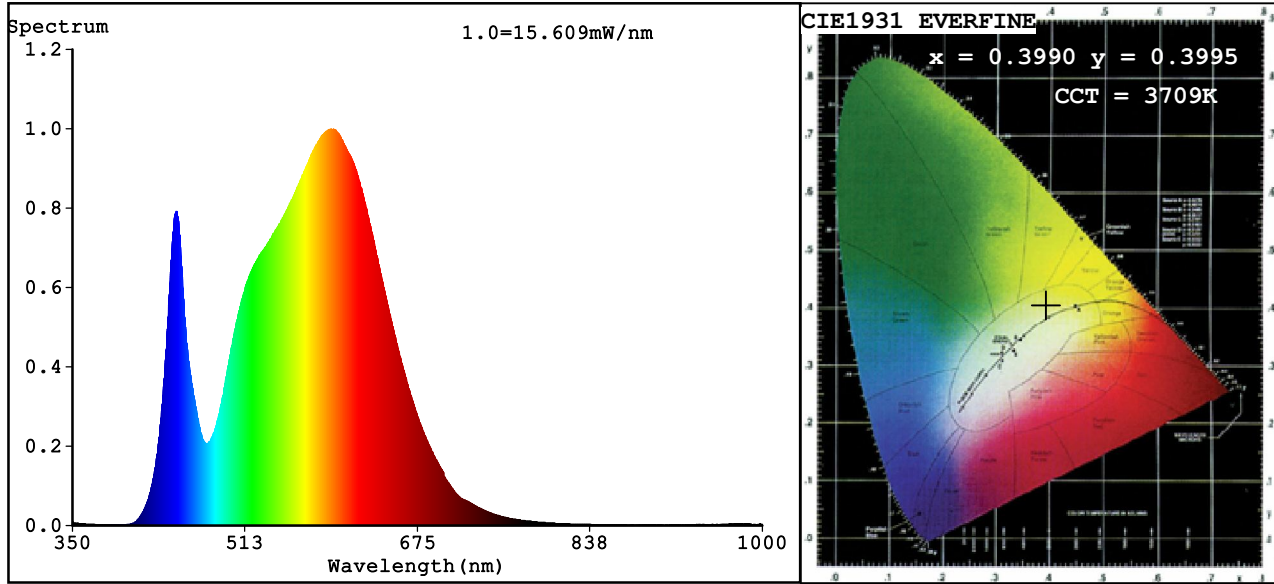
WHITE:ANSI_3500K

Status: Integral T = 51 ms Ip = 51223 (78%)

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

Number:99LED967
Date:2018-08-21 09:25
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3990$ $y=0.3995$ / $u'=0.2281$ $v'=0.5139$
 CCT=3709K (Duv=0.0053) Dominant WL:Ld =578.0nm Purity=39.7%
 Ratio:R=18.7% G=78.4% B=2.9%;; Peak WL:Lp=593.8nm FWHM=148.5nm
 Render Index:Ra=80.8
 R1 =78 R2 =86 R3 =94 R4 =81 R5 =78 R6 =82 R7 =86
 R8 =62 R9 =0 R10=68 R11=80 R12=61 R13=79 R14=97 R15=71

Photo Parameters:

Flux = 883.5 lm Eff. : 70.19 lm/W Fe = 2.603 W

Electrical parameters:

V = 229.91 V I = 0.1076 A P = 12.59 W PF = 0.5088

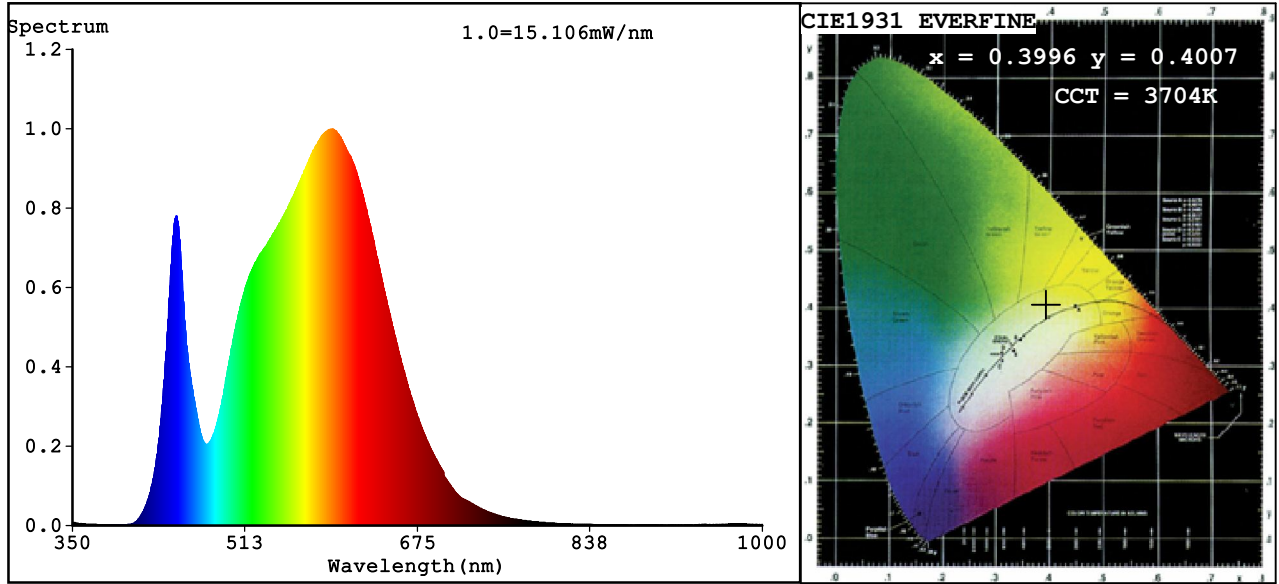
WHITE:ANSI_3500K

Status: Integral T = 51 ms Ip = 50852 (78%)

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

Number:99LED967
 Date:2018-08-21 09:27
 Humidity:65.0%
 Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3996$ $y=0.4007$ / $u'=0.2281$ $v'=0.5145$

CCT=3704K (Duv=0.0056) Dominant WL:Ld =577.9nm Purity=40.2%

Ratio:R=18.7% G=78.5% B=2.9%;; Peak WL:Lp=593.8nm FWHM=148.3nm

Render Index:Ra=80.7

R1 =78 R2 =86 R3 =94 R4 =81 R5 =78 R6 =81 R7 =86

R8 =61 R9 =0 R10=67 R11=80 R12=61 R13=79 R14=97 R15=70

Photo Parameters:

Flux = 855.0 lm Eff. : 67.89 lm/W Fe = 2.515 W

Electrical parameters:

V = 229.92 V I = 0.1068 A P = 12.59 W PF = 0.5127

WHITE:ANSI_3500K

Status: Integral T = 51 ms Ip = 49252 (75%)

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

Number:99LED967
Date:2018-08-21 09:28
Humidity:65.0%
Remarks:O18V019A_4809