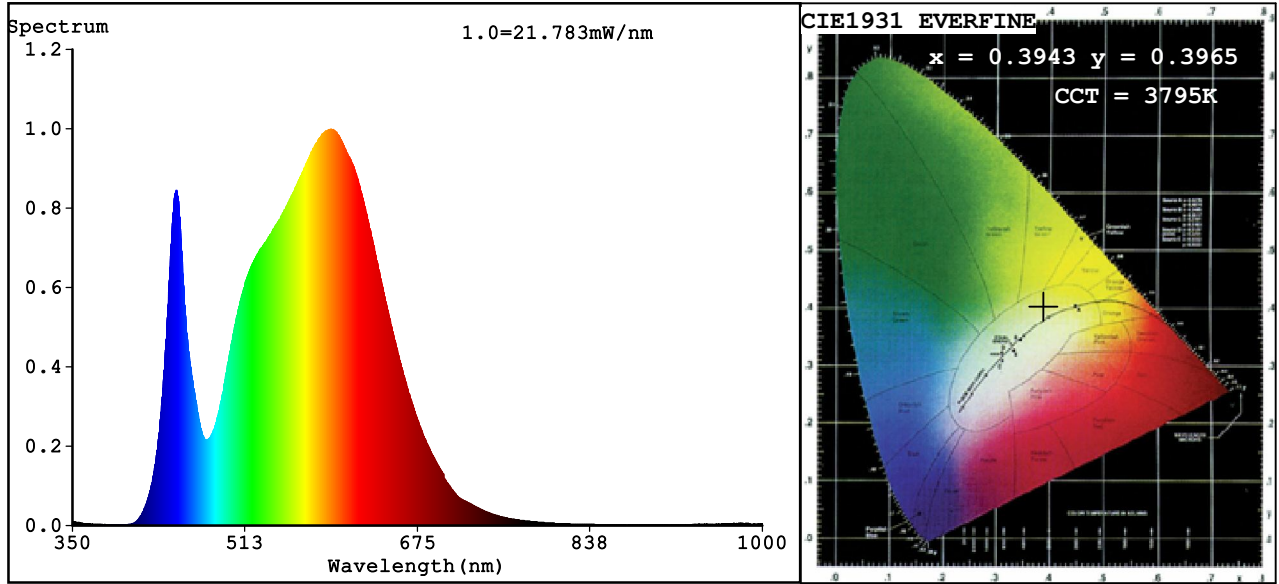


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3943$ $y=0.3965$ $u'=0.2263$ $v'=0.5120$
 CCT=3795K(Duv=0.0052) Dominant WL:Ld =577.6nm Purity=37.4%
 Ratio:R=18.3% G=78.7% B=3.0%;;Peak WL:Lp=593.8nm FWHM=147.9nm
 Render Index:Ra=80.6
 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=96 R15=70

Photo Parameters:

Flux = 1242 lm Eff. : 66.24 lm/W Fe = 3.662 W

Electrical parameters:

V = 229.97 V I = 0.1565 A P = 18.75 W PF = 0.5210

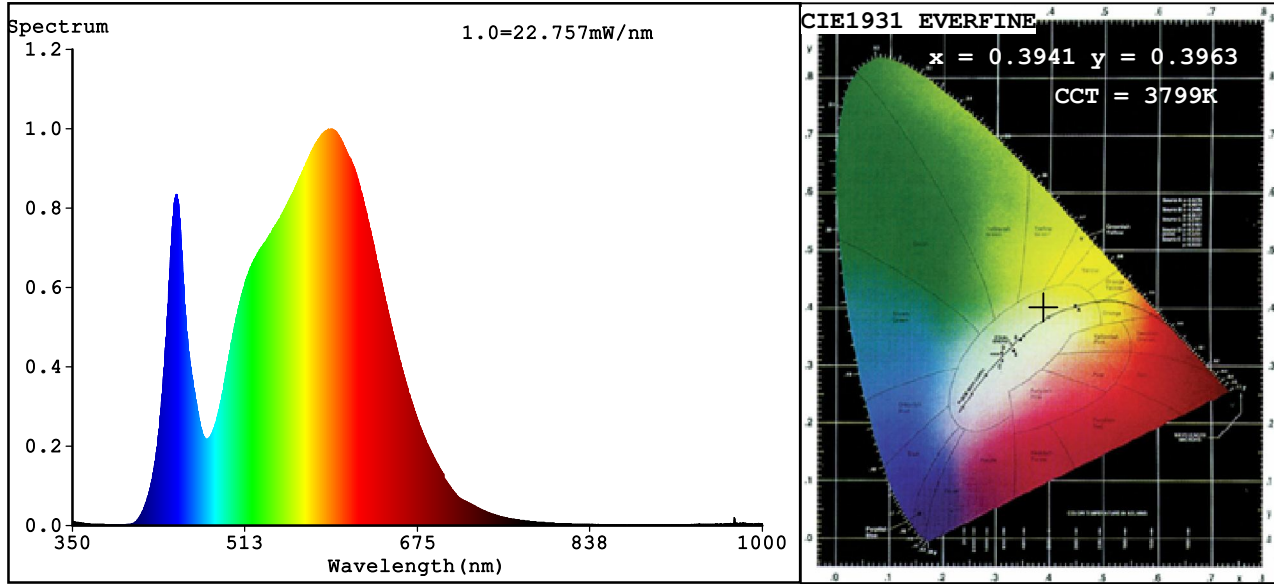
WHITE:ANSI_4000K

Status: Integral T = 24 ms Ip = 33485 (51%)

Model:LED PANEL SQUARE/18W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED968
 Date:2018-08-17 13:02
 Humidity:65.0%
 Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3941$ $y=0.3963$ $u'=0.2262$ $v'=0.5119$

CCT=3799K(Duv=0.0051) Dominant WL:Ld =577.6nm Purity=37.2%

Ratio:R=18.3% G=78.7% B=3.0%;; Peak WL:Lp=593.8nm FWHM=148.1nm

Render Index:Ra=80.7

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

R8 =62 R9 =0 R10=67 R11=80 R12=61 R13=79 R14=97 R15=70

Photo Parameters:

Flux = 1300 lm Eff. : 69.61 lm/W Fe = 3.836 W

Electrical parameters:

V = 229.95 V I = 0.1552 A P = 18.67 W PF = 0.5232

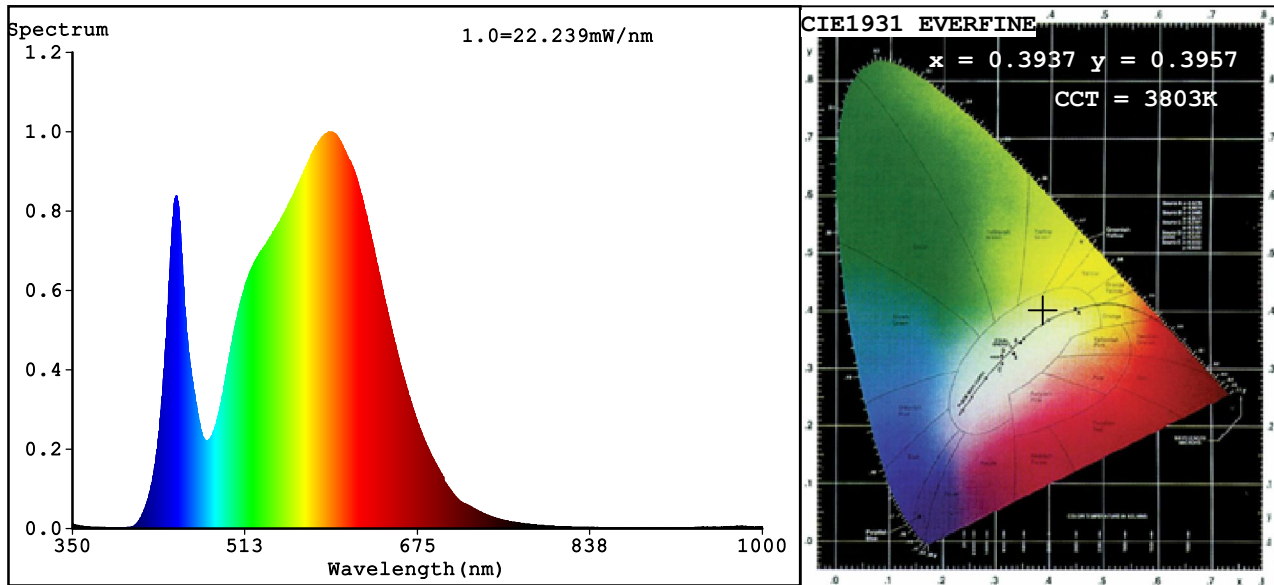
WHITE:ANSI_4000K

Status: Integral T = 24 ms Ip = 35017 (53%)

Model:LED PANEL SQUARE/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED968
Date:2018-08-17 13:06
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3937$ $y=0.3957$ $u'=0.2263$ $v'=0.5116$

CCT=3803K(Duv=0.0049) Dominant WL:Ld =577.7nm Purity=36.9%

Ratio:R=18.3% G=78.7% B=3.0%;;Peak WL:Lp=593.8nm FWHM=148.2nm

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 = 1270 lm Eff. : 65.87 lm/W Fe = 3.755 W

Electrical parameters:

V = 229.96 V I = 0.1597 A P = 19.28 W PF = 0.5252

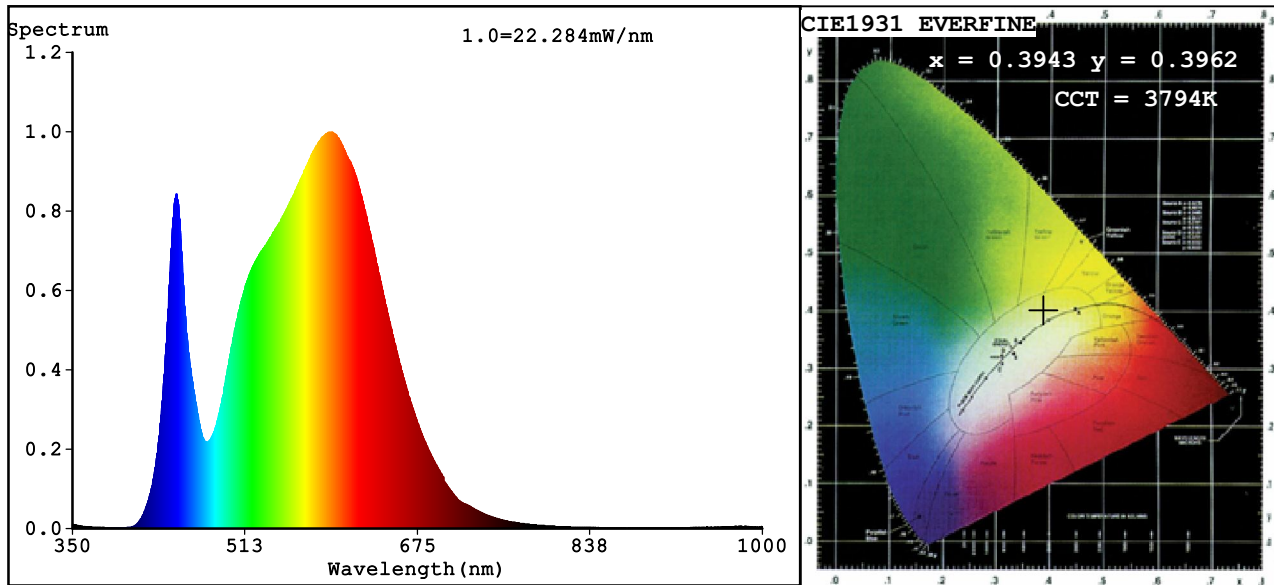
WHITE:ANSI_4000K

Status: Integral T = 24 ms Ip = 34182 (52%)

Model:LED PANEL SQUARE/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED968
Date:2018-08-17 13:09
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3943$ $y=0.3962$ $u'=0.2264$ $v'=0.5119$
CCT=3794K(Duv=0.0051) Dominant WL:Ld =577.7nm Purity=37.3%
Ratio:R=18.3% G=78.7% B=3.0%;;Peak WL:Lp=593.8nm FWHM=147.9nm
Render Index:Ra=80.7

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

Photo Parameters:

Flux = 1271 lm Eff. : 67.17 lm/W Fe = 3.750 W

Electrical parameters:

V = 229.96 V I = 0.1573 A P = 18.92 W PF = 0.5232

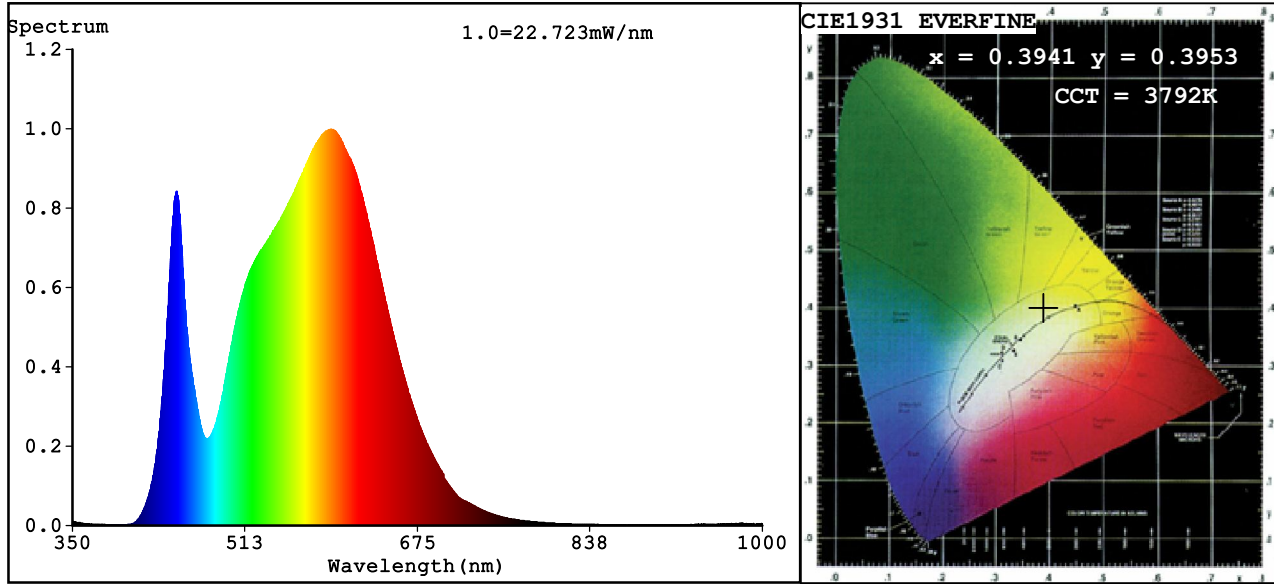
WHITE:ANSI_4000K

Status: Integral T = 24 ms Ip = 34240 (52%)

Model:LED PANEL SQUARE/18W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED968
Date:2018-08-17 13:13
Humidity:65.0%
Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3941$ $y=0.3953$ / $u'=0.2266$ $v'=0.5115$
 CCT=3792K (Duv=0.0047) Dominant WL:Ld =577.8nm Purity=36.9%
 Ratio:R=18.4% G=78.6% B=3.0%;; Peak WL:Lp=593.8nm FWHM=147.7nm
 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=71

Photo Parameters:

Flux = 1293 lm Eff. : 67.44 lm/W Fe = 3.821 W

Electrical parameters:

V = 229.95 V I = 0.1587 A P = 19.17 W PF = 0.5251

WHITE:ANSI_4000K

Status: Integral T = 24 ms Ip = 34876 (53%)

Model:LED PANEL SQUARE/18W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED968
 Date:2018-08-17 13:15
 Humidity:65.0%
 Remarks:018V019A_4809