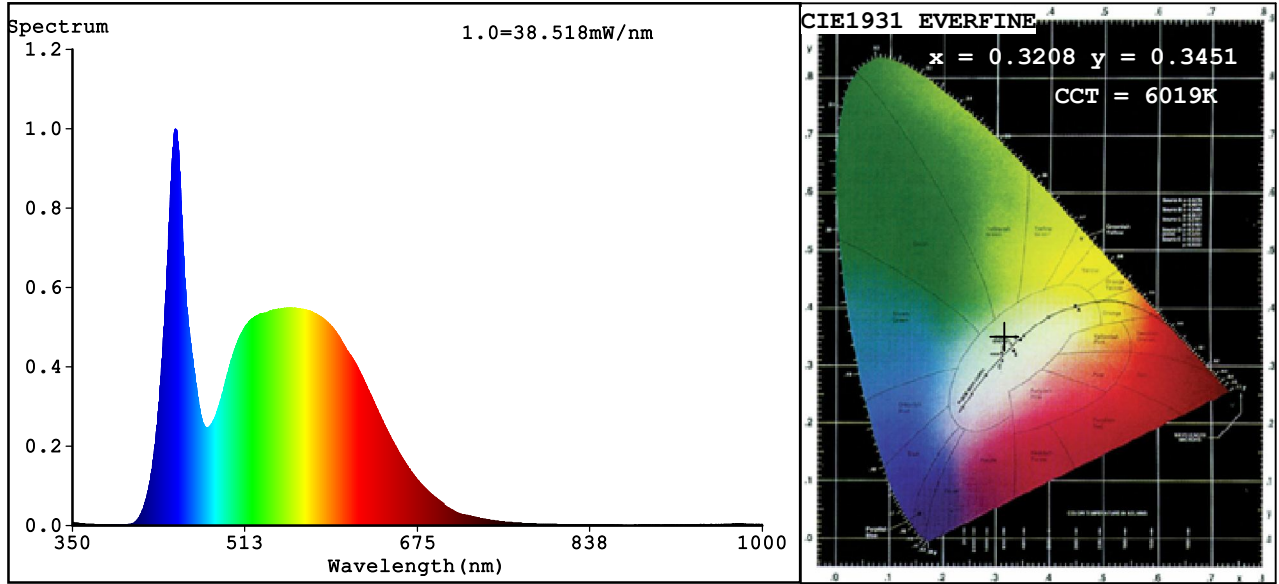


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3208$ $y=0.3451$ $u'=0.1974$ $v'=0.4779$
 CCT=6019K(Duv=0.0074) Dominant WL:Ld =504.5nm Purity=3.8%
 Ratio:R=13.5% G=81.5% B=5.0%;;Peak WL:Lp=446.9nm FWHM=23.1nm
 Render Index:Ra=81.6
 R1 =79 R2 =85 R3 =90 R4 =83 R5 =81 R6 =81 R7 =87
 R8 =68 R9 =0 R10=65 R11=82 R12=63 R13=80 R14=95 R15=73

Photo Parameters:

Flux = 1381 lm Eff. : 72.15 lm/W Fe = 4.377 W

Electrical parameters:

V = 229.91 V I = 0.1600 A P = 19.14 W PF = 0.5205

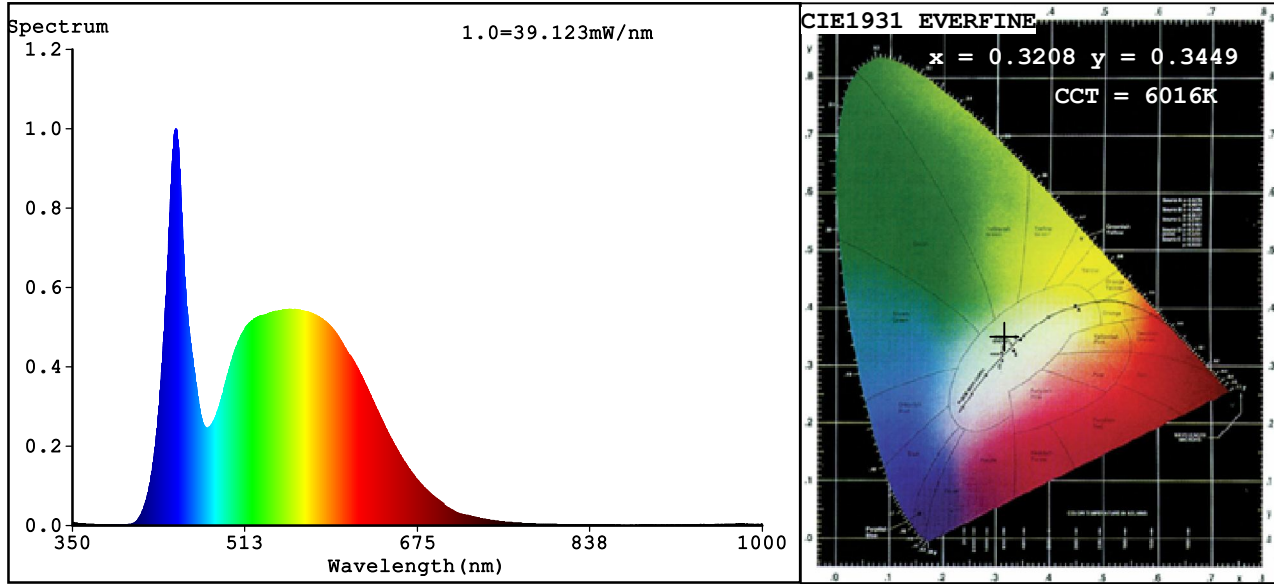
WHITE:ANSI_5700K

Status: Integral T = 24 ms Ip = 50760 (77%)

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

Number:99LED968CW
 Date:2018-08-17 09:41
 Humidity:65.0%
 Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3208$ $y=0.3449$ $u'=0.1975$ $v'=0.4778$

CCT=6016K(Duv=0.0073) Dominant WL:Ld =504.3nm Purity=3.8%

Ratio:R=13.5% G=81.5% B=5.1%;;Peak WL:Lp=446.9nm FWHM=22.9nm

Render Index:Ra=81.7

R1 =79 R2 =85 R3 =90 R4 =83 R5 =81 R6 =81 R7 =87

R8 =68 R9 =1 R10=65 R11=83 R12=63 R13=80 R14=95 R15=73

Photo Parameters:

Flux = 1393 lm Eff. : 71.28 lm/W Fe = 4.417 W

Electrical parameters:

V = 229.98 V I = 0.1620 A P = 19.55 W PF = 0.5246

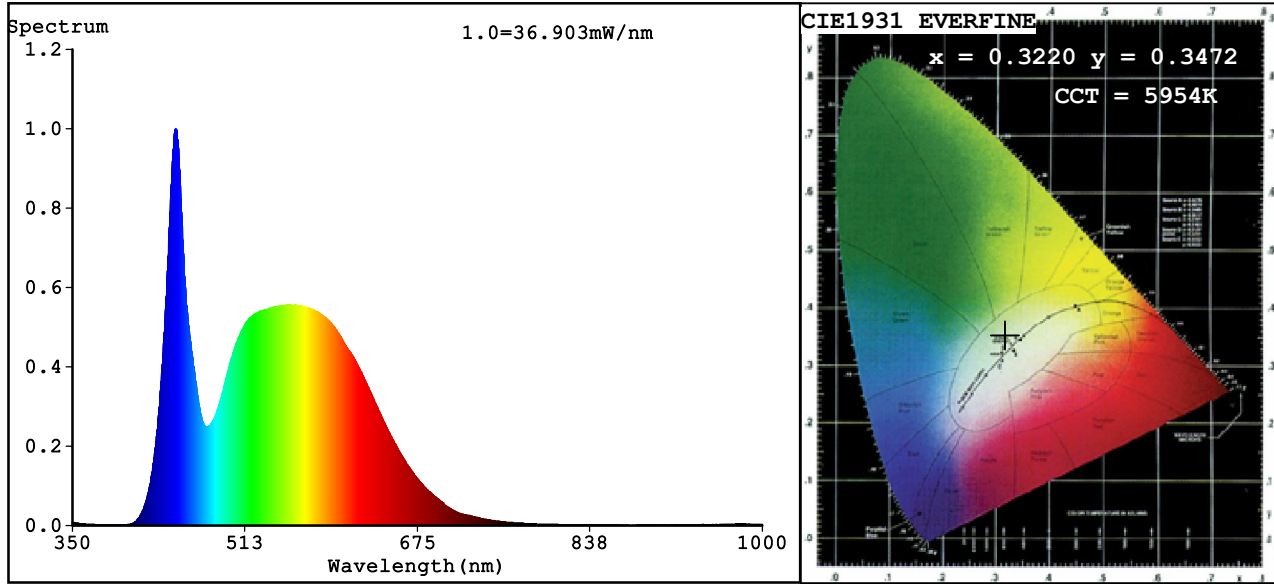
WHITE:ANSI_5700K

Status: Integral T = 24 ms Ip = 51640 (79%)

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

Number:99LED968CW
Date:2018-08-17 09:49
Humidity:65.0%
Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3220$ $y=0.3472$ $u'=0.1975$ $v'=0.4791$

CCT=5954K(Duv=0.0078) Dominant WL:Ld =508.9nm Purity=3.5%

Ratio:R=13.5% G=81.5% B=5.0%;;Peak WL:Lp=446.9nm FWHM=22.9nm

Render Index:Ra=81.6

R1 =79 R2 =85 R3 =90 R4 =82 R5 =81 R6 =81 R7 =87

R8 =68 R9 =0 R10=65 R11=82 R12=63 R13=80 R14=95 R15=72

Photo Parameters:

Flux = 1342 lm Eff. : 70.71 lm/W Fe = 4.239 W

Electrical parameters:

V = 229.94 V I = 0.1575 A P = 18.98 W PF = 0.5241

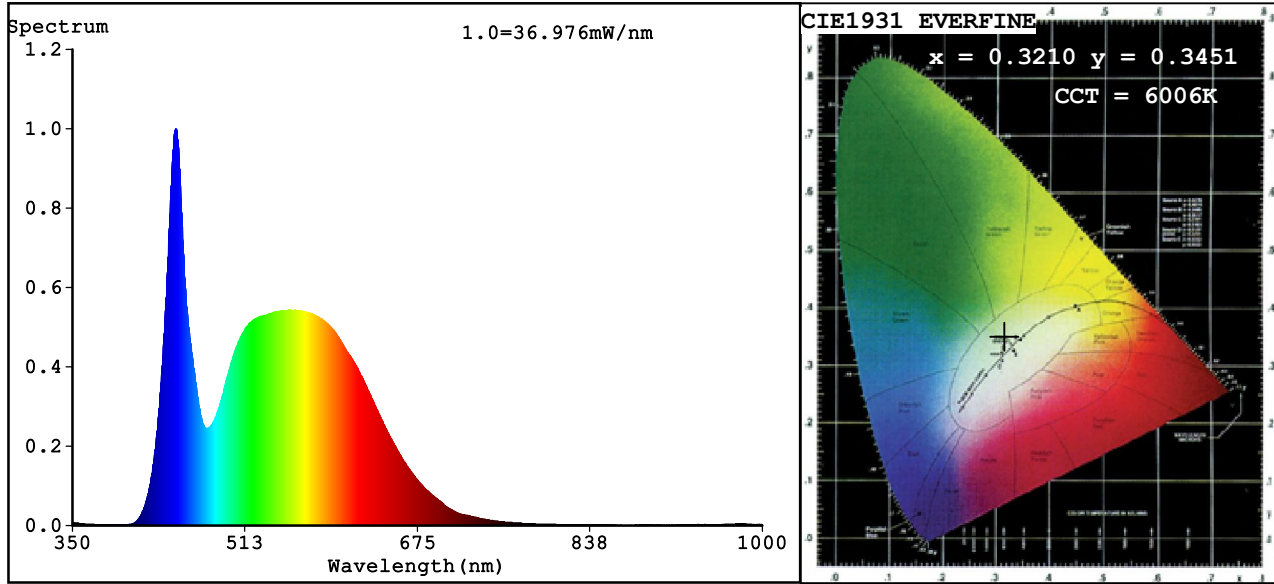
WHITE:ANSI_5700K

Status: Integral T = 24 ms Ip = 48704 (74%)

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

Number:99LED968CW
Date:2018-08-17 10:25
Humidity:65.0%
Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3210$ $y=0.3451$ $u'=0.1976$ $v'=0.4779$
CCT=6006K(Duv=0.0073) Dominant WL:Ld =504.7nm Purity=3.7%
Ratio:R=13.5% G=81.5% B=5.0%;;Peak WL:Lp=446.9nm FWHM=22.7nm
Render Index:Ra=81.8
R1 =79 R2 =85 R3 =90 R4 =83 R5 =81 R6 =81 R7 =87
R8 =68 R9 =1 R10=65 R11=83 R12=63 R13=80 R14=95 R15=73

Photo Parameters:

Flux = 1314 lm Eff. : 69.20 lm/W Fe = 4.161 W

Electrical parameters:

V = 229.97 V I = 0.1576 A P = 18.98 W PF = 0.5236

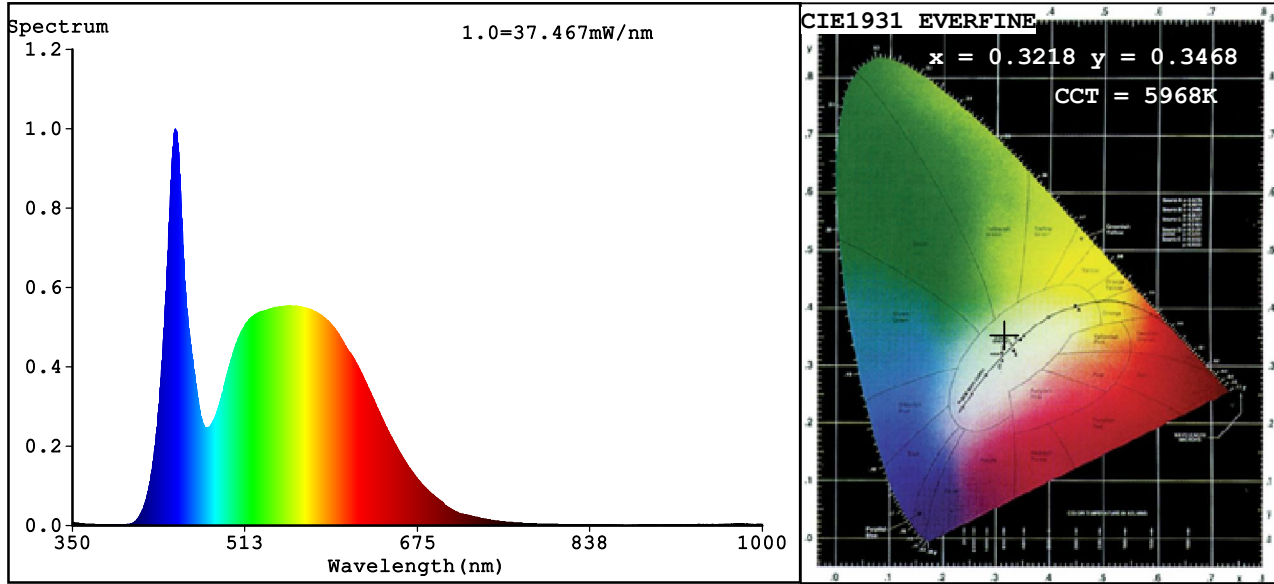
WHITE:ANSI_5700K

Status: Integral T = 24 ms Ip = 48798 (74%)

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

Number:99LED968CW
Date:2018-08-17 10:38
Humidity:65.0%
Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3218$ $y=0.3468$ $u'=0.1975$ $v'=0.4789$

CCT=5968K(Duv=0.0078) Dominant WL:Ld =507.9nm Purity=3.5%

Ratio:R=13.5% G=81.5% B=5.0%;;Peak WL:Lp=446.9nm FWHM=22.9nm

Render Index:Ra=81.5

R1 =79 R2 =84 R3 =90 R4 =82 R5 =81 R6 =81 R7 =87

R8 =68 R9 =0 R10=65 R11=82 R12=63 R13=80 R14=95 R15=72

Photo Parameters:

Flux = 1356 lm Eff. : 70.97 lm/W Fe = 4.285 W

Electrical parameters:

V = 229.96 V I = 0.1585 A P = 19.10 W PF = 0.5240

WHITE:ANSI_5700K

Status: Integral T = 24 ms Ip = 49330 (75%)

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

Number:99LED968CW
Date:2018-08-17 10:40
Humidity:65.0%
Remarks:O18V019A_4809