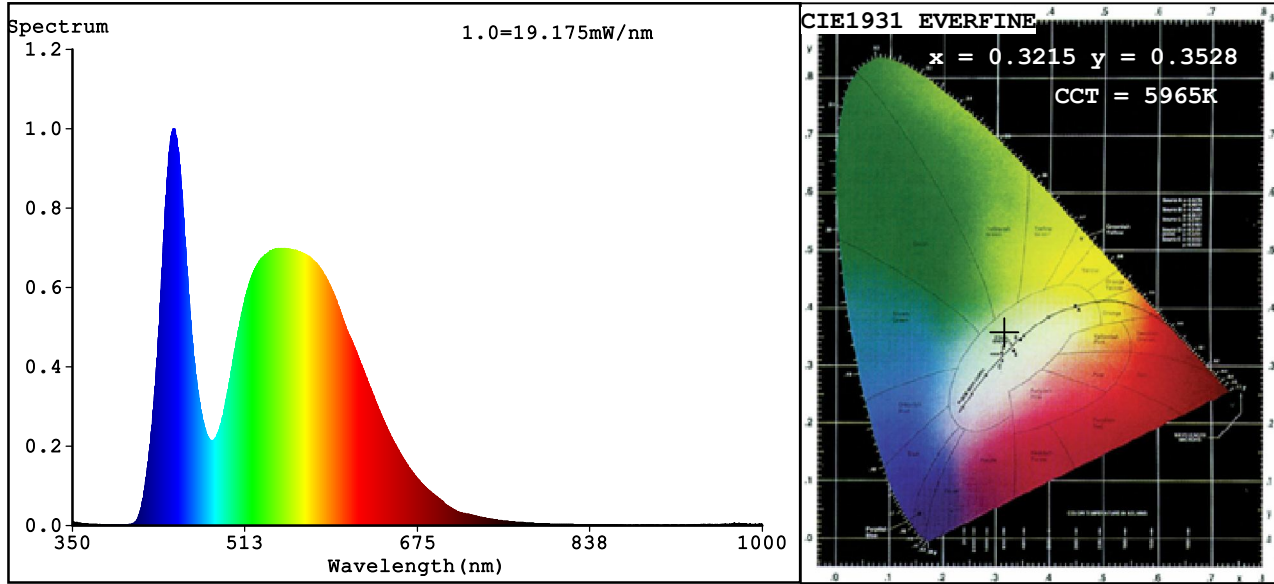


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3215$ $y=0.3528$ $u'=0.1951$ $v'=0.4818$

CCT=5965K(Duv=0.0108) Dominant WL:Ld =515.3nm Purity=4.1%

Ratio:R=12.2% G=83.7% B=4.0%;;Peak WL:Lp=445.1nm FWHM=30.3nm

Render Index:Ra=73.7

R1 =69 R2 =77 R3 =84 R4 =75 R5 =72 R6 =71 R7 =83

R8 =59 R9 =0 R10=47 R11=73 R12=52 R13=70 R14=91 R15=62

Photo Parameters:

Flux = 828.0 lm Eff. : 66.99 lm/W Fe = 2.519 W

Electrical parameters:

V = 230.03 V I = 0.1081 A P = 12.36 W PF = 0.4973

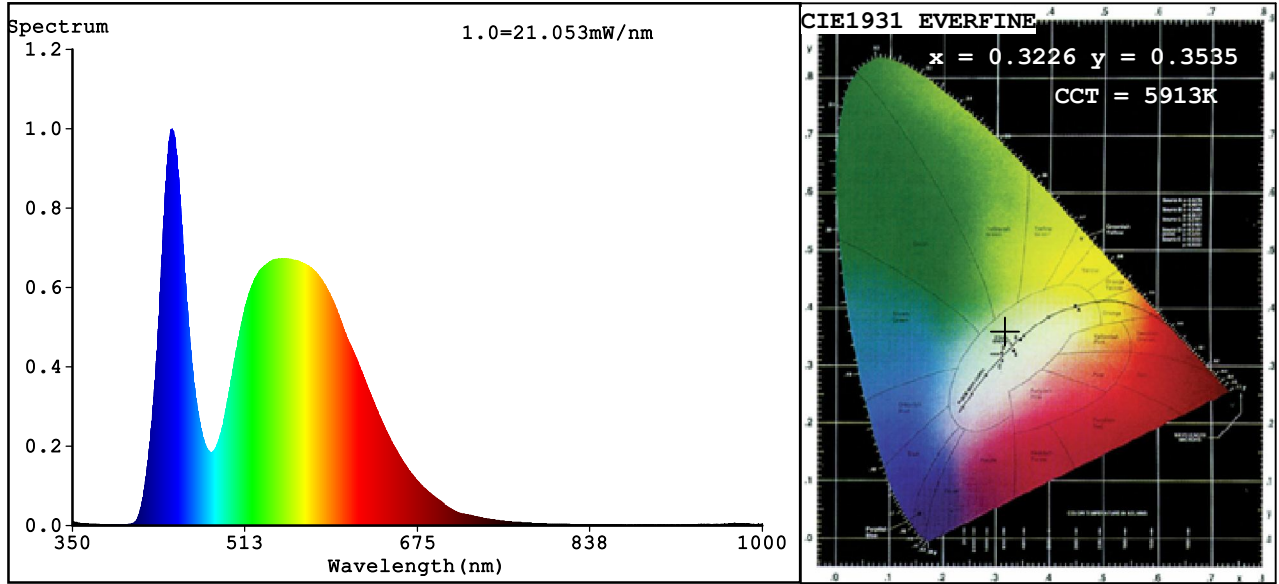
WHITE:OUT

Status: Integral T = 32 ms Ip = 33441 (51%)

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

Number:99XLED632CW
Date:2018-07-16 13:03
Humidity:65.0%
Remarks:017V077A_4536

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3226$ $y=0.3535$ $u'=0.1956$ $v'=0.4823$
 CCT=5913K(Duv=0.0106) Dominant WL:Ld =519.3nm Purity=4.0%
 Ratio:R=12.2% G=84.0% B=3.8%;;Peak WL:Lp=443.8nm FWHM=28.4nm
 Render Index:Ra=72.7
 R1 =69 R2 =76 R3 =83 R4 =74 R5 =71 R6 =70 R7 =82
 R8 =58 R9 =0 R10=44 R11=73 R12=51 R13=69 R14=91 R15=61

Photo Parameters:

Flux = 871.6 lm Eff. : 66.25 lm/W Fe = 2.641 W

Electrical parameters:

V = 230.04 V I = 0.1130 A P = 13.16 W PF = 0.5062

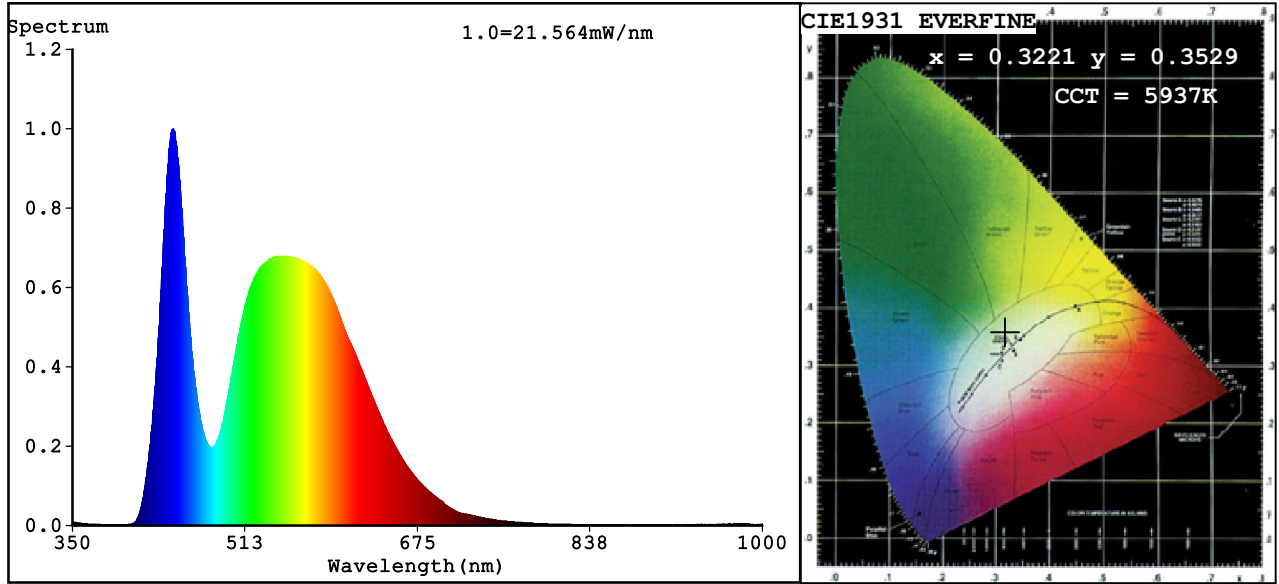
WHITE:OUT

Status: Integral T = 32 ms Ip = 36449 (56%)

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

Number:99XLED632CW
 Date:2018-07-16 13:07
 Humidity:65.0%
 Remarks:017V077A_4536

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3221$ $y=0.3529$ / $u'=0.1955$ $v'=0.4819$
 CCT=5937K (Duv=0.0105) Dominant WL:Ld =516.9nm Purity=4.0%
 Ratio:R=12.3% G=83.8% B=3.9%; Peak WL:Lp=445.1nm FWHM=29.0nm
 Render Index:Ra=73.4
 R1 =69 R2 =76 R3 =84 R4 =74 R5 =72 R6 =71 R7 =82
 R8 =59 R9 =0 R10=46 R11=73 R12=51 R13=70 R14=91 R15=62

Photo Parameters:

Flux = 903.8 lm Eff. : 68.92 lm/W Fe = 2.748 W

Electrical parameters:

V = 230.00 V I = 0.1129 A P = 13.11 W PF = 0.5051

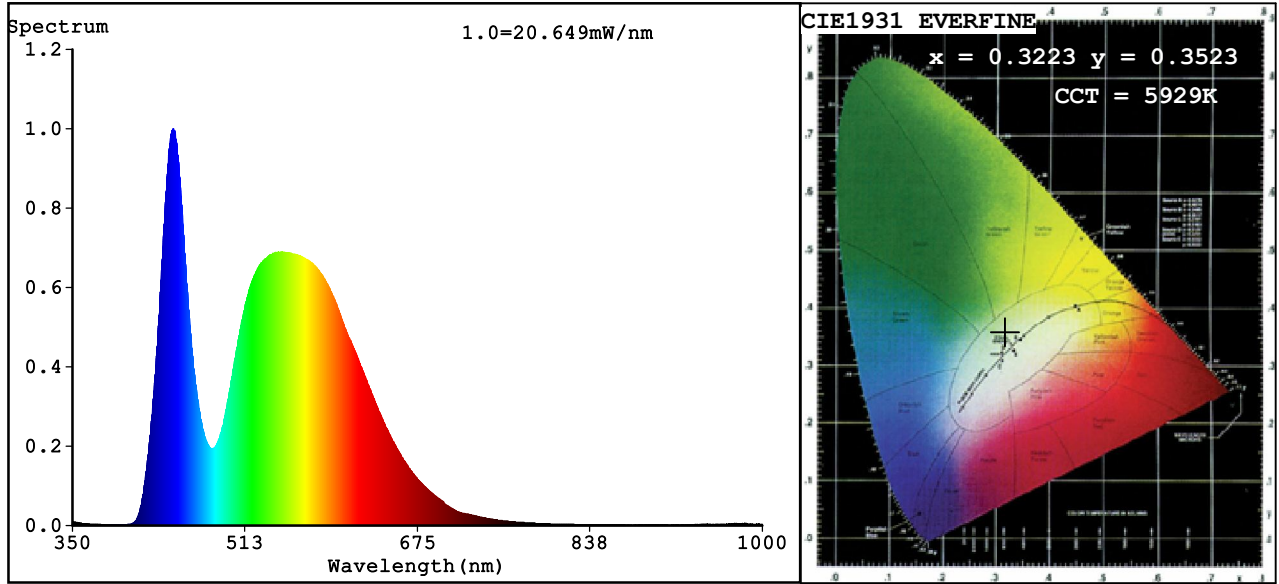
WHITE:OUT

Status: Integral T = 32 ms Ip = 37522 (57%)

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

Number:99XLED632CW
 Date:2018-07-16 13:11
 Humidity:65.0%
 Remarks:017V077A_4536

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3223$ $y=0.3523$ $u'=0.1958$ $v'=0.4817$

CCT=5929K (Duv=0.0102) Dominant WL:Ld =516.6nm Purity=3.9%

Ratio:R=12.3% G=83.9% B=3.9%;; Peak WL:Lp=444.9nm FWHM=29.9nm

Render Index:Ra=73.1

R1 =69 R2 =76 R3 =83 R4 =74 R5 =72 R6 =70 R7 =82

R8 =59 R9 =0 R10=45 R11=73 R12=51 R13=70 R14=91 R15=62

Photo Parameters:

Flux = 874.7 lm Eff. : 66.47 lm/W Fe = 2.663 W

Electrical parameters:

V = 230.01 V I = 0.1132 A P = 13.16 W PF = 0.5054

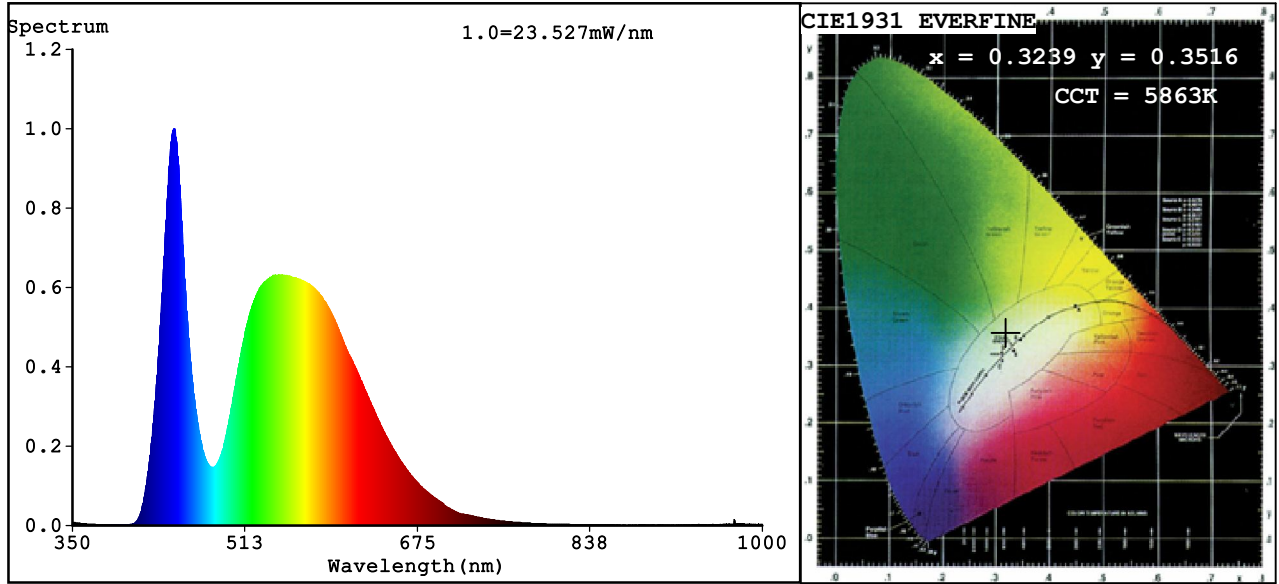
WHITE:OUT

Status: Integral T = 32 ms Ip = 35951 (55%)

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

Number:99XLED632CW
Date:2018-07-16 13:14
Humidity:65.0%
Remarks:017V077A_4536

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3239$ $y=0.3516$ $u'=0.1971$ $v'=0.4816$
 CCT=5863K(Duv=0.0092) Dominant WL:Ld =520.0nm Purity=3.7%
 Ratio:R=12.3% G=84.1% B=3.6%;;Peak WL:Lp=445.2nm FWHM=26.0nm
 Render Index:Ra=71.9
 R1 =68 R2 =75 R3 =81 R4 =73 R5 =71 R6 =68 R7 =81
 R8 =58 R9 =0 R10=41 R11=72 R12=47 R13=69 R14=89 R15=62

Photo Parameters:

Flux = 903.2 lm Eff. : 67.13 lm/W Fe = 2.732 W

Electrical parameters:

V = 230.03 V I = 0.1110 A P = 13.45 W PF = 0.5271

WHITE:OUT

Status: Integral T = 32 ms Ip = 41046 (63%)

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

Number:99XLED632CW
 Date:2018-07-16 13:16
 Humidity:65.0%
 Remarks:017V077A_4536