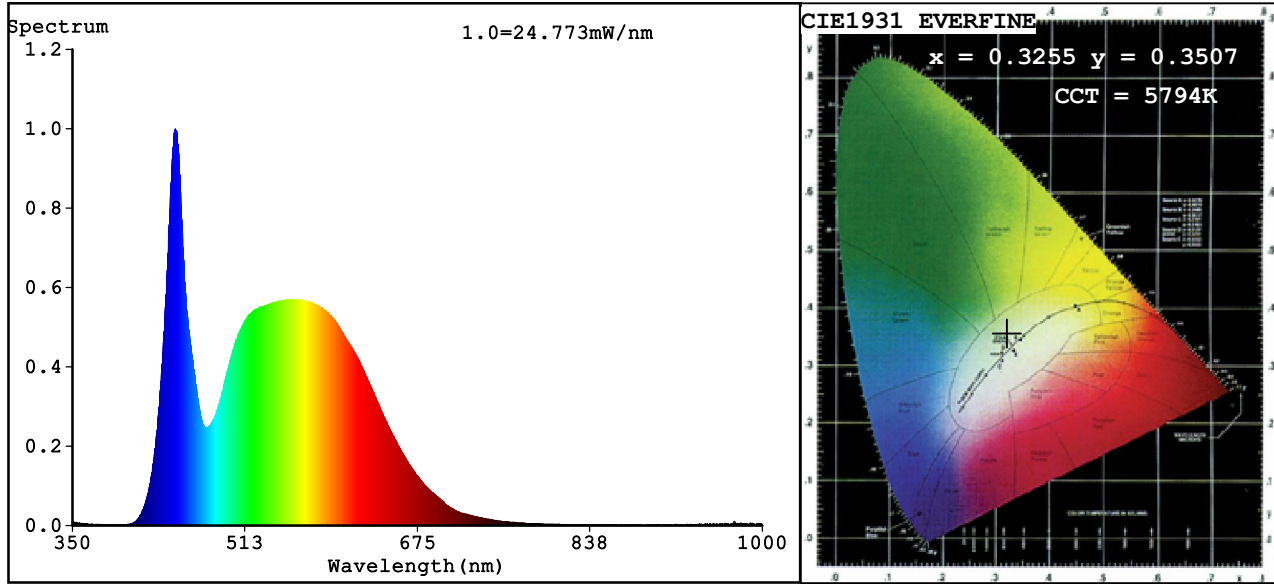


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3255$ $y=0.3507$ $u'=0.1986$ $v'=0.4813$
 CCT=5794K(Duv=0.0079) Dominant WL:Ld =524.6nm Purity=3.5%
 Ratio:R=13.7% G=81.4% B=4.9%;;Peak WL:Lp=446.9nm FWHM=22.6nm
 Render Index:Ra=81.6
 R1 =78 R2 =85 R3 =91 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 = 922.6 lm Eff. : 73.24 lm/W Fe = 2.899 W

Electrical parameters:

V = 229.96 V I = 0.1068 A P = 12.60 W PF = 0.5127

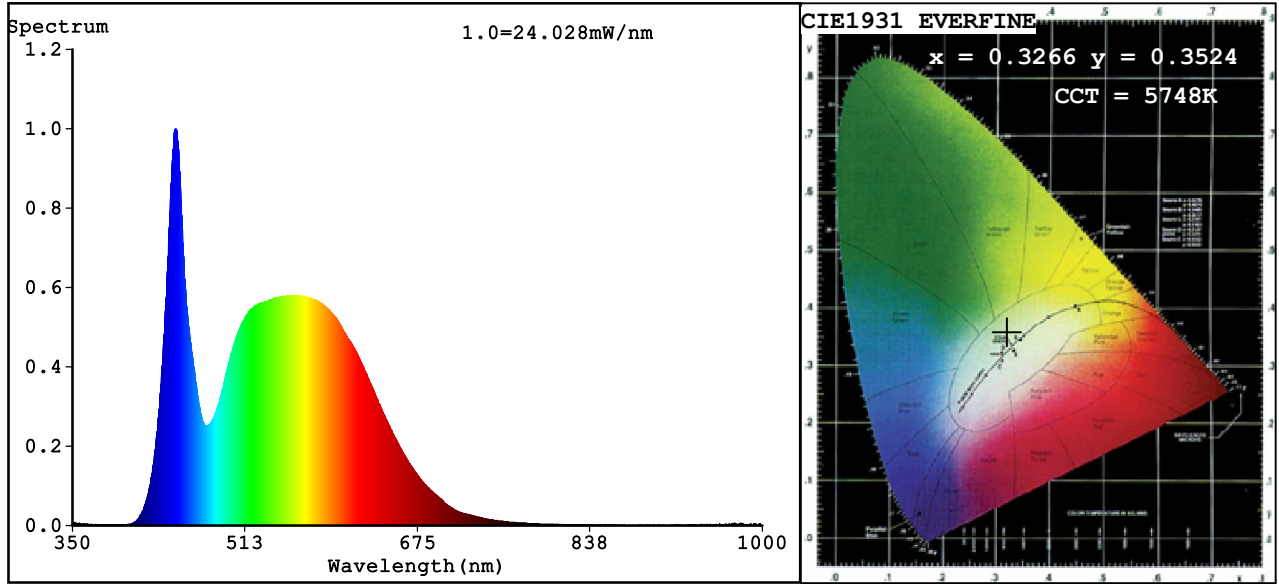
WHITE:OUT

Status: Integral T = 29 ms Ip = 39385 (60%)

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

Number:99LED967CW
 Date:2018-08-20 12:43
 Humidity:65.0%
 Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3266$ $y=0.3524$ $u'=0.1987$ $v'=0.4823$

CCT=5748K(Duv=0.0083) Dominant WL:Ld =531.7nm Purity=4.1%

Ratio:R=13.7% G=81.4% B=4.9%;;Peak WL:Lp=446.9nm FWHM=22.7nm

Render Index:Ra=81.5

R1 =78 R2 =85 R3 =91 R4 =82 R5 =80 R6 =81 R7 =87

R8 =67 R9 =0 R10=65 R11=82 R12=63 R13=79 R14=95 R15=72

Photo Parameters:

Flux = 911.6 lm Eff. : 71.44 lm/W Fe = 2.852 W

Electrical parameters:

V = 229.98 V I = 0.1067 A P = 12.76 W PF = 0.5202

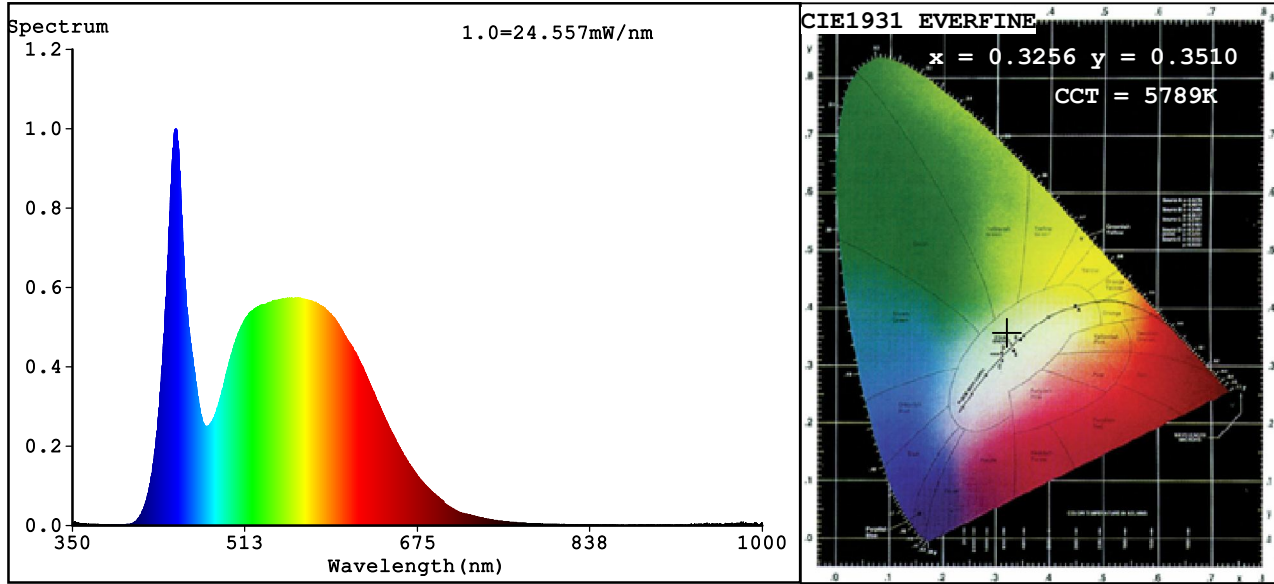
WHITE:OUT

Status: Integral T = 29 ms Ip = 38313 (58%)

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

Number:99LED967CW
Date:2018-08-20 12:46
Humidity:65.0%
Remarks:O18V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3256$ $y=0.3510$ $u'=0.1986$ $v'=0.4815$
 CCT=5789K(Duv=0.0080) Dominant WL:Ld =525.7nm Purity=3.6%
 Ratio:R=13.7% G=81.4% B=4.9%;;Peak WL:Lp=447.6nm FWHM=22.8nm
 Render Index:Ra=81.6
 R1 =78 R2 =85 R3 =91 R4 =82 R5 =80 R6 =81 R7 =87
 R8 =68 R9 =0 R10=65 R11=82 R12=63 R13=80 R14=95 R15=72

Photo Parameters:

Flux = 921.9 lm Eff. : 72.47 lm/W Fe = 2.897 W

Electrical parameters:

V = 229.98 V I = 0.1066 A P = 12.72 W PF = 0.5188

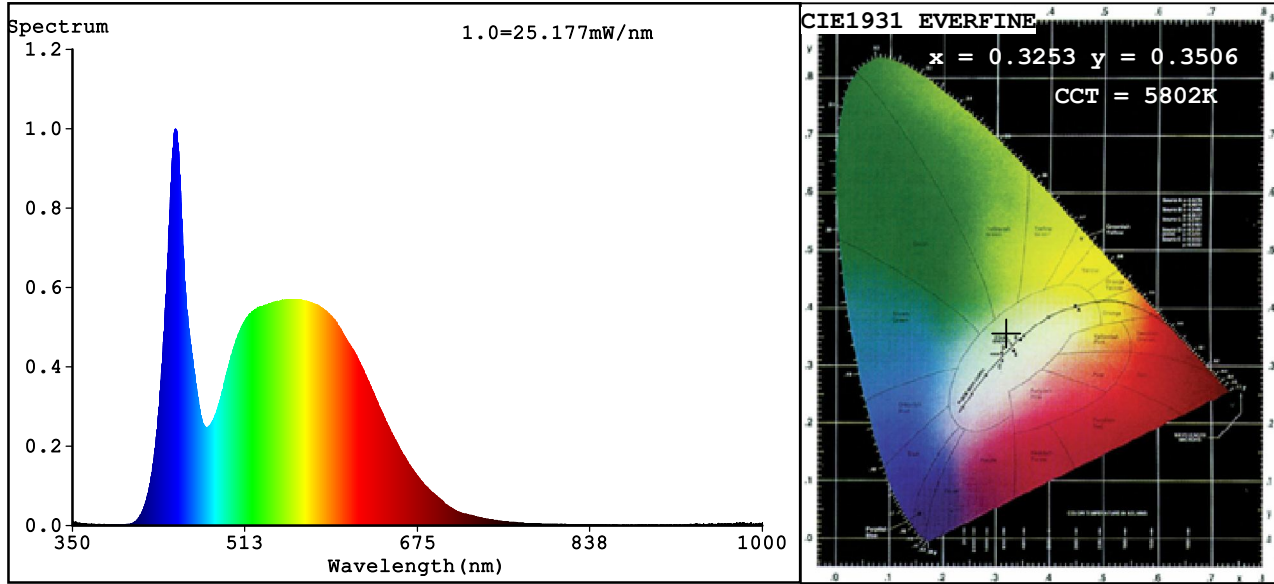
WHITE:OUT

Status: Integral T = 29 ms Ip = 39178 (60%)

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

Number:99LED967CW
 Date:2018-08-20 13:01
 Humidity:65.0%
 Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3253$ $y=0.3506$ $u'=0.1985$ $v'=0.4813$

CCT=5802K(Duv=0.0080) Dominant WL:Ld =523.6nm Purity=3.5%

Ratio:R=13.7% G=81.4% B=4.9%;;Peak WL:Lp=446.9nm FWHM=22.6nm

Render Index:Ra=81.5

R1 =78 R2 =85 R3 =91 R4 =82 R5 =80 R6 =81 R7 =87

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

Photo Parameters:

Flux = 938.7 lm Eff. : 73.11 lm/W Fe = 2.950 W

Electrical parameters:

V = 230.01 V I = 0.1073 A P = 12.84 W PF = 0.5203

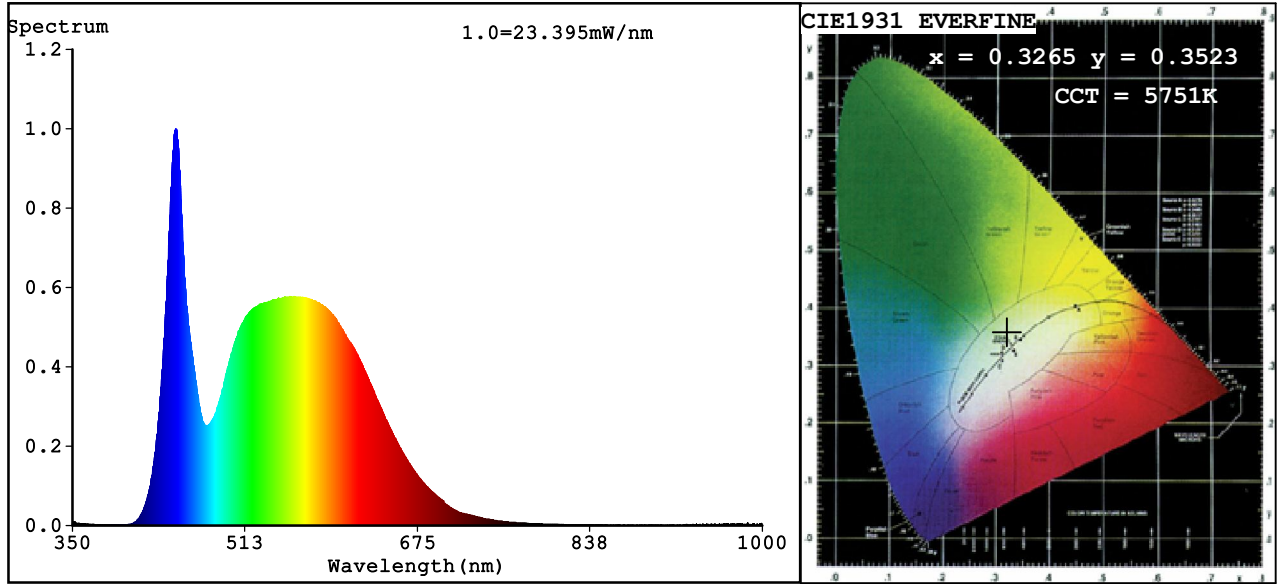
WHITE:OUT

Status: Integral T = 29 ms Ip = 40107 (61%)

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

Number:99LED967CW
Date:2018-08-20 13:03
Humidity:65.0%
Remarks:018V019A_4809

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3265$ $y=0.3523$ $u'=0.1987$ $v'=0.4823$

CCT=5751K(Duv=0.0083) Dominant WL:Ld =531.4nm Purity=4.1%

Ratio:R=13.8% G=81.4% B=4.9%;;Peak WL:Lp=446.9nm FWHM=22.6nm

Render Index:Ra=81.6

R1 =78 R2 =85 R3 =91 R4 =82 R5 =80 R6 =81 R7 =87

R8 =67 R9 =0 R10=65 R11=82 R12=63 R13=80 R14=95 R15=72

Photo Parameters:

Flux = 883.5 lm Eff. : 69.42 lm/W Fe = 2.767 W

Electrical parameters:

V = 230.00 V I = 0.1080 A P = 12.73 W PF = 0.5126

WHITE:OUT

Status: Integral T = 29 ms Ip = 37300 (57%)

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

Number:99LED967CW
Date:2018-08-20 13:05
Humidity:65.0%
Remarks:018V019A_4809