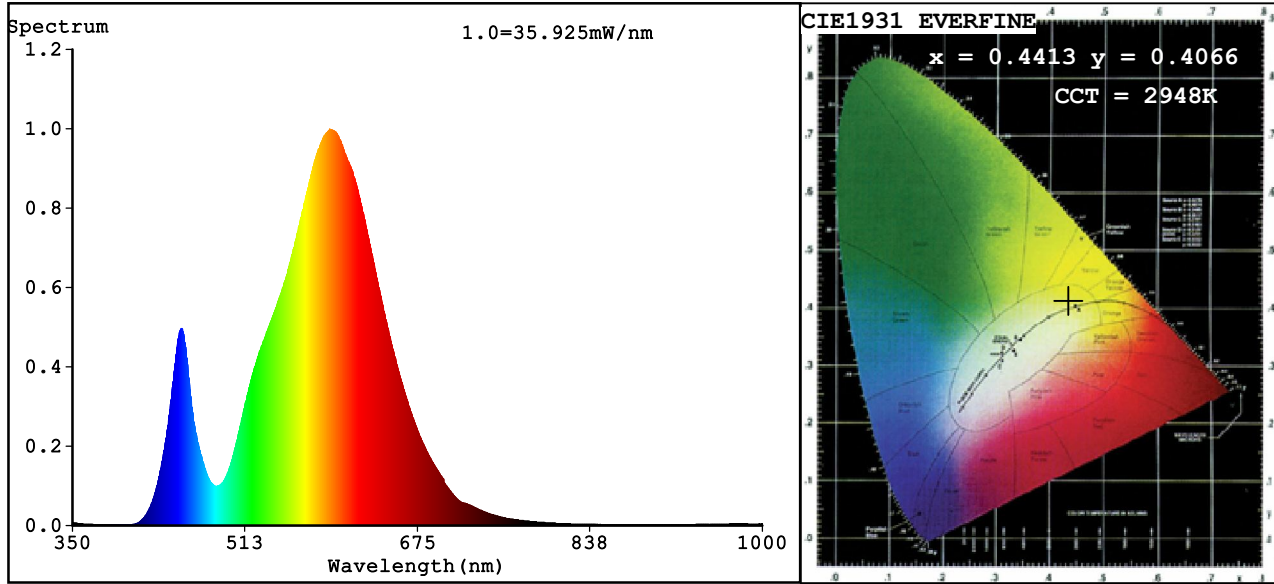


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4413$ $y=0.4066$ $u'=0.2523$ $v'=0.5230$

CCT=2948K(Duv=0.0004) Dominant WL:Ld =582.9nm Purity=54.5%

Ratio:R=21.4% G=76.8% B=1.7%;;Peak WL:Lp=592.5nm FWHM=112.2nm

Render Index:Ra=71.3

R1 =67 R2 =82 R3 =94 R4 =66 R5 =66 R6 =75 R7 =77

R8 =43 R9 =0 R10=58 R11=60 R12=47 R13=70 R14=97 R15=60

Photo Parameters:

Flux = 1698 lm Eff. : 67.53 lm/W Fe = 4.845 W

Electrical parameters:

V = 220.04 V I = 0.2200 A P = 25.15 W PF = 0.5196

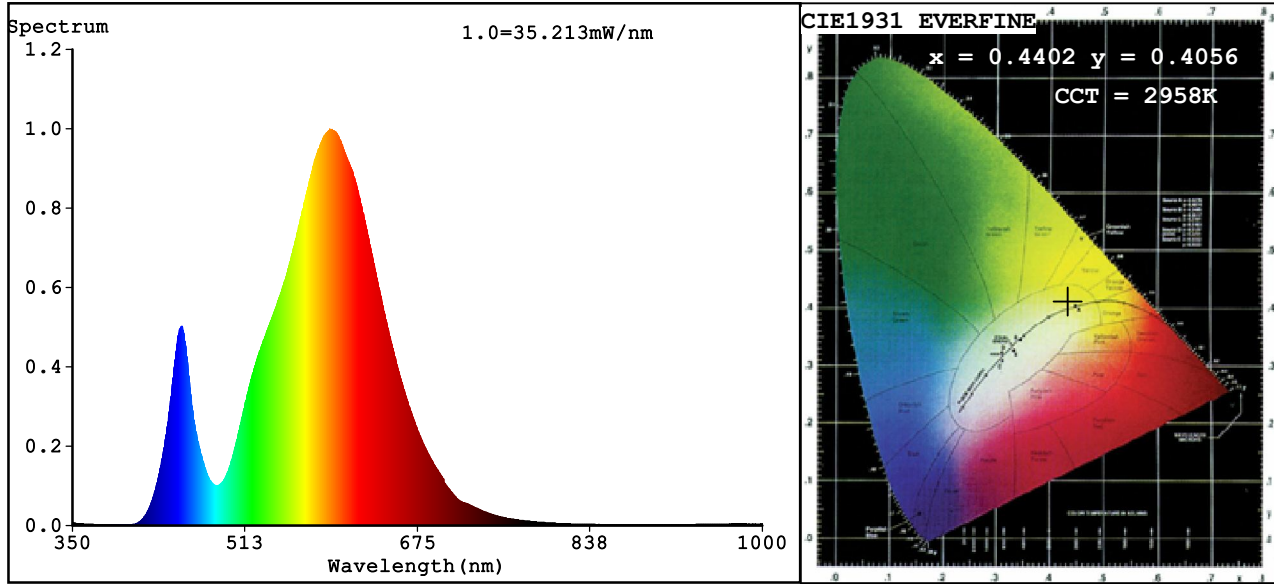
WHITE:ANSI_3000K

Status: Integral T = 20 ms Ip = 49613 (76%)

Model:LED PANELS ROUND STELLAR/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED621
Date:2016-12-06 14:00
Humidity:65.0%
Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4402$ $y=0.4056$ $u'=0.2520$ $v'=0.5225$

CCT=2958K(Duv=0.0002) Dominant WL:Ld =583.0nm Purity=53.8%

Ratio:R=21.4% G=76.9% B=1.8%;;Peak WL:Lp=592.5nm FWHM=112.4nm

Render Index:Ra=71.4

R1 =68 R2 =82 R3 =94 R4 =66 R5 =66 R6 =75 R7 =77

R8 =43 R9 =0 R10=59 R11=60 R12=48 R13=70 R14=97 R15=60

Photo Parameters:

Flux = 1668 lm Eff. : 65.05 lm/W Fe = 4.767 W

Electrical parameters:

V = 220.03 V I = 0.2243 A P = 25.63 W PF = 0.5193

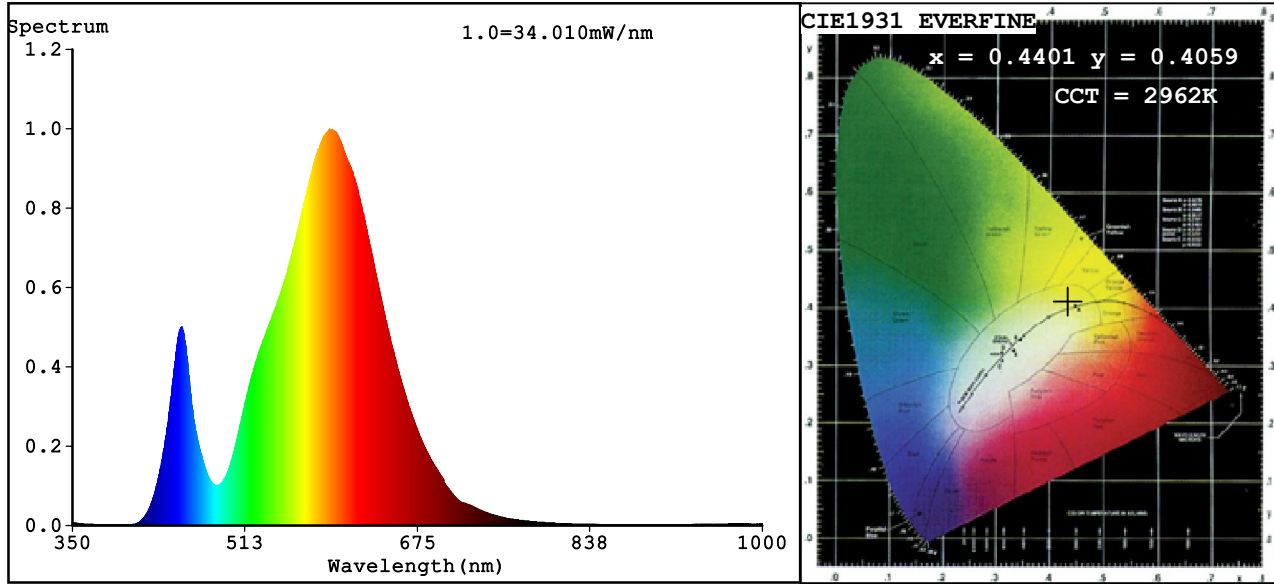
WHITE:ANSI_3000K

Status: Integral T = 20 ms Ip = 48630 (74%)

Model:LED PANELS ROUND STELLAR/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99XLED621
Date:2016-12-06 14:03
Humidity:65.0%
Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4401$ $y=0.4059$ $u'=0.2518$ $v'=0.5226$
 CCT=2962K(Duv=0.0003) Dominant WL:Ld =582.9nm Purity=53.9%
 Ratio:R=21.4% G=76.9% B=1.8%;;Peak WL:Lp=592.5nm FWHM=112.5nm
 Render Index:Ra=71.4
 R1 =68 R2 =82 R3 =94 R4 =66 R5 =66 R6 =75 R7 =77
 R8 =43 R9 =0 R10=59 R11=60 R12=48 R13=70 R14=97 R15=60

Photo Parameters:

Flux = 1612 lm Eff. : 62.82 lm/W Fe = 4.602 W

Electrical parameters:

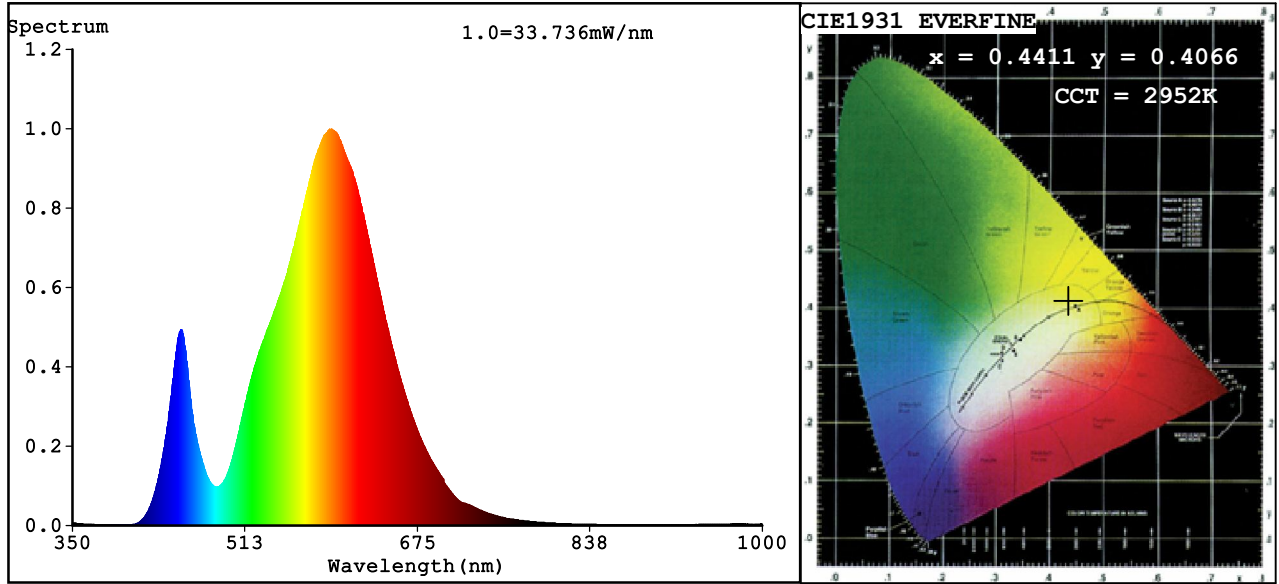
V = 219.99 V I = 0.2243 A P = 25.66 W PF = 0.5199

WHITE:ANSI_3000K

Status: Integral T = 20 ms Ip = 46972 (72%)

Model:LED PANELS ROUND STELLAR/24W	Number:99XLED621
Tester:Petya Marinova	Date:2016-12-06 14:21
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4411$ $y=0.4066$ $u'=0.2522$ $v'=0.5230$
 CCT=2952K(Duv=0.0005) Dominant WL:Ld =582.9nm Purity=54.5%
 Ratio:R=21.4% G=76.9% B=1.7%;;Peak WL:Lp=592.5nm FWHM=112.3nm
 Render Index:Ra=71.2
 R1 =67 R2 =82 R3 =94 R4 =66 R5 =66 R6 =74 R7 =77
 R8 =43 R9 =0 R10=58 R11=60 R12=47 R13=70 R14=97 R15=60

Photo Parameters:

Flux = 1597 lm Eff. : 63.21 lm/W Fe = 4.554 W

Electrical parameters:

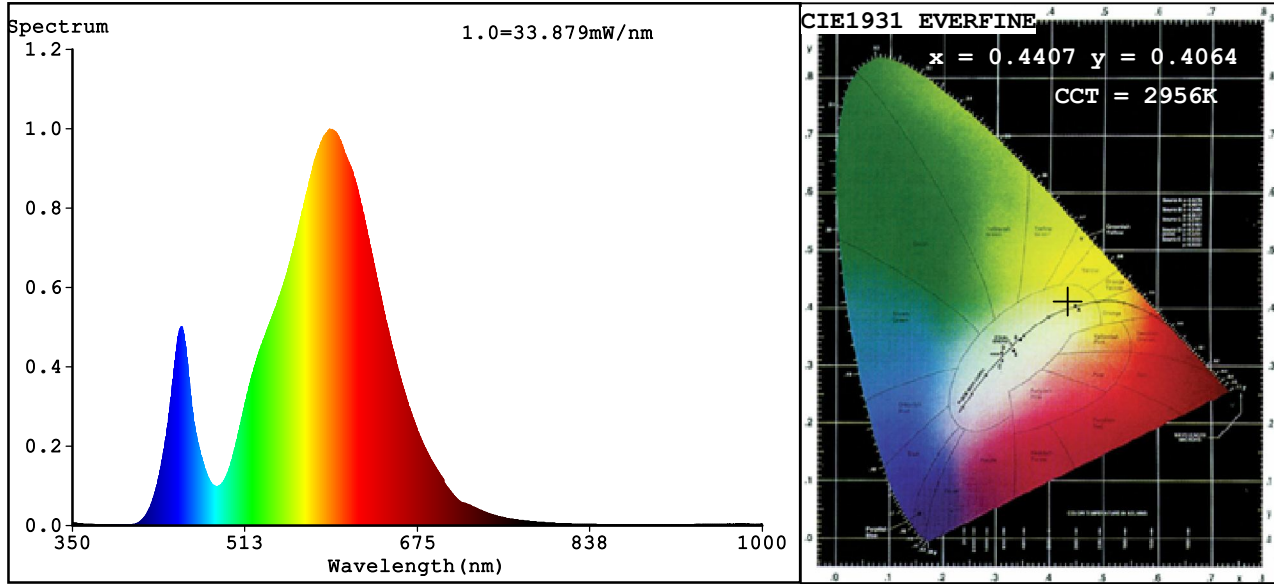
V = 220.03 V I = 0.2220 A P = 25.27 W PF = 0.5175

WHITE:ANSI_3000K

Status: Integral T = 20 ms Ip = 46644 (71%)

Model:LED PANELS ROUND STELLAR/24W	Number:99XLED621
Tester:Petya Marinova	Date:2016-12-06 14:23
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4407$ $y=0.4064$ $u'=0.2520$ $v'=0.5228$
CCT=2956K(Duv=0.0004) Dominant WL:Ld =582.9nm Purity=54.2%
Ratio:R=21.4% G=76.9% B=1.7%;;Peak WL:Lp=592.5nm FWHM=112.5nm
Render Index:Ra=71.4
R1 =68 R2 =82 R3 =94 R4 =66 R5 =66 R6 =75 R7 =78
R8 =43 R9 =0 R10=58 R11=60 R12=47 R13=70 R14=97 R15=60

Photo Parameters:

Flux = 1605 lm Eff. : 62.46 lm/W Fe = 4.577 W

Electrical parameters:

V = 220.10 V I = 0.2238 A P = 25.70 W PF = 0.5217

WHITE:ANSI_3000K

Status: Integral T = 20 ms Ip = 46812 (71%)

Model:LED PANELS ROUND STELLAR/24W	Number:99XLED621
Tester:Petya Marinova	Date:2016-12-06 14:26
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181