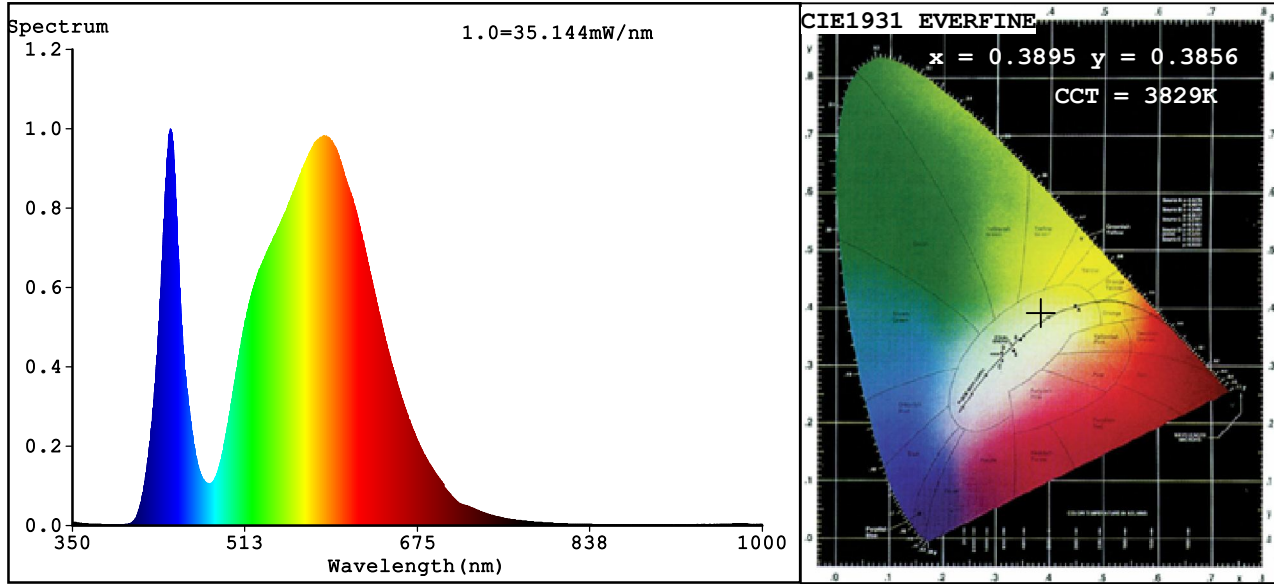


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3895$ $y=0.3856$ $u'=0.2275$ $v'=0.5068$
 CCT=3829K(Duv=0.0015) Dominant WL:Ld =579.0nm Purity=32.6%
 Ratio:R=17.3% G=80.5% B=2.1%;;Peak WL:Lp=442.5nm FWHM=21.7nm
 Render Index:Ra=72.5
 R1 =70 R2 =78 R3 =86 R4 =73 R5 =70 R6 =71 R7 =80
 R8 =53 R9 =0 R10=50 R11=71 R12=49 R13=71 R14=92 R15=62

Photo Parameters:

Flux = 1896 lm Eff. : 74.47 lm/W Fe = 5.495 W

Electrical parameters:

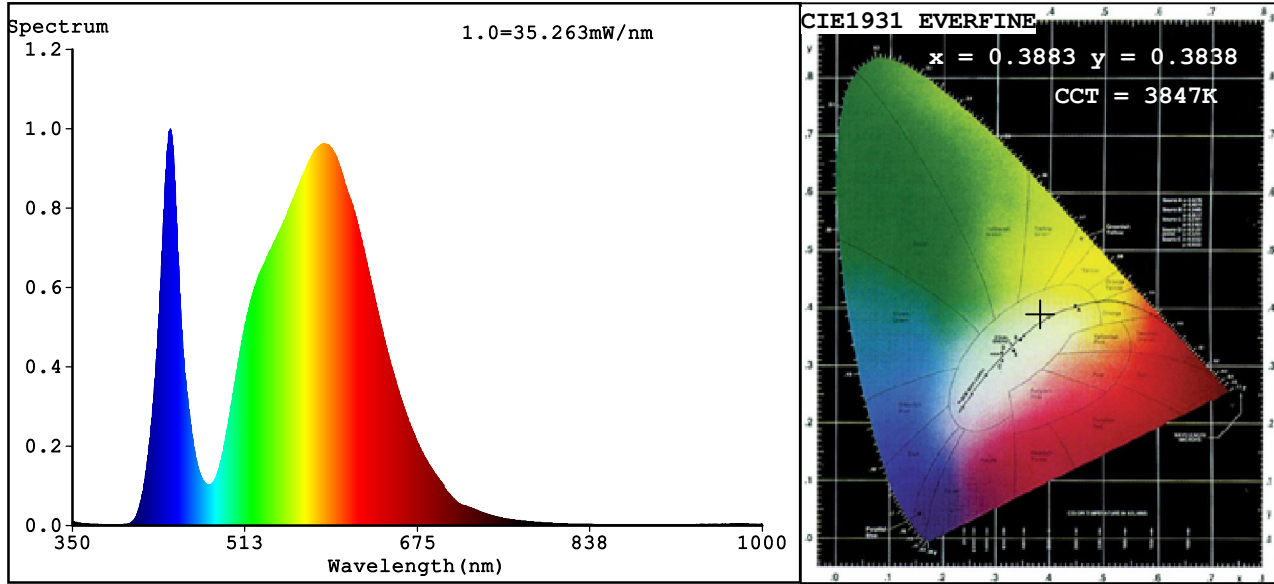
V = 220.07 V I = 0.2218 A P = 25.46 W PF = 0.5216

WHITE:ANSI_4000K

Status: Integral T = 16 ms Ip = 39167 (60%)

Model:LED PANELS ROUND STELLAR/24W	Number:99XLED620
Tester:Petya Marinova	Date:2016-12-05 10:29
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3883$ $y=0.3838$ $u'=0.2275$ $v'=0.5058$
 CCT=3847K (Duv=0.0010) Dominant WL:Ld =579.1nm Purity=31.7%
 Ratio:R=17.3% G=80.5% B=2.1%;; Peak WL:Lp=442.4nm FWHM=21.8nm
 Render Index:Ra=72.6
 R1 =70 R2 =78 R3 =86 R4 =73 R5 =70 R6 =71 R7 =80
 R8 =53 R9 =0 R10=50 R11=71 R12=49 R13=71 R14=92 R15=63

Photo Parameters:

Flux = 1866 lm Eff. : 73.19 lm/W Fe = 5.431 W

Electrical parameters:

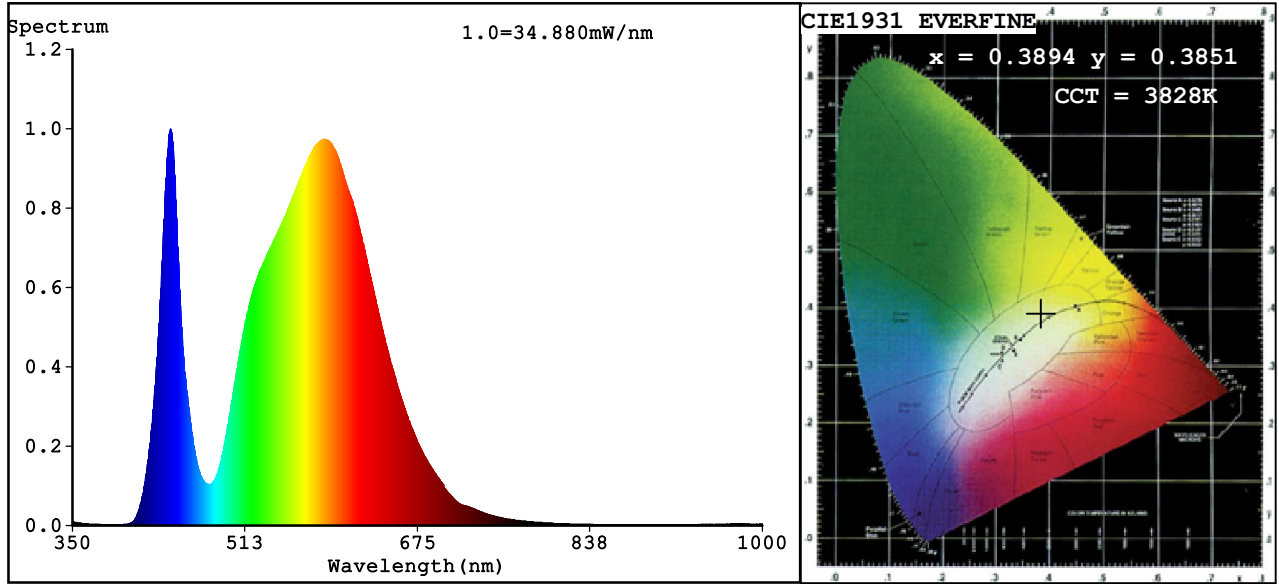
V = 220.01 V I = 0.2220 A P = 25.50 W PF = 0.5221

WHITE:ANSI_4000K

Status: Integral T = 16 ms Ip = 38535 (59%)

Model:LED PANELS ROUND STELLAR/24W	Number:99XLED620
Tester:Petya Marinova	Date:2016-12-05 10:32
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3894$ $y=0.3851$ $u'=0.2276$ $v'=0.5066$
 CCT=3828K(Duv=0.0014) Dominant WL:Ld =579.0nm Purity=32.5%
 Ratio:R=17.4% G=80.5% B=2.1%;;Peak WL:Lp=442.5nm FWHM=21.5nm
 Render Index:Ra=72.6
 R1 =70 R2 =78 R3 =86 R4 =73 R5 =70 R6 =71 R7 =80
 R8 =53 R9 =0 R10=50 R11=71 R12=49 R13=71 R14=92 R15=63

Photo Parameters:

Flux = 1865 lm Eff. : 73.50 lm/W Fe = 5.409 W

Electrical parameters:

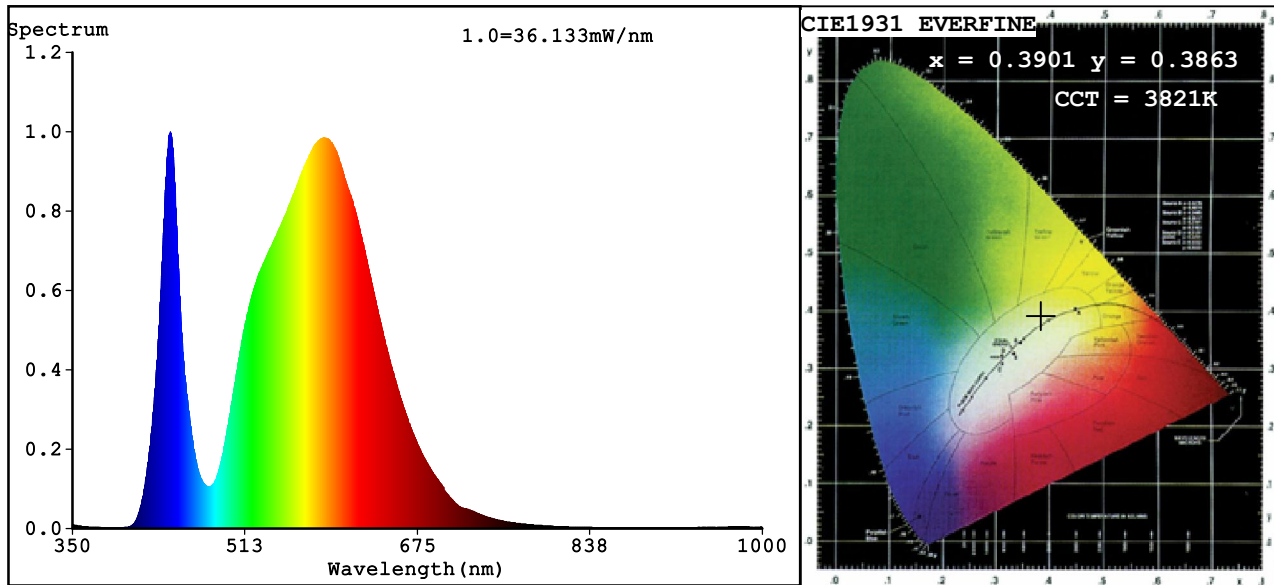
V = 220.04 V I = 0.2206 A P = 25.37 W PF = 0.5227

WHITE:ANSI_4000K

Status: Integral T = 16 ms Ip = 38536 (59%)

Model:LED PANELS ROUND STELLAR/24W	Number:99XLED620
Tester:Petya Marinova	Date:2016-12-05 10:34
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3901$ $y=0.3863$ $u'=0.2276$ $v'=0.5072$

CCT=3821K (Duv=0.0017) Dominant WL:Ld =578.9nm Purity=33.0%

Ratio:R=17.3% G=80.5% B=2.1%;; Peak WL:Lp=442.4nm FWHM=21.4nm

Render Index:Ra=72.5

R1 =70	R2 =78	R3 =86	R4 =73	R5 =70	R6 =70	R7 =80	
R8 =52	R9 =0	R10=50	R11=71	R12=49	R13=71	R14=92	R15=62

Photo Parameters:

Flux = 1952 lm Eff. : 77.66 lm/W Fe = 5.649 W

Electrical parameters:

V = 220.03 V I = 0.2215 A P = 25.14 W PF = 0.5157

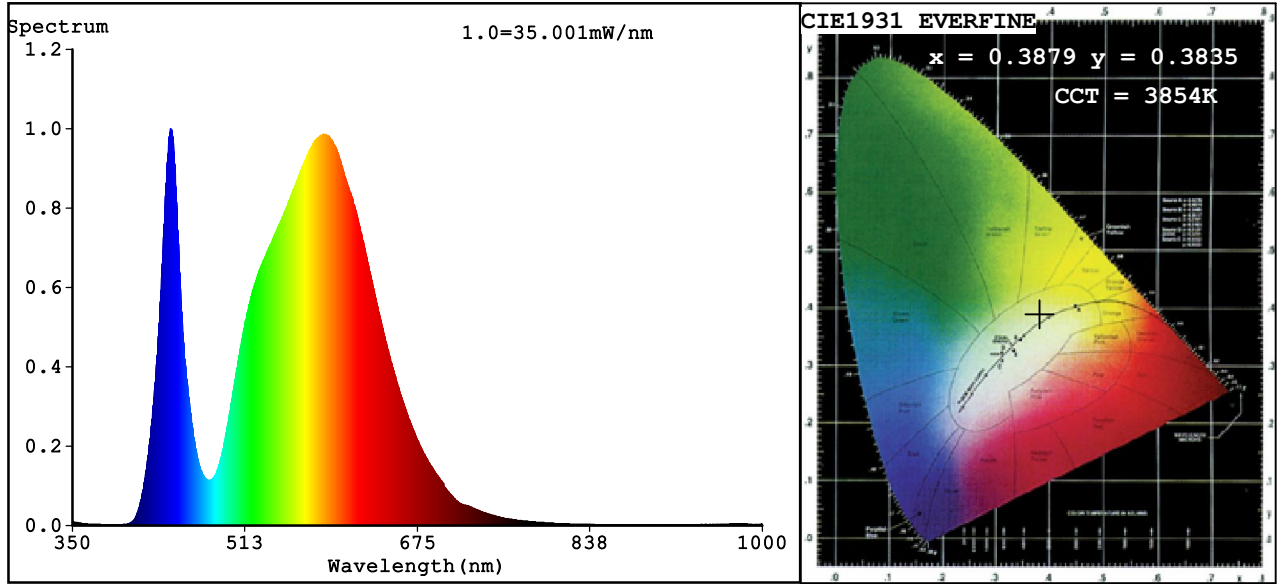
WHITE:ANSI_4000K

Status: Integral T = 16 ms Ip = 40374 (62%)

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

Number:99XLED620
Date:2016-12-05 10:39
Humidity:65.0%
Remarks:016V030A_3181

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3879$ $y=0.3835$ $u'=0.2273$ $v'=0.5056$
 CCT=3854K(Duv=0.0010) Dominant WL:Ld =579.1nm Purity=31.5%
 Ratio:R=17.3% G=80.5% B=2.2%;;Peak WL:Lp=442.5nm FWHM=22.4nm
 Render Index:Ra=72.6
 R1 =70 R2 =78 R3 =86 R4 =73 R5 =70 R6 =71 R7 =80
 R8 =53 R9 =0 R10=50 R11=70 R12=49 R13=71 R14=92 R15=63

Photo Parameters:

Flux = 1896 lm Eff. : 78.01 lm/W Fe = 5.519 W

Electrical parameters:

V = 220.01 V I = 0.2179 A P = 24.30 W PF = 0.5069

WHITE:ANSI_4000K

Status: Integral T = 16 ms Ip = 39242 (60%)

Model:LED PANELS ROUND STELLAR/24W	Number:99XLED620
Tester:Petya Marinova	Date:2016-12-05 10:44
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:016V030A_3181