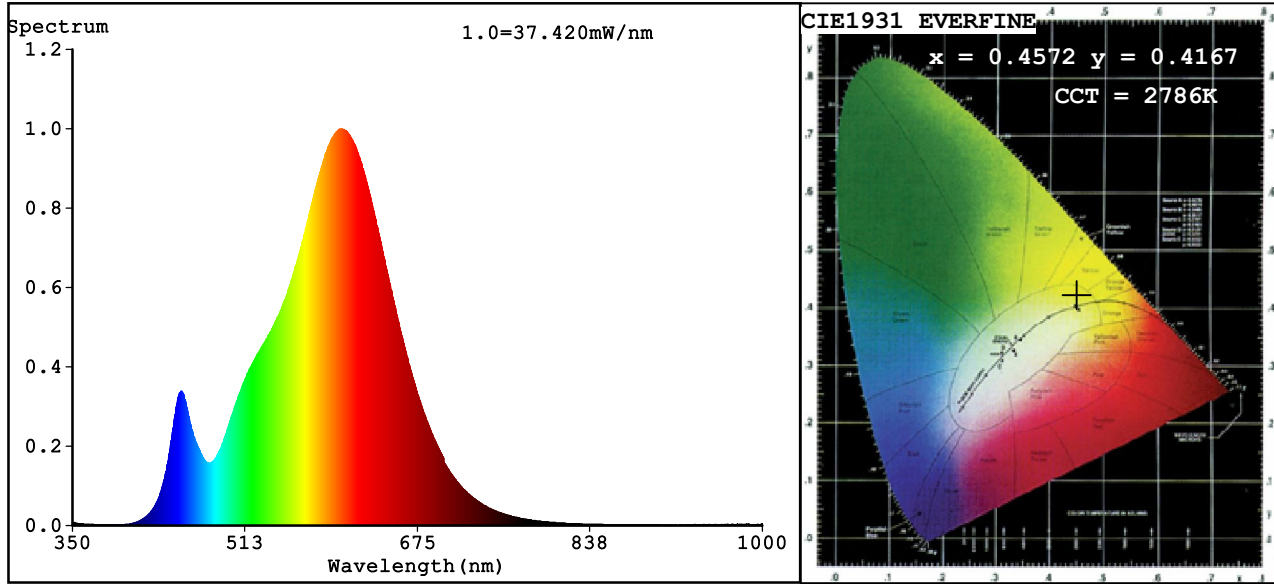


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4572$ $y=0.4167$ / $u'=0.2580$ $v'=0.5293$
 CCT=2786K (Duv=0.0025) Dominant WL:Ld =583.0nm Purity=62.3%
 Ratio:R=24.0% G=73.9% B=2.1%; Peak WL:Lp=604.4nm FWHM=119.6nm
 Render Index:Ra=80.7
 R1 =78 R2 =89 R3 =97 R4 =78 R5 =78 R6 =88 R7 =82
 R8 =55 R9 =0 R10=77 R11=77 R12=69 R13=81 R14=99 R15=70

Photo Parameters:

Flux = 1757 lm Eff. : 105.45 lm/W Fe = 5.339 W

Electrical parameters:

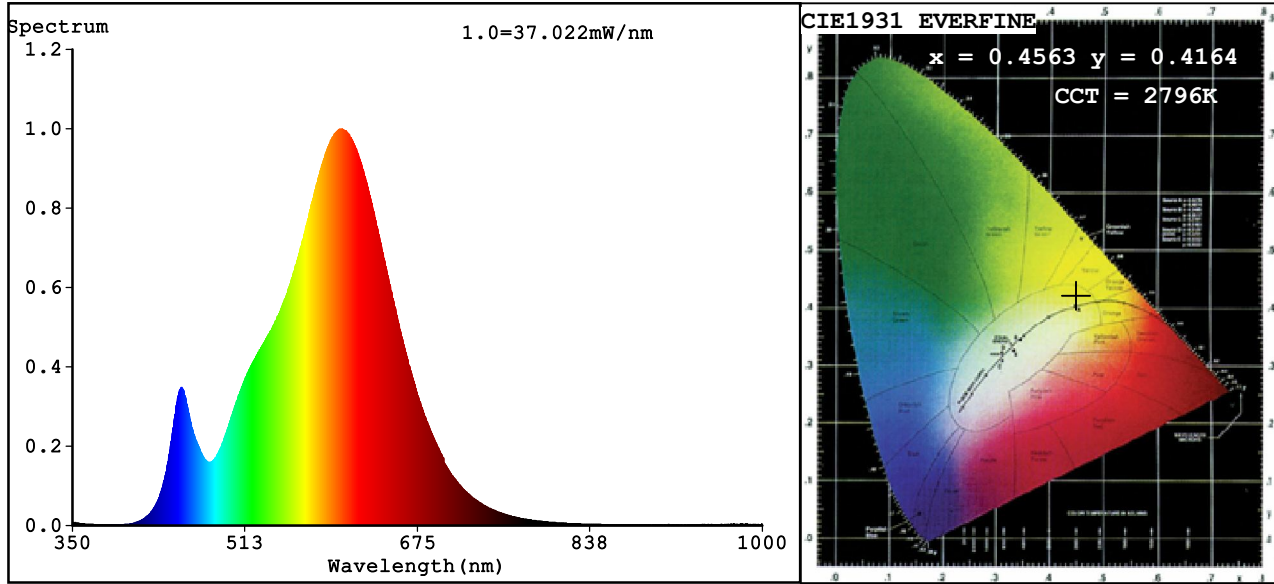
V = 230.05 V I = 0.1333 A P = 16.66 W PF = 0.5433

WHITE:ANSI_2700K

Status: Integral T = 18 ms Ip = 34681 (53%)

Model:LED MOULD FOR CELLING LAMP/18W Number:99LED792
 Tester:Petya Marinova Date:2017-06-23 16:03
 Temperature:25.3Deg Humidity:65.0%
 Manufacturer:ELMARK Remarks:017V009A_3793

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4563$ $y=0.4164$ $u'=0.2576$ $v'=0.5290$
 CCT=2796K(Duv=0.0025) Dominant WL:Ld =583.0nm Purity=62.0%
 Ratio:R=23.9% G=73.9% B=2.2%;;Peak WL:Lp=604.4nm FWHM=119.7nm
 Render Index:Ra=80.7
 R1 =78 R2 =89 R3 =97 R4 =78 R5 =78 R6 =88 R7 =82
 R8 =55 R9 =0 R10=76 R11=77 R12=69 R13=81 R14=99 R15=70

Photo Parameters:

Flux = 1741 lm Eff. : 105.01 lm/W Fe = 5.287 W

Electrical parameters:

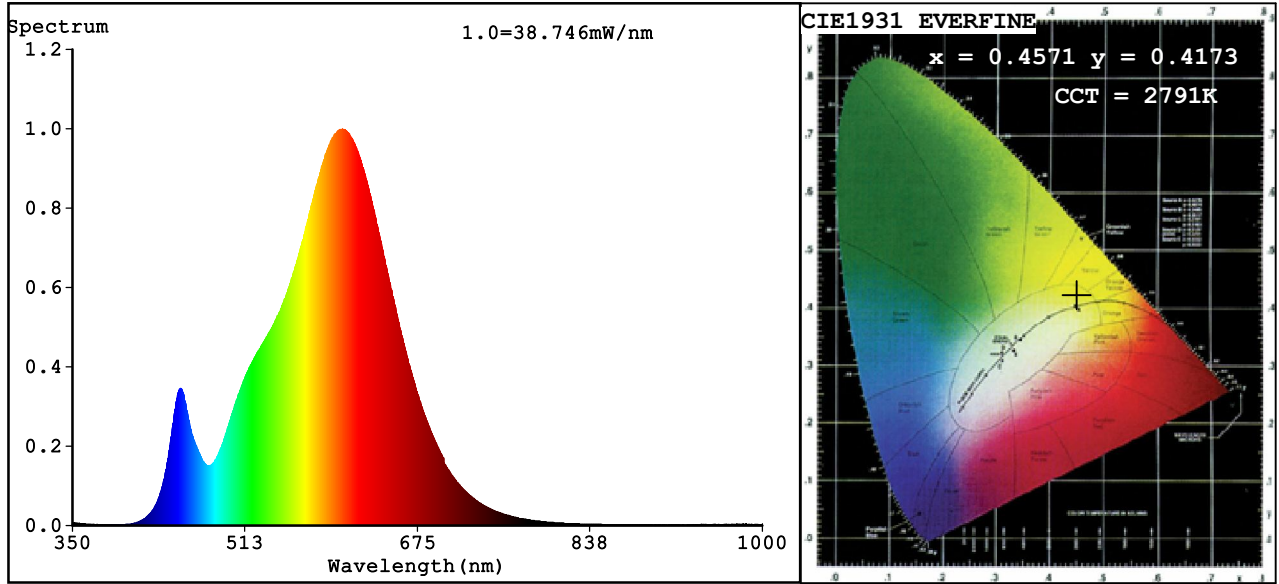
V = 230.05 V I = 0.1328 A P = 16.58 W PF = 0.5429

WHITE:ANSI_2700K

Status: Integral T = 18 ms Ip = 34301 (52%)

Model:LED MOULD FOR CELLING LAMP/18W Number:99LED792
 Tester:Petya Marinova Date:2017-06-23 16:05
 Temperature:25.3Deg Humidity:65.0%
 Manufacturer:ELMARK Remarks:017V009A_3793

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4571$ $y=0.4173$ $u'=0.2578$ $v'=0.5295$
 CCT=2791K(Duv=0.0027) Dominant WL:Ld =582.9nm Purity=62.5%
 Ratio:R=23.9% G=73.9% B=2.1%;; Peak WL:Lp=604.4nm FWHM=120.4nm
 Render Index:Ra=80.9
 R1 =79 R2 =89 R3 =97 R4 =79 R5 =78 R6 =87 R7 =82
 R8 =56 R9 =1 R10=76 R11=77 R12=69 R13=81 R14=99 R15=70

Photo Parameters:

Flux = 1824 lm Eff. : 107.65 lm/W Fe = 5.531 W

Electrical parameters:

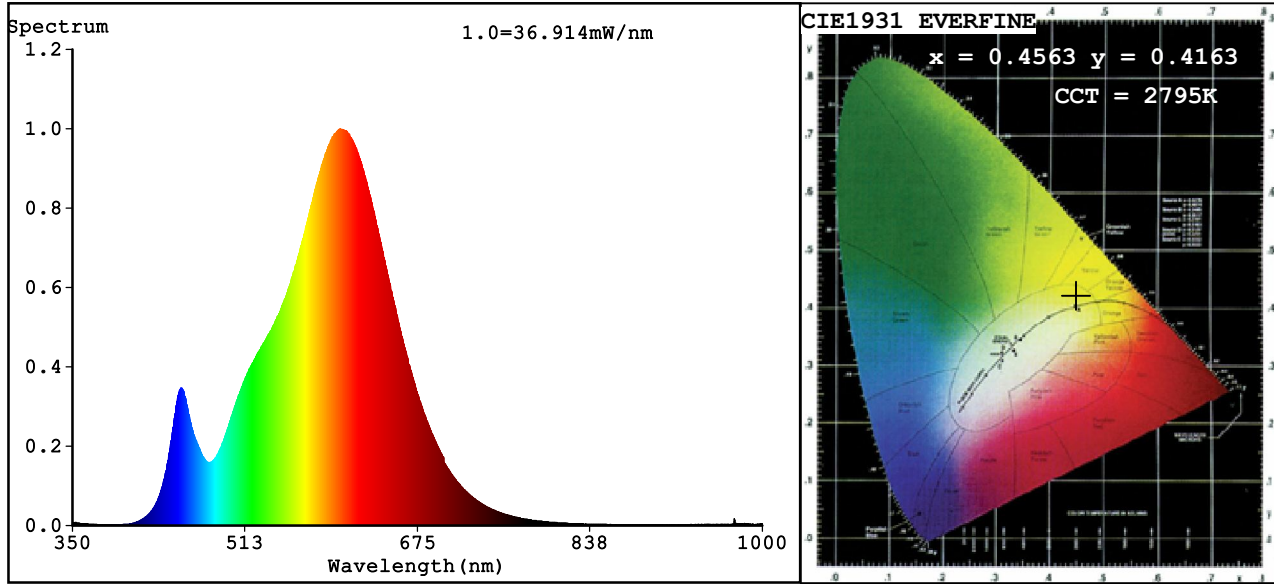
V = 230.08 V I = 0.1348 A P = 16.94 W PF = 0.5460

WHITE:ANSI_2700K

Status: Integral T = 18 ms Ip = 35888 (55%)

Model:LED MOULD FOR CELLING LAMP/18W Number:99LED792
 Tester:Petya Marinova Date:2017-06-23 16:08
 Temperature:25.3Deg Humidity:65.0%
 Manufacturer:ELMARK Remarks:017V009A_3793

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4563$ $y=0.4163$ $u'=0.2577$ $v'=0.5290$

CCT=2795K(Duv=0.0024) Dominant WL:Ld =583.0nm Purity=61.9%

Ratio:R=23.9% G=73.9% B=2.2%;;Peak WL:Lp=602.1nm FWHM=120.0nm

Render Index:Ra=80.7

R1 =78	R2 =89	R3 =97	R4 =78	R5 =78	R6 =88	R7 =82	
R8 =55	R9 =0	R10=76	R11=77	R12=69	R13=81	R14=99	R15=70

Photo Parameters:

Flux = 1737 lm Eff. : 106.88 lm/W Fe = 5.284 W

Electrical parameters:

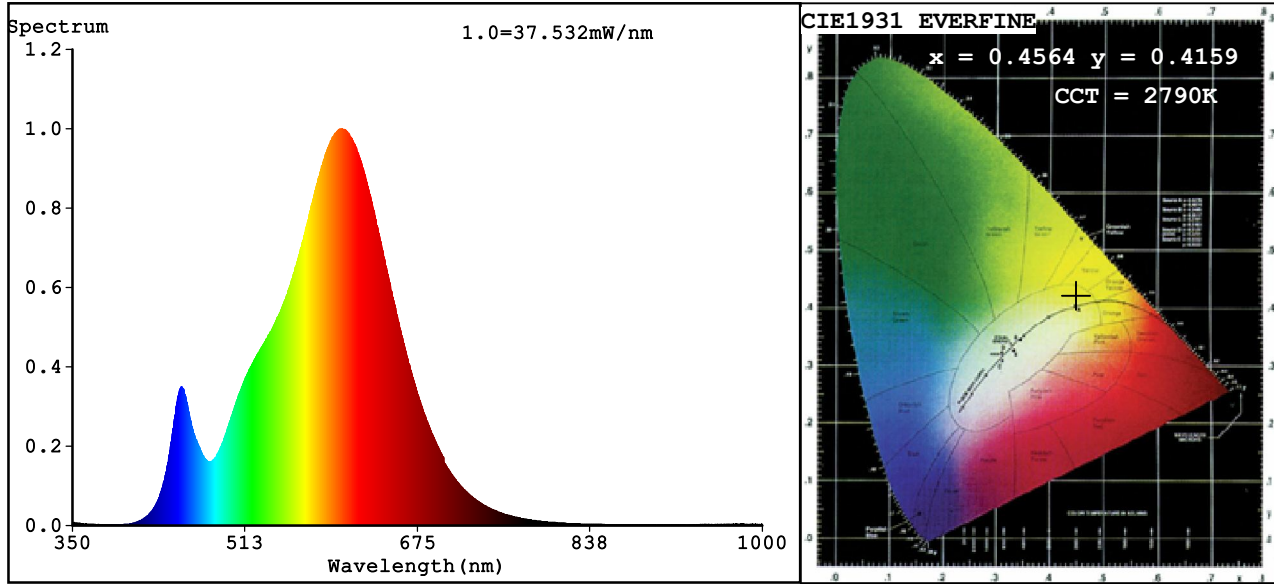
V = 230.06 V I = 0.1311 A P = 16.25 W PF = 0.5391

WHITE:ANSI_2700K

Status: Integral T = 18 ms Ip = 34209 (52%)

Model:LED MOULD FOR CELLING LAMP/18W	Number:99LED792
Tester:Petya Marinova	Date:2017-06-23 16:11
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:017V009A_3793

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4564$ $y=0.4159$ $u'=0.2580$ $v'=0.5288$
 CCT=2790K(Duv=0.0023) Dominant WL:Ld =583.0nm Purity=61.8%
 Ratio:R=24.0% G=73.8% B=2.2%;; Peak WL:Lp=604.4nm FWHM=119.6nm
 Render Index:Ra=80.9
 R1 =79 R2 =90 R3 =97 R4 =78 R5 =79 R6 =88 R7 =82
 R8 =55 R9 =1 R10=77 R11=77 R12=70 R13=81 R14=99 R15=70

Photo Parameters:

Flux = 1762 lm Eff. : 105.21 lm/W Fe = 5.366 W

Electrical parameters:

V = 230.06 V I = 0.1338 A P = 16.75 W PF = 0.5440

WHITE:ANSI_2700K

Status: Integral T = 18 ms Ip = 34800 (53%)

Model:LED MOULD FOR CELLING LAMP/18W Number:99LED792
 Tester:Petya Marinova Date:2017-06-23 16:13
 Temperature:25.3Deg Humidity:65.0%
 Manufacturer:ELMARK Remarks:017V009A_3793