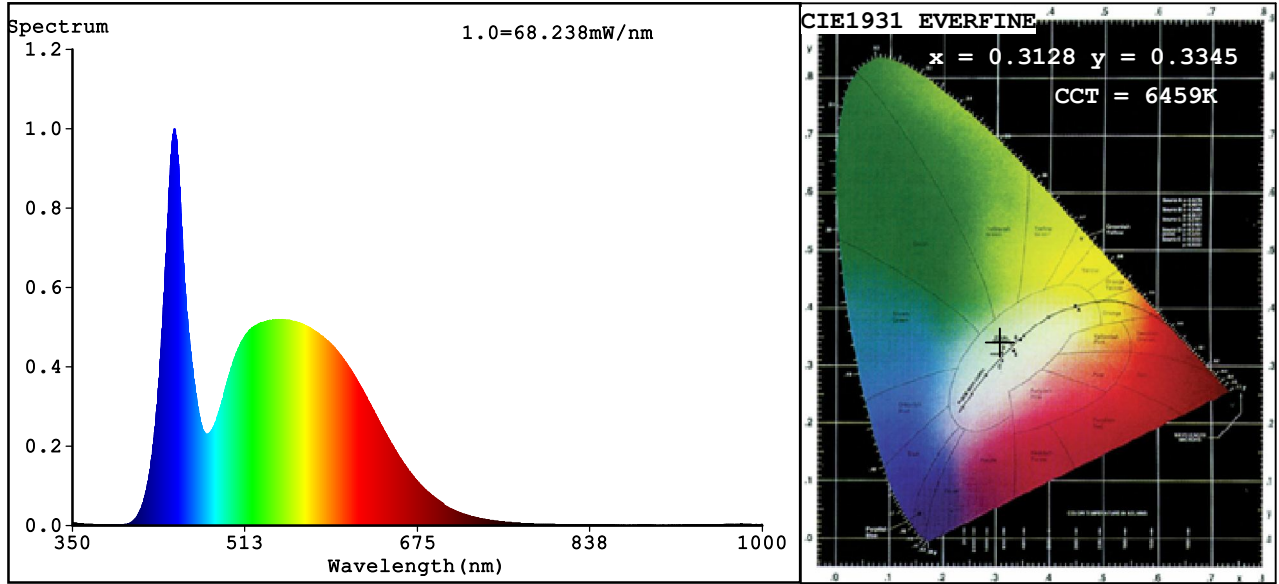


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3128$ $y=0.3345$ $u'=0.1959$ $v'=0.4713$

CCT=6459K(Duv=0.0059) Dominant WL:Ld =492.5nm Purity=6.9%

Ratio:R=13.2% G=81.6% B=5.2%;;Peak WL:Lp=446.2nm FWHM=24.3nm

Render Index:Ra=82.0

R1 =80	R2 =84	R3 =88	R4 =83	R5 =82	R6 =80	R7 =87	
R8 =71	R9 =7	R10=63	R11=84	R12=64	R13=80	R14=93	R15=75

Photo Parameters:

Flux = 2294 lm Eff. : 90.85 lm/W Fe = 7.468 W

Electrical parameters:

V = 229.92 V I = 0.1164 A P = 25.25 W PF = 0.9434

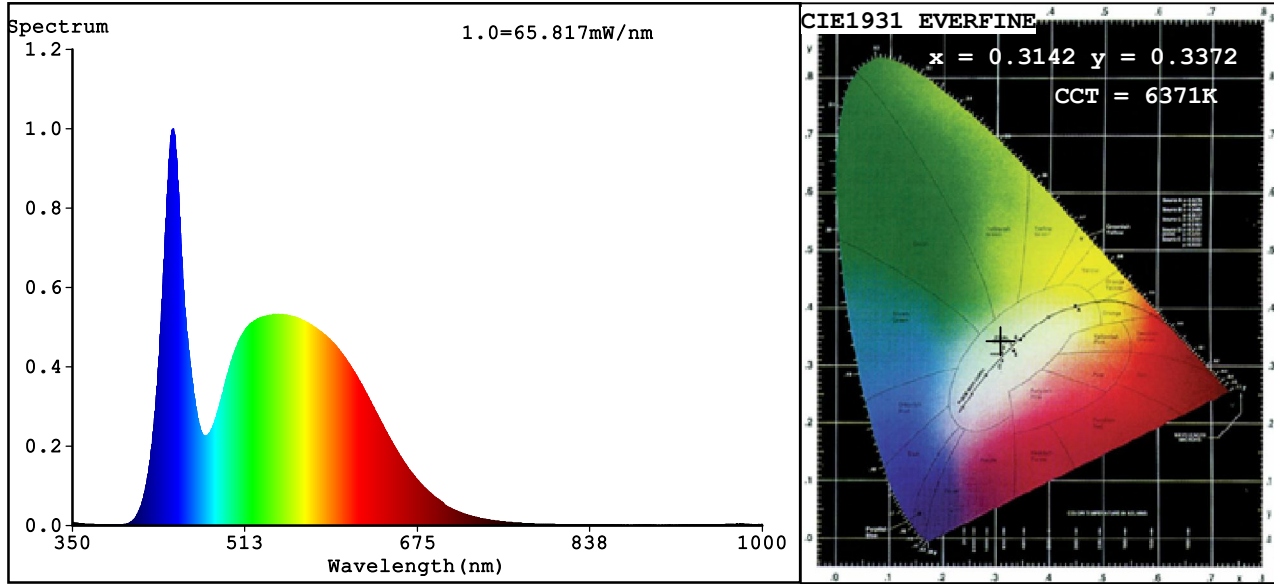
WHITE:ANSI_6500K

Status: Integral T = 12 ms Ip = 44675 (68%)

Model:LED TUBE ECO/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED447M
Date:2018-11-26 16:06
Humidity:65.0%
Remarks:018V034B_5081

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3142$ $y=0.3372$ $u'=0.1958$ $v'=0.4729$
 CCT=6371K (Duv=0.0066) Dominant WL:Ld =494.3nm Purity=6.2%
 Ratio:R=13.2% G=81.7% B=5.1%;; Peak WL:Lp=444.9nm FWHM=24.1nm
 Render Index:Ra=81.5
 R1 =80 R2 =83 R3 =87 R4 =83 R5 =82 R6 =80 R7 =86
 R8 =71 R9 =6 R10=62 R11=84 R12=66 R13=80 R14=93 R15=74

Photo Parameters:

Flux = 2262 lm Eff. : 88.18 lm/W Fe = 7.346 W

Electrical parameters:

V = 229.94 V I = 0.1181 A P = 25.65 W PF = 0.9442

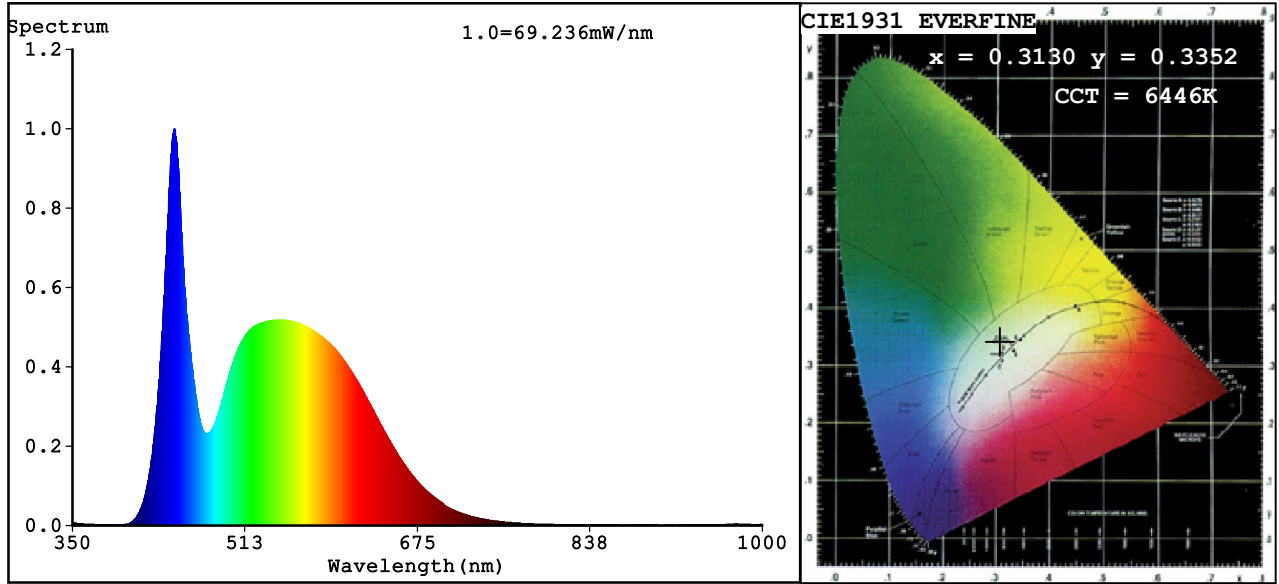
WHITE:ANSI_6500K

Status: Integral T = 12 ms Ip = 42929 (66%)

Model:LED TUBE ECO/24W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED447M
 Date:2018-11-26 16:10
 Humidity:65.0%
 Remarks:018V034B_5081

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3130$ $y=0.3352$ $u'=0.1957$ $v'=0.4716$

CCT=6446K (Duv=0.0062) Dominant WL:Ld =492.9nm Purity=6.8%

Ratio:R=13.2% G=81.6% B=5.2%;; Peak WL:Lp=446.1nm FWHM=24.0nm

Render Index:Ra=82.0

R1 =80	R2 =84	R3 =88	R4 =83	R5 =82	R6 =80	R7 =87	
R8 =71	R9 =7	R10=63	R11=84	R12=64	R13=80	R14=94	R15=75

Photo Parameters:

Flux = 2323 lm Eff. : 90.42 lm/W Fe = 7.559 W

Electrical parameters:

V = 229.94 V I = 0.1183 A P = 25.69 W PF = 0.9444

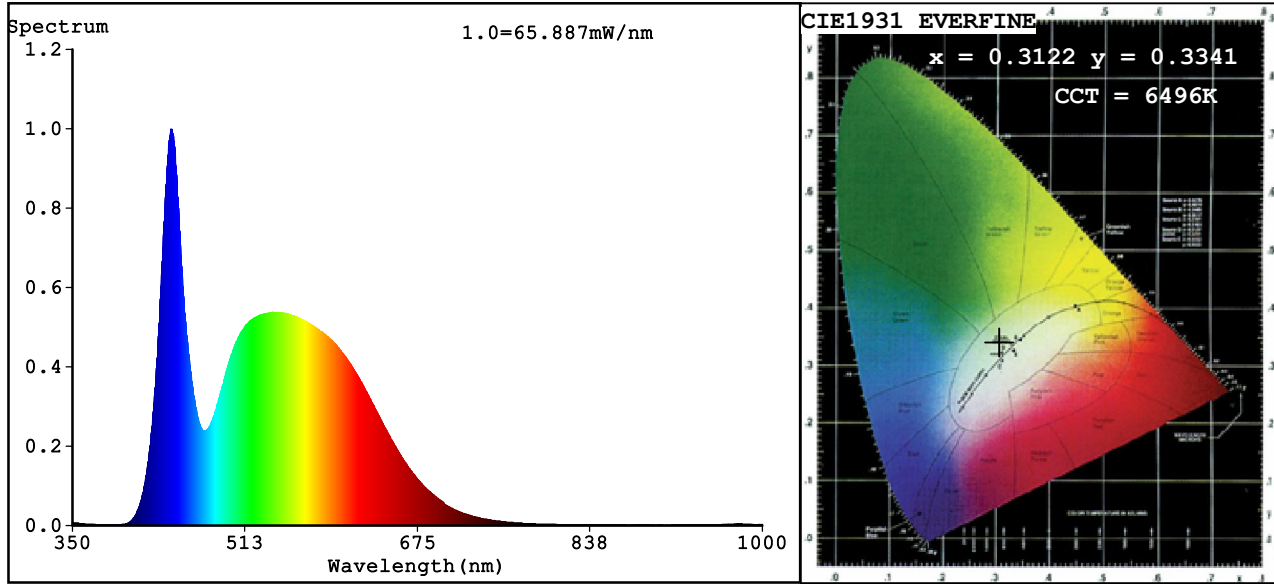
WHITE:ANSI_6500K

Status: Integral T = 12 ms Ip = 45304 (69%)

Model:LED TUBE ECO/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED447M
Date:2018-11-26 16:13
Humidity:65.0%
Remarks:018V034B_5081

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3122$ $y=0.3341$ / $u'=0.1956$ $v'=0.4709$

CCT=6496K (Duv=0.0060) Dominant WL:Ld =492.1nm Purity=7.1%

Ratio:R=13.2% G=81.5% B=5.2%; Peak WL:Lp=442.8nm FWHM=25.6nm

Render Index:Ra=82.1

R1 =81	R2 =84	R3 =87	R4 =84	R5 =83	R6 =81	R7 =86	
R8 =72	R9 =10	R10=63	R11=85	R12=69	R13=81	R14=93	R15=75

Photo Parameters:

Flux = 2288 lm Eff. : 89.25 lm/W Fe = 7.530 W

Electrical parameters:

V = 229.96 V I = 0.1180 A P = 25.64 W PF = 0.9448

WHITE:ANSI_6500K

Status: Integral T = 12 ms Ip = 42692 (65%)

Model:LED TUBE ECO/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED447M
Date:2018-11-26 16:20
Humidity:65.0%
Remarks:018V034B_5081