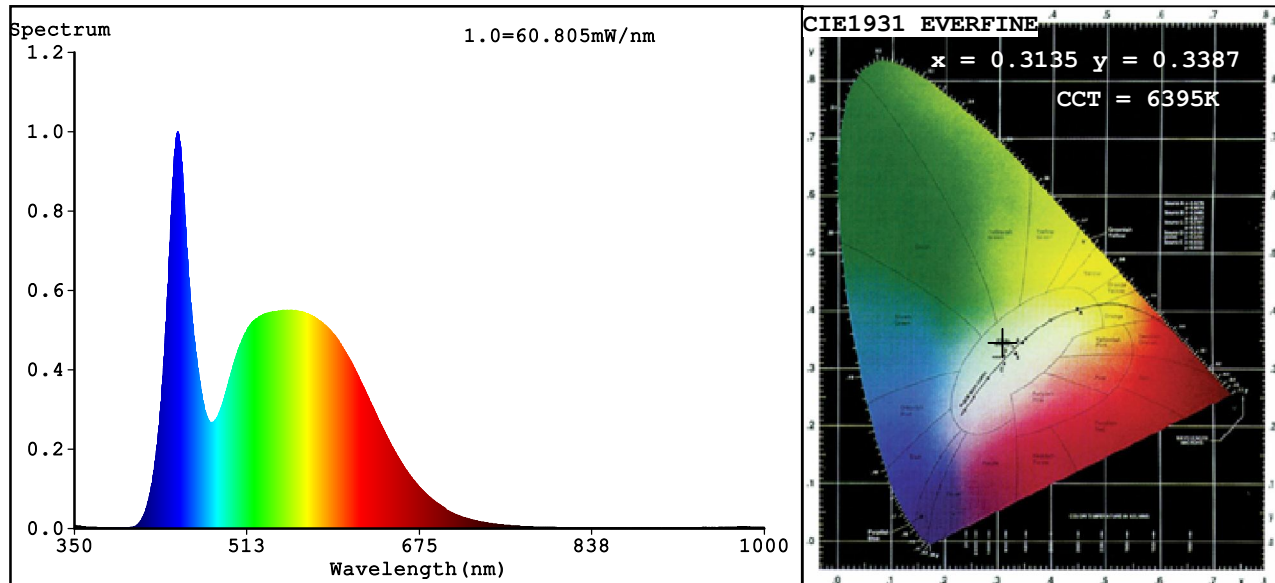


Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3135$ $y=0.3387$ $u'=0.1948$ $v'=0.4735$

CCT=6395K(Duv=0.0077) Dominant WL:Ld =495.2nm Purity=6.4%

Ratio:R=12.9% G=81.8% B=5.3%;;Peak WL:Lp=447.3nm FWHM=25.9nm

Render Index:Ra=81.0

R1 =78 R2 =84 R3 =90 R4 =82 R5 =80 R6 =80 R7 =87

R8 =67 R9 =0 R10=64 R11=81 R12=62 R13=79 R14=95 R15=72

Photo Parameters:

Flux = 2168 lm Eff. : 85.94 lm/W Fe = 6.911 W

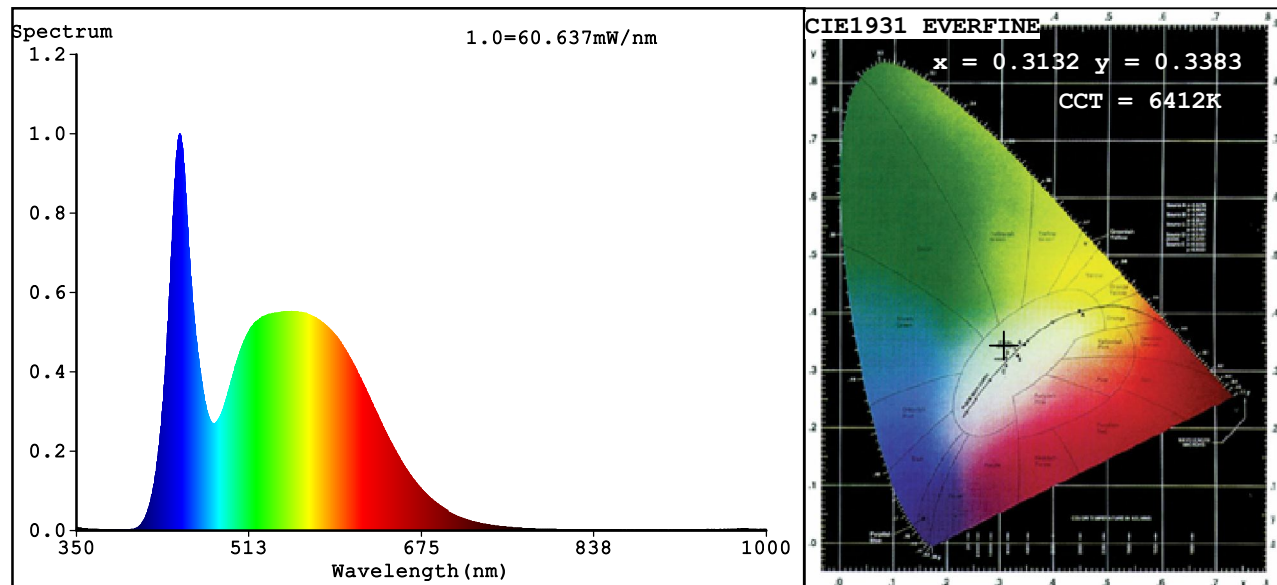
Electrical parameters:

V = 229.93 V I = 0.1936 A P = 25.22 W PF = 0.5665

WHITE:ANSI_6500K

Status: Integral T = 21 ms Ip = 55105 (84%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED447
Date:2018-04-12 11:44
Humidity:65.0%
Remarks:27Q39118004_4403

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3132$ $y=0.3383$ $u'=0.1948$ $v'=0.4733$

CCT=6412K(Duv=0.0076) Dominant WL:Ld =494.9nm Purity=6.5%

Ratio:R=12.9% G=81.8% B=5.3%;;Peak WL:Lp=447.3nm FWHM=26.3nm

Render Index:Ra=81.1

R1 =78 R2 =84 R3 =90 R4 =82 R5 =80 R6 =80 R7 =87

R8 =67 R9 =0 R10=64 R11=81 R12=62 R13=79 R14=95 R15=72

Photo Parameters:

Flux = 2171 lm Eff. : 88.06 lm/W Fe = 6.927 W

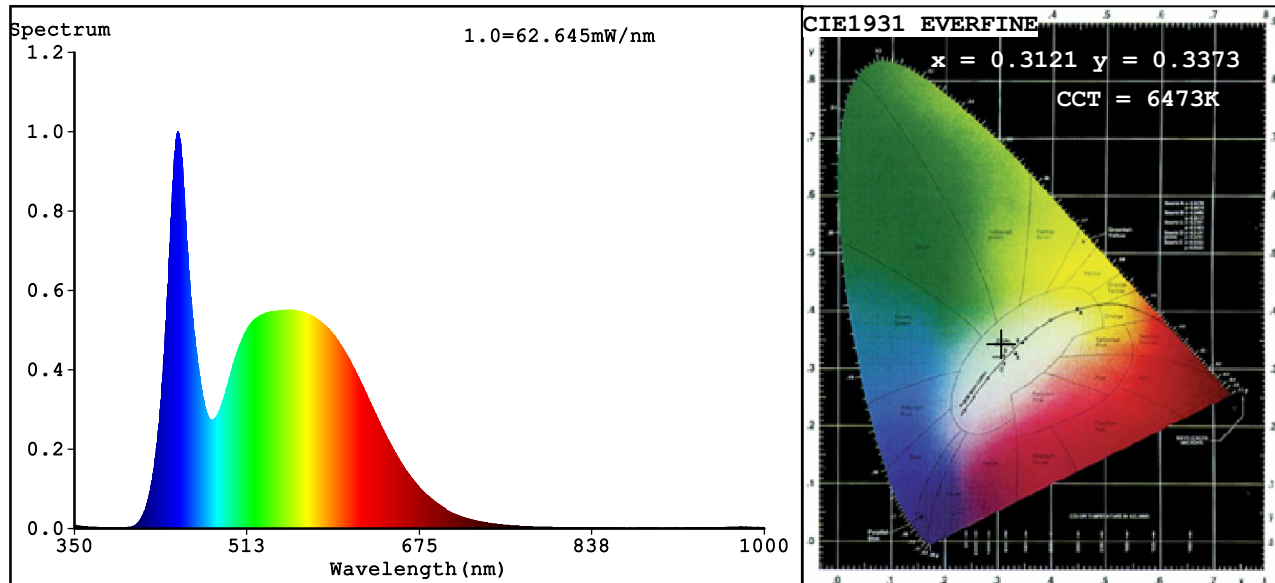
Electrical parameters:

V = 229.92 V I = 0.1903 A P = 24.65 W PF = 0.5634

WHITE:ANSI_6500K

Status: Integral T = 21 ms Ip = 54961 (84%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED447
Date:2018-04-12 11:47
Humidity:65.0%
Remarks:27Q39118004_4403

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3121$ $y=0.3373$ / $u'=0.1944$ $v'=0.4726$

CCT=6473K(Duv=0.0077) Dominant WL:Ld =494.1nm Purity=6.9%

Ratio:R=12.8% G=81.8% B=5.4%;;Peak WL:Lp=447.5nm FWHM=26.5nm

Render Index:Ra=81.1

R1 =78 R2 =84 R3 =90 R4 =82 R5 =80 R6 =80 R7 =87

R8 =67 R9 =0 R10=64 R11=81 R12=62 R13=79 R14=95 R15=72

Photo Parameters:

Flux = 2233 lm Eff. : 89.64 lm/W Fe = 7.140 W

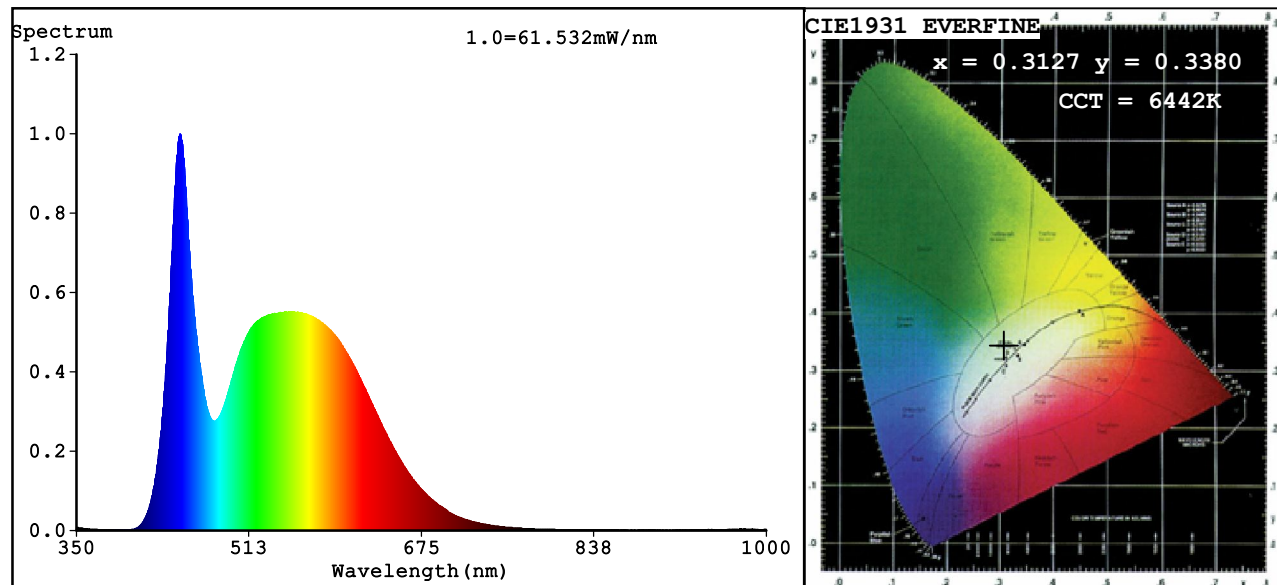
Electrical parameters:

V = 229.92 V I = 0.1919 A P = 24.91 W PF = 0.5646

WHITE:ANSI_6500K

Status: Integral T = 16 ms Ip = 43302 (66%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED447
Date:2018-04-12 11:50
Humidity:65.0%
Remarks:27Q39118004_4403

Spectrum Test Report**Color Parameters:**

Chromaticity Coordinate: $x=0.3127$ $y=0.3380$ $u'=0.1945$ $v'=0.4730$

CCT=6442K (Duv=0.0077) Dominant WL:Ld =494.6nm Purity=6.7%

Ratio:R=12.9% G=81.8% B=5.4%;;Peak WL:Lp=447.6nm FWHM=26.4nm

Render Index:Ra=81.2

R1 =78 R2 =85 R3 =90 R4 =82 R5 =80 R6 =81 R7 =88

R8 =67 R9 =0 R10=64 R11=81 R12=61 R13=79 R14=95 R15=72

Photo Parameters:

Flux = 2198 lm Eff. : 88.02 lm/W Fe = 7.017 W

Electrical parameters:

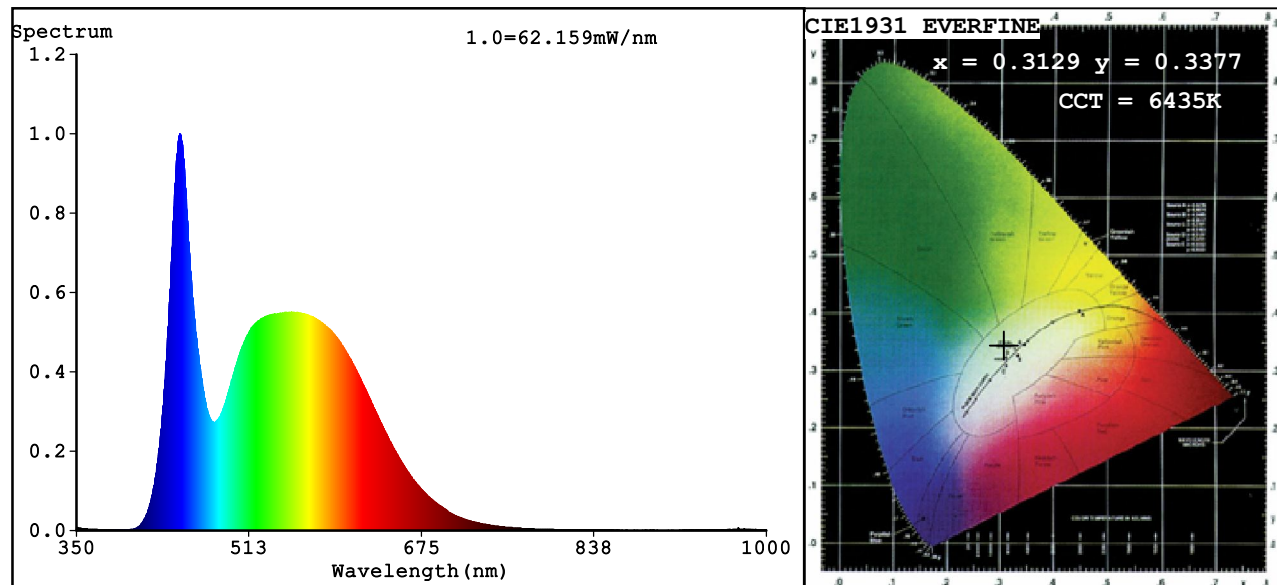
V = 230.00 V I = 0.1922 A P = 24.98 W PF = 0.5649

WHITE:ANSI_6500K

Status: Integral T = 16 ms Ip = 42565 (65%)

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

Number:99LED447
Date:2018-04-12 14:26
Humidity:65.0%
Remarks:27Q39118004_4403

Spectrum Test Report**Color Parameters:**Chromaticity Coordinate: $x=0.3129$ $y=0.3377$ $u'=0.1947$ $v'=0.4729$

CCT=6435K(Duv=0.0075) Dominant WL:Ld =494.4nm Purity=6.7%

Ratio:R=12.9% G=81.8% B=5.3%;;Peak WL:Lp=447.5nm FWHM=26.4nm

Render Index:Ra=81.2

R1 =78 R2 =84 R3 =90 R4 =82 R5 =80 R6 =80 R7 =87

R8 =67 R9 =0 R10=64 R11=81 R12=62 R13=79 R14=95 R15=72

Photo Parameters:

Flux = 2218 lm Eff. : 88.42 lm/W Fe = 7.083 W

Electrical parameters:

V = 229.96 V I = 0.1934 A P = 25.09 W PF = 0.5642

WHITE:ANSI_6500K

Status: Integral T = 16 ms Ip = 42982 (66%)

Model:LED TUBE/24W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARKNumber:99LED447
Date:2018-04-12 14:37
Humidity:65.0%
Remarks:27Q39118004_4403