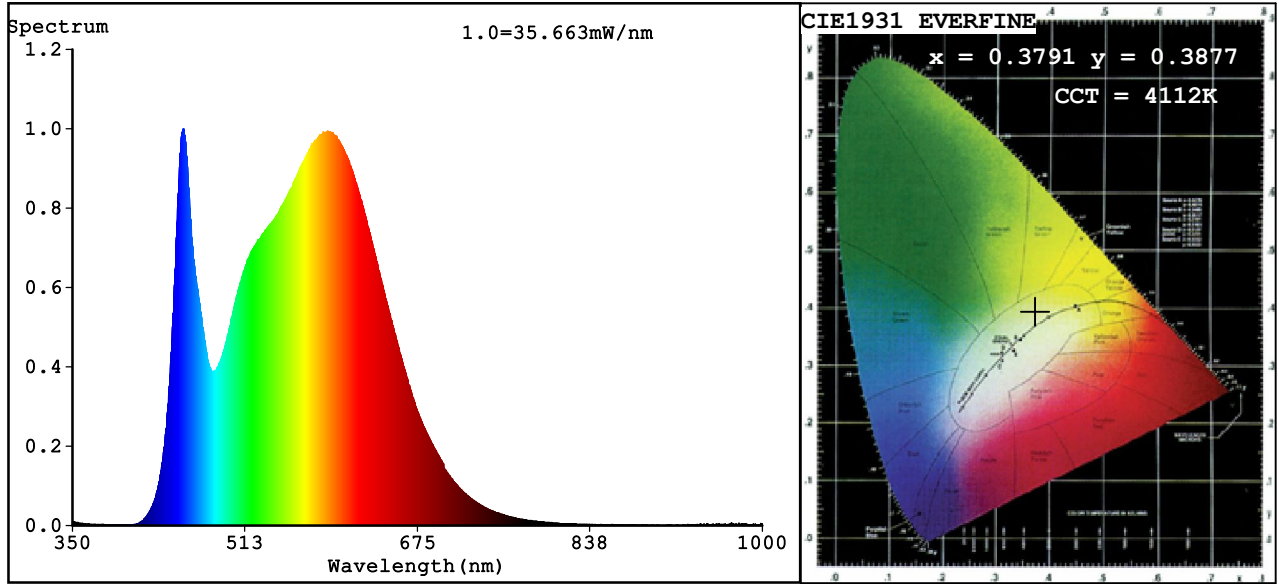


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3791$ $y=0.3877$ / $u'=0.2200$ $v'=0.5061$

CCT=4112K (Duv=0.0054) Dominant WL:Ld =576.0nm Purity=30.1%

Ratio:R=17.6% G=78.3% B=4.1%;; Peak WL:Lp=454.4nm FWHM=28.5nm

Render Index:Ra=83.2

R1 =81 R2 =90 R3 =97 R4 =80 R5 =81 R6 =87 R7 =86

R8 =64 R9 =8 R10=78 R11=79 R12=60 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 2096 lm Eff. : 107.81 lm/W Fe = 6.373 W

Electrical parameters:

V = 229.92 V I = 0.1451 A P = 19.44 W PF = 0.5830

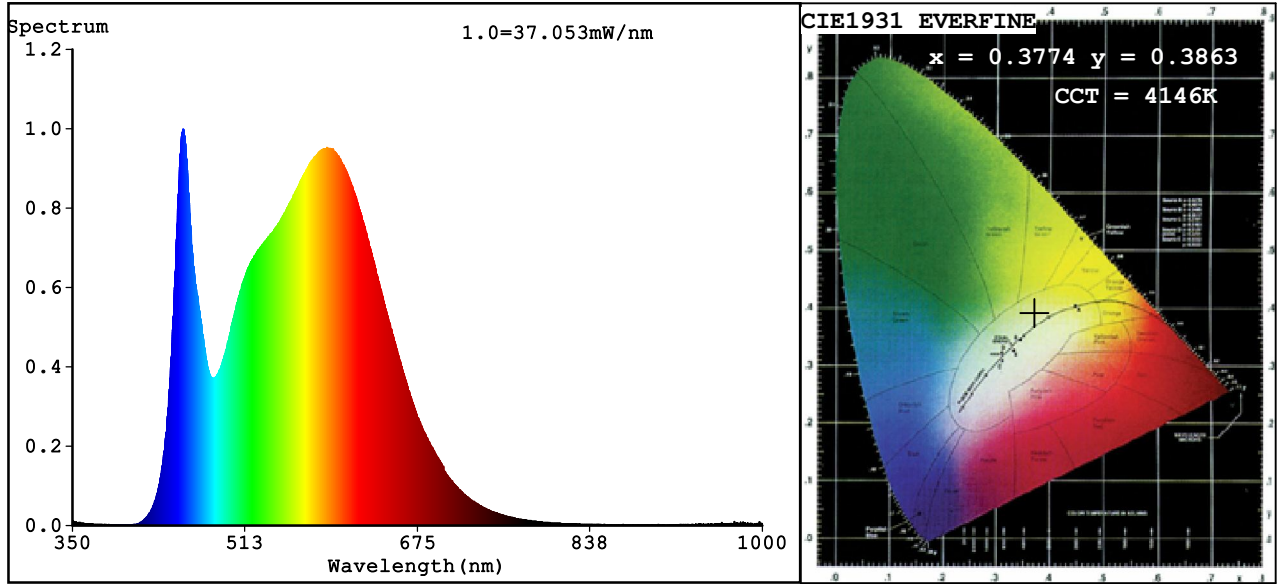
WHITE:ANSI_4000K

Status: Integral T = 19 ms Ip = 34611 (53%)

Model:LED TUBE T5/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED929
Date:2018-02-14 16:07
Humidity:65.0%
Remarks:P171012-1C_4380

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3774$ $y=0.3863$ / $u'=0.2194$ $v'=0.5053$
 CCT=4146K (Duv=0.0053) Dominant WL:Ld =575.8nm Purity=29.2%
 Ratio:R=17.5% G=78.4% B=4.1%; Peak WL:Lp=454.3nm FWHM=27.4nm
 Render Index:Ra=83.2
 R1 =81 R2 =90 R3 =97 R4 =80 R5 =81 R6 =87 R7 =86
 R8 =64 R9 =8 R10=78 R11=79 R12=59 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 2095 lm Eff. : 106.33 lm/W Fe = 6.383 W

Electrical parameters:

V = 229.83 V I = 0.1435 A P = 19.70 W PF = 0.5971

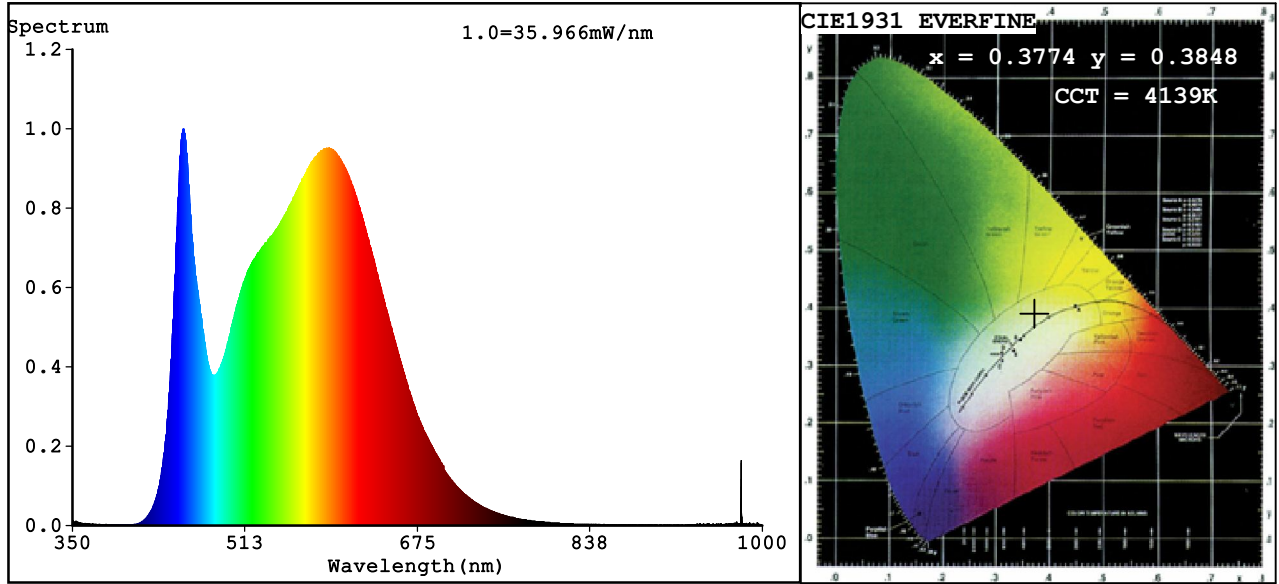
WHITE:ANSI_4000K

Status: Integral T = 19 ms Ip = 34546 (53%)

Model:LED TUBE T5/20W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED929
 Date:2018-02-14 16:08
 Humidity:65.0%
 Remarks:P171012-1C_4380

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3774$ $y=0.3848$ $u'=0.2200$ $v'=0.5046$

CCT=4139K(Duv=0.0046) Dominant WL:Ld =576.2nm Purity=28.7%

Ratio:R=17.6% G=78.2% B=4.2%;;Peak WL:Lp=454.4nm FWHM=28.0nm

Render Index:Ra=83.6

R1 =82	R2 =91	R3 =96	R4 =80	R5 =81	R6 =88	R7 =86	
R8 =65	R9 =10	R10=79	R11=79	R12=60	R13=84	R14=98	R15=75

Photo Parameters:

Flux = 2025 lm Eff. : 106.62 lm/W Fe = 6.197 W

Electrical parameters:

V = 229.87 V I = 0.1383 A P = 18.99 W PF = 0.5975

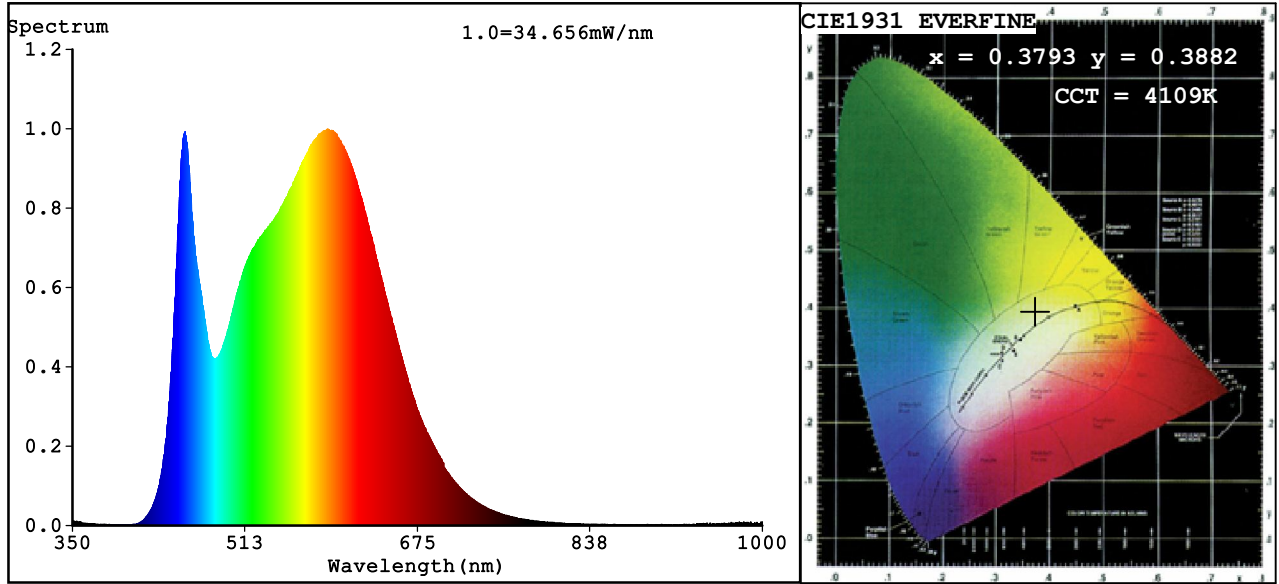
WHITE:ANSI_4000K

Status: Integral T = 19 ms Ip = 33402 (51%)

Model:LED TUBE T5/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED929
Date:2018-02-14 16:10
Humidity:65.0%
Remarks:P171012-1C_4380

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3793$ $y=0.3882$ $u'=0.2199$ $v'=0.5064$

CCT=4109K(Duv=0.0056) Dominant WL:Ld =575.9nm Purity=30.4%

Ratio:R=17.7% G=78.1% B=4.2%;;Peak WL:Lp=590.5nm FWHM=155.6nm

Render Index:Ra=83.4

R1 =81 R2 =91 R3 =96 R4 =79 R5 =81 R6 =88 R7 =86

R8 =64 R9 =10 R10=80 R11=78 R12=61 R13=84 R14=98 R15=74

Photo Parameters:

Flux = 2046 lm Eff. : 106.43 lm/W Fe = 6.248 W

Electrical parameters:

V = 229.86 V I = 0.1434 A P = 19.23 W PF = 0.5834

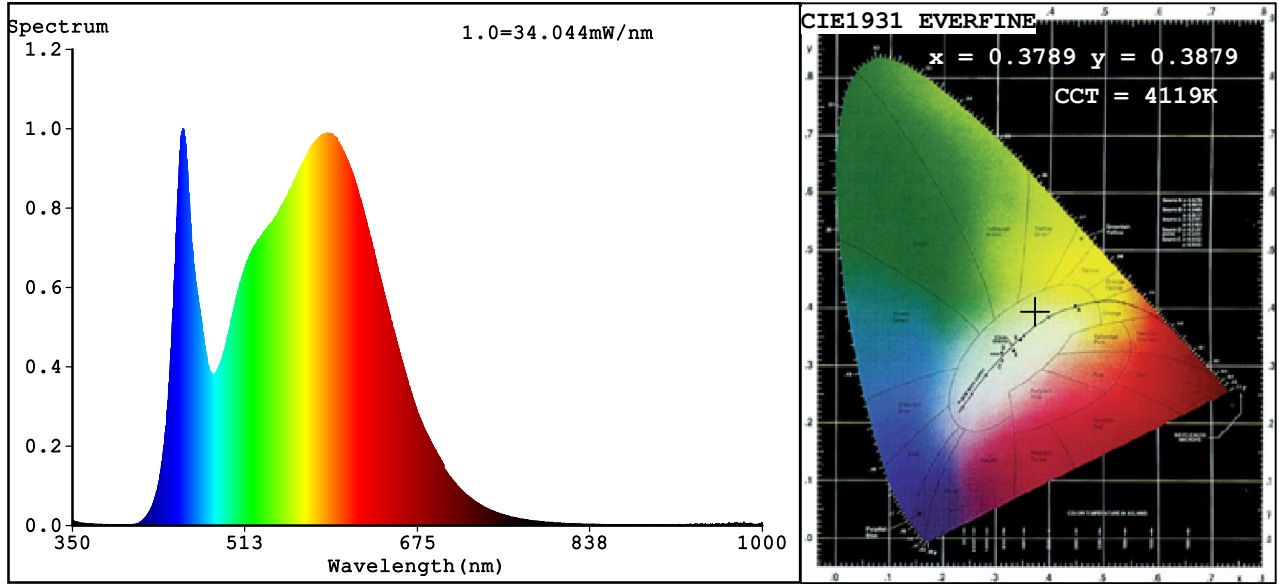
WHITE:ANSI_4000K

Status: Integral T = 19 ms Ip = 33752 (52%)

Model:LED TUBE T5/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED929
Date:2018-02-14 16:12
Humidity:65.0%
Remarks:P171012-1C_4380

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3789$ $y=0.3879$ / $u'=0.2198$ $v'=0.5062$

CCT=4119K (Duv=0.0056) Dominant WL:Ld =575.8nm Purity=30.1%

Ratio:R=17.5% G=78.4% B=4.0%; Peak WL:Lp=454.3nm FWHM=28.1nm

Render Index:Ra=83.1

R1 =81 R2 =90 R3 =97 R4 =80 R5 =80 R6 =87 R7 =86

R8 =64 R9 =8 R10=77 R11=79 R12=60 R13=83 R14=98 R15=74

Photo Parameters:

Flux = 1996 lm Eff. : 102.04 lm/W Fe = 6.064 W

Electrical parameters:

V = 229.91 V I = 0.1453 A P = 19.56 W PF = 0.5856

WHITE:ANSI_4000K

Status: Integral T = 19 ms Ip = 33001 (50%)

Model:LED TUBE T5/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED929
Date:2018-02-14 16:15
Humidity:65.0%
Remarks:P171012-1C_4380