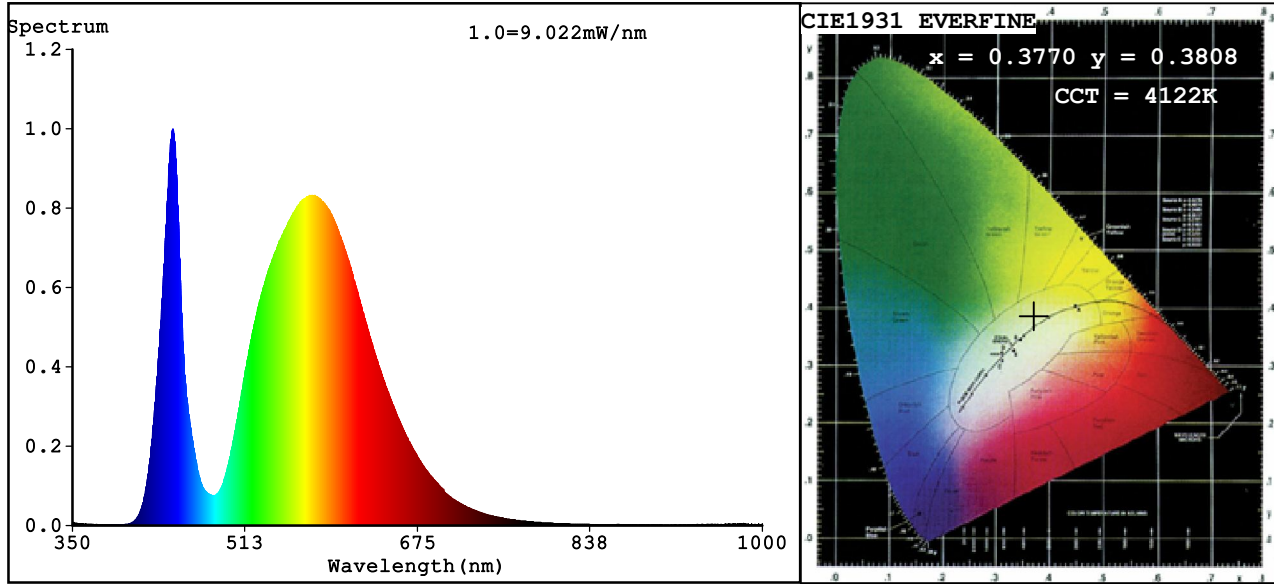


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3770$ $y=0.3808$ $u'=0.2212$ $v'=0.5029$
 CCT=4122K(Duv=0.0029) Dominant WL:Ld =577.0nm Purity=27.4%
 Ratio:R=15.6% G=82.5% B=1.9%;;Peak WL:Lp=444.8nm FWHM=20.5nm
 Render Index:Ra=66.8
 R1 =63 R2 =73 R3 =80 R4 =67 R5 =63 R6 =61 R7 =78
 R8 =49 R9 =0 R10=35 R11=61 R12=34 R13=64 R14=88 R15=57

Photo Parameters:

Flux = 418.3 lm Eff. : 46.61 lm/W Fe = 1.196 W

Electrical parameters:

V = 11.845 V I = 1.220 A P = 8.976 W PF = 0.6212

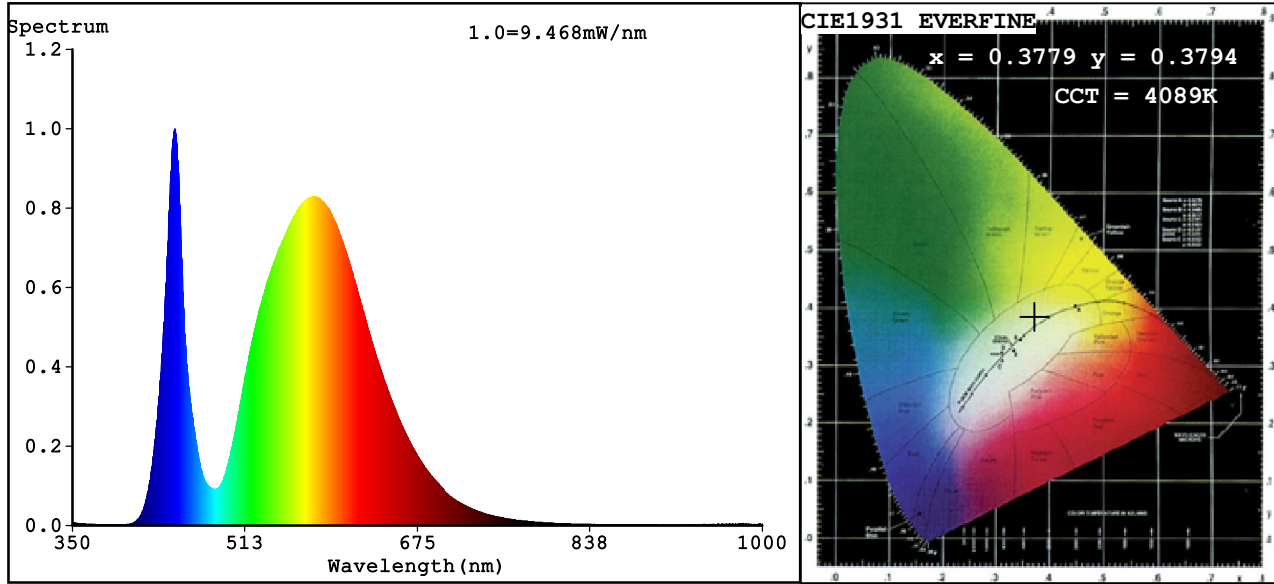
WHITE:ANSI_4000K

Status: Integral T = 87 ms Ip = 47633 (73%)

Model:UNDERWATER LED LIGHTS/7x1W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98LED007SW
 Date:2016-12-12 16:35
 Humidity:65.0%
 Remarks:016V037B_3303

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3779$ $y=0.3794$ $u'=0.2224$ $v'=0.5024$

CCT=4089K(Duv=0.0020) Dominant WL:Ld =577.6nm Purity=27.3%

Ratio:R=15.8% G=82.0% B=2.1%;;Peak WL:Lp=446.6nm FWHM=19.5nm

Render Index:Ra=68.0

R1 =64	R2 =75	R3 =82	R4 =67	R5 =64	R6 =63	R7 =79	
R8 =50	R9 =0	R10=39	R11=61	R12=35	R13=66	R14=90	R15=59

Photo Parameters:

Flux = 434.5 lm Eff. : 45.58 lm/W Fe = 1.247 W

Electrical parameters:

V = 11.813 V I = 1.311 A P = 9.533 W PF = 0.6156

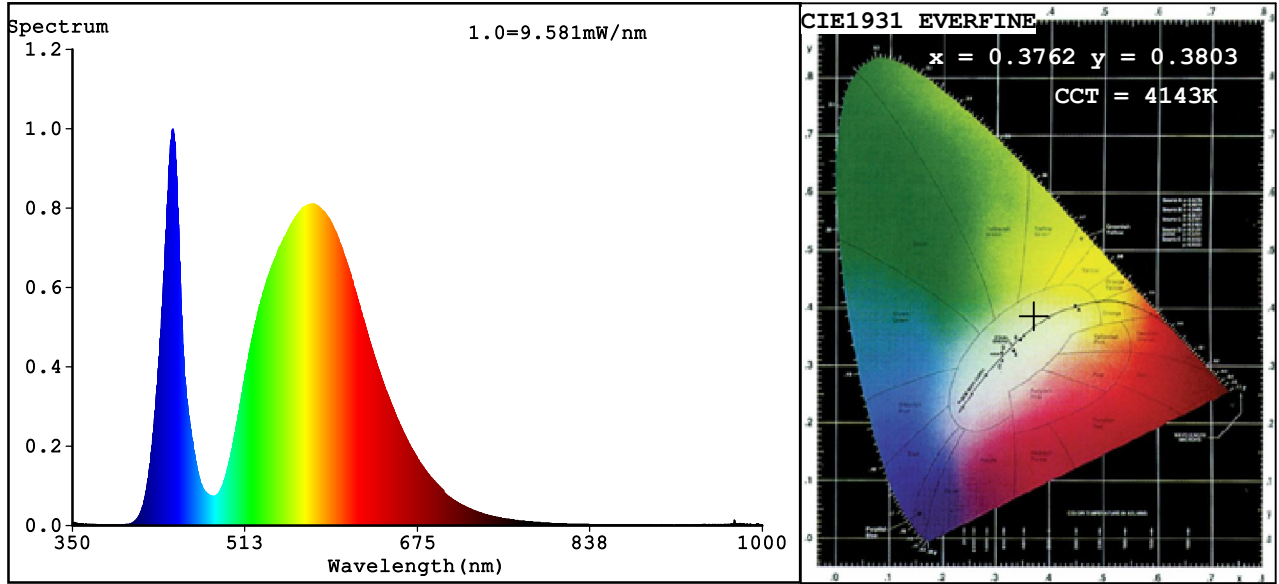
WHITE:ANSI_4000K

Status: Integral T = 87 ms Ip = 49731 (76%)

Model:UNDERWATER LED LIGHTS/7x1W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98LED007SW
Date:2016-12-12 16:39
Humidity:65.0%
Remarks:016V037B_3303

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3762$ $y=0.3803$ $u'=0.2209$ $v'=0.5025$

CCT=4143K(Duv=0.0029) Dominant WL:Ld =576.9nm Purity=27.0%

Ratio:R=15.5% G=82.5% B=2.0%;;Peak WL:Lp=444.8nm FWHM=19.9nm

Render Index:Ra=66.9

R1 =64	R2 =73	R3 =80	R4 =67	R5 =63	R6 =61	R7 =78	
R8 =49	R9 =0	R10=35	R11=61	R12=34	R13=64	R14=88	R15=58

Photo Parameters:

Flux = 433.5 lm Eff. : 49.49 lm/W Fe = 1.240 W

Electrical parameters:

V = 11.787 V I = 1.208 A P = 8.759 W PF = 0.6150

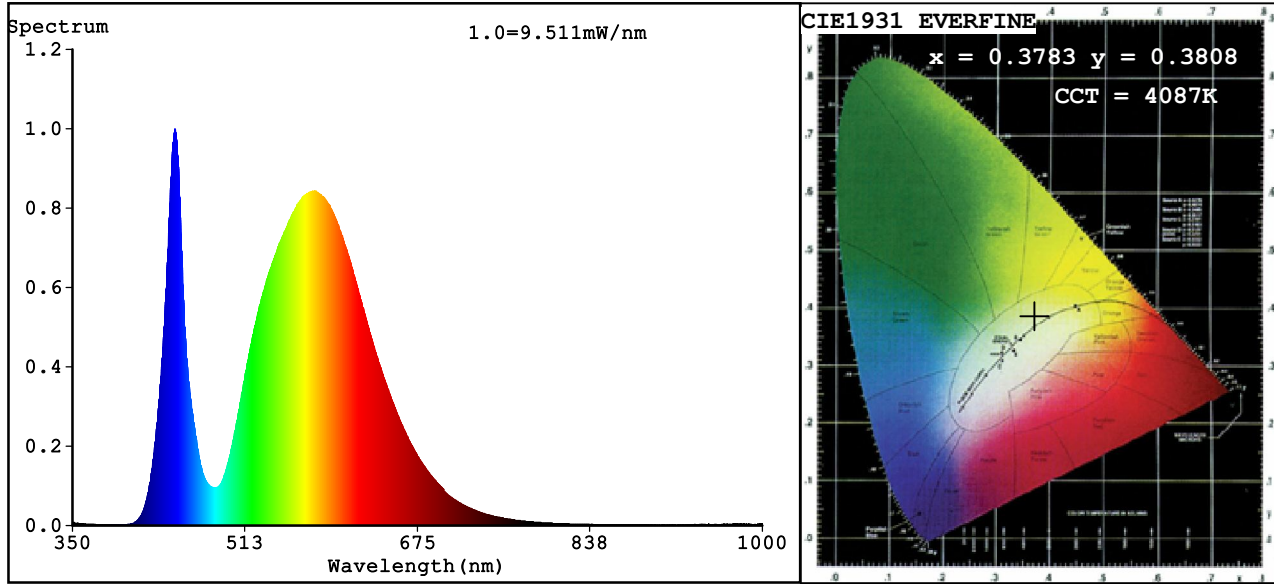
WHITE:ANSI_4000K

Status: Integral T = 87 ms Ip = 49695 (76%)

Model:UNDERWATER LED LIGHTS/7x1W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98LED007SW
Date:2016-12-12 16:42
Humidity:65.0%
Remarks:016V037B_3303

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3783$ $y=0.3808$ $u'=0.2221$ $v'=0.5030$
 CCT=4087K(Duv=0.0025) Dominant WL:Ld =577.4nm Purity=27.8%
 Ratio:R=15.8% G=82.1% B=2.2%;;Peak WL:Lp=446.6nm FWHM=19.5nm
 Render Index:Ra=67.9
 R1 =64 R2 =75 R3 =82 R4 =67 R5 =64 R6 =63 R7 =79
 R8 =49 R9 =0 R10=39 R11=60 R12=34 R13=65 R14=90 R15=58

Photo Parameters:

Flux = 443.5 lm Eff. : 47.13 lm/W Fe = 1.267 W

Electrical parameters:

V = 11.777 V I = 1.305 A P = 9.410 W PF = 0.6121

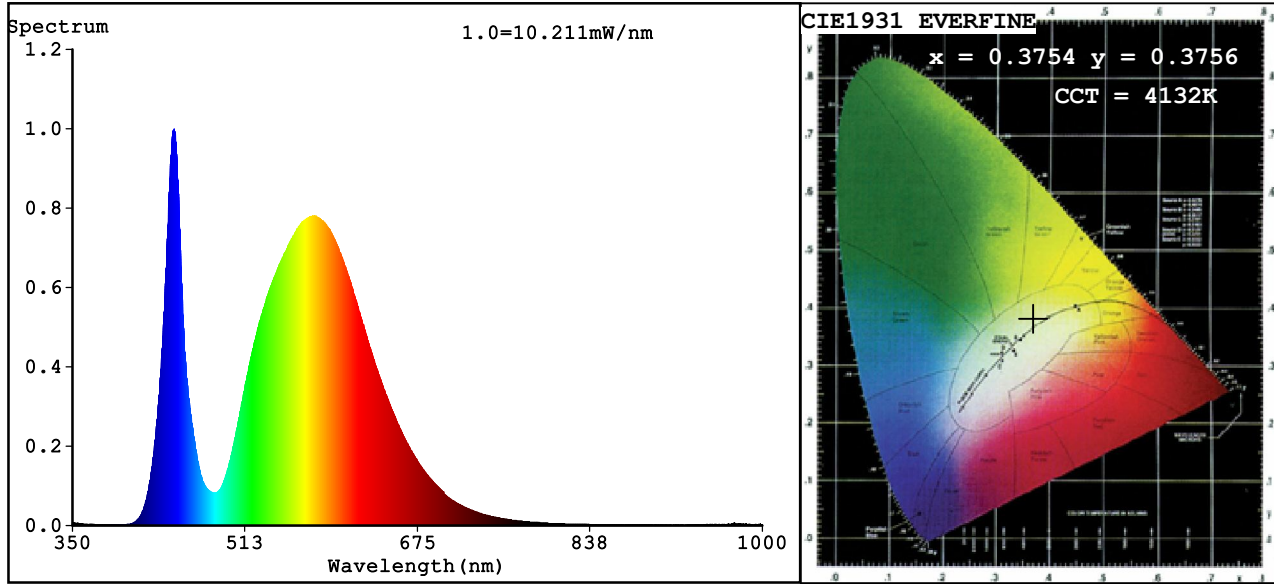
WHITE:ANSI_4000K

Status: Integral T = 87 ms Ip = 50840 (78%)

Model:UNDERWATER LED LIGHTS/7x1W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:98LED007SW
 Date:2016-12-12 16:44
 Humidity:65.0%
 Remarks:016V037B_3303

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3754$ $y=0.3756$ $u'=0.2222$ $v'=0.5003$

CCT=4132K(Duv=0.0010) Dominant WL:Ld =578.0nm Purity=25.4%

Ratio:R=15.8% G=82.1% B=2.1%;;Peak WL:Lp=445.8nm FWHM=19.0nm

Render Index:Ra=67.8

R1 =64 R2 =74 R3 =81 R4 =67 R5 =64 R6 =63 R7 =79

R8 =50 R9 =0 R10=39 R11=61 R12=35 R13=65 R14=89 R15=59

Photo Parameters:

Flux = 440.6 lm Eff. : 46.97 lm/W Fe = 1.269 W

Electrical parameters:

V = 11.772 V I = 1.307 A P = 9.380 W PF = 0.6097

WHITE:ANSI_4000K

Status: Integral T = 69 ms Ip = 42133 (64%)

Model:UNDERWATER LED LIGHTS/7x1W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98LED007SW
Date:2016-12-12 16:46
Humidity:65.0%
Remarks:016V037B_3303