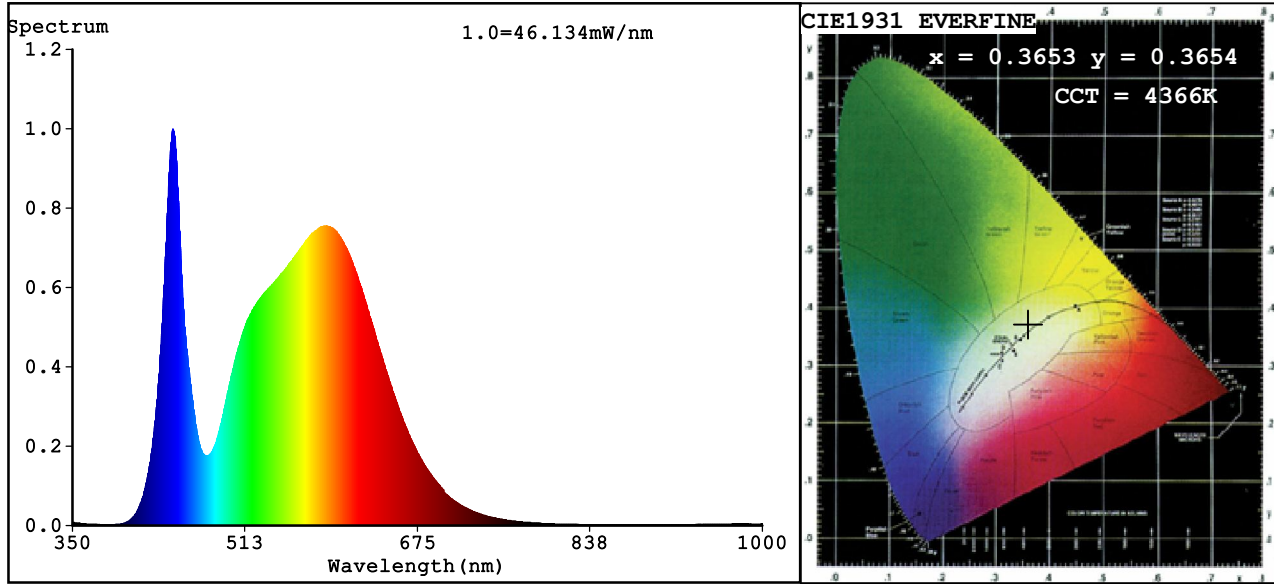


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3653$   $y=0.3654$   $u'=0.2196$   $v'=0.4942$   
 CCT=4366K(Duv=-0.0007) Dominant WL:Ld =578.0nm Purity=19.2%  
 Ratio:R=16.9% G=79.7% B=3.4%;;Peak WL:Lp=444.5nm FWHM=21.6nm  
 Render Index:Ra=80.1  
 R1 =79 R2 =84 R3 =89 R4 =81 R5 =79 R6 =79 R7 =84  
 R8 =64 R9 =0 R10=64 R11=81 R12=62 R13=79 R14=94 R15=73

**Photo Parameters:**

Flux = 2067 lm Eff. : 97.32 lm/W Fe = 6.355 W

**Electrical parameters:**

V = 220.06 V I = 0.1044 A P = 21.23 W PF = 0.9242

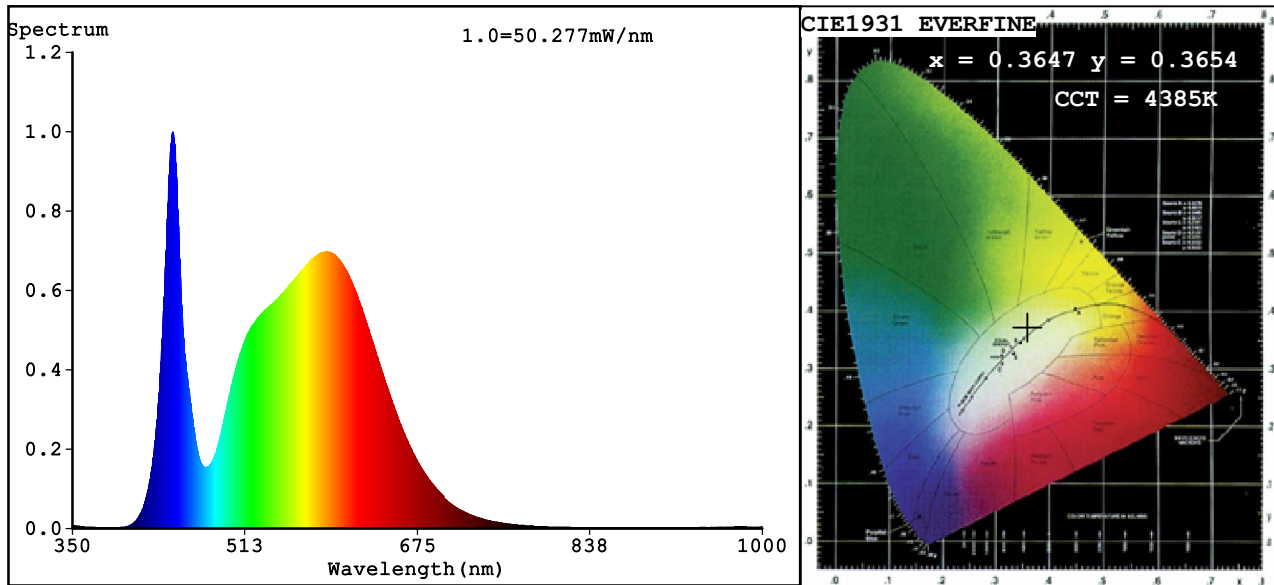
WHITE:ANSI\_4500K

Status: Integral T = 24 ms Ip = 47382 (72%)

Model:RDL60COB/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:92DL62040  
 Date:2018-05-18 09:48  
 Humidity:65.0%  
 Remarks:017V063B\_4395

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3647$   $y=0.3654$   $u'=0.2192$   $v'=0.4941$

CCT=4385K(Duv=-0.0005) Dominant WL:Ld =577.8nm Purity=19.1%

Ratio:R=16.9% G=79.7% B=3.3%;;Peak WL:Lp=444.5nm FWHM=19.4nm

Render Index:Ra=80.2

R1 =79      R2 =84      R3 =89      R4 =81      R5 =80      R6 =79      R7 =85

R8 =65      R9 =1      R10=63      R11=82      R12=62      R13=80      R14=94      R15=73

**Photo Parameters:**

Flux = 2093 lm    Eff. : 98.35 lm/W    Fe = 6.415 W

**Electrical parameters:**

V = 220.05 V      I = 0.1047 A      P = 21.28 W PF = 0.9241

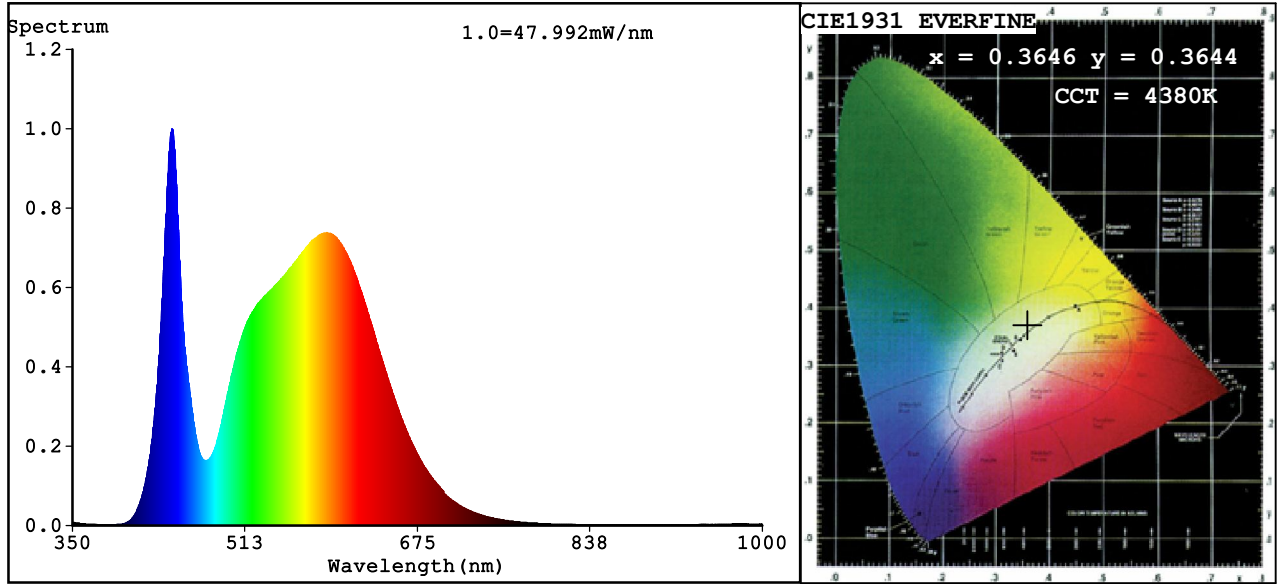
WHITE:ANSI\_4500K

Status: Integral T = 24 ms Ip = 51469 (79%)

Model:RDL60COB/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:92DL62040  
Date:2018-05-18 09:57  
Humidity:65.0%  
Remarks:017V063B\_4395

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3646$   $y=0.3644$   $u'=0.2195$   $v'=0.4937$   
CCT=4380K(Duv=-0.0009) Dominant WL:Ld =578.1nm Purity=18.8%  
Ratio:R=17.0% G=79.7% B=3.3%;;Peak WL:Lp=443.8nm FWHM=21.2nm  
Render Index:Ra=80.1  
R1 =79    R2 =84    R3 =89    R4 =81    R5 =80    R6 =79    R7 =84  
R8 =65    R9 =2    R10=63    R11=82    R12=63    R13=79    R14=94    R15=73

**Photo Parameters:**

Flux = 2109 lm    Eff. : 98.18 lm/W    Fe = 6.506 W

**Electrical parameters:**

V = 220.07 V    I = 0.1057 A    P = 21.48 W PF = 0.9239

WHITE:ANSI\_4500K

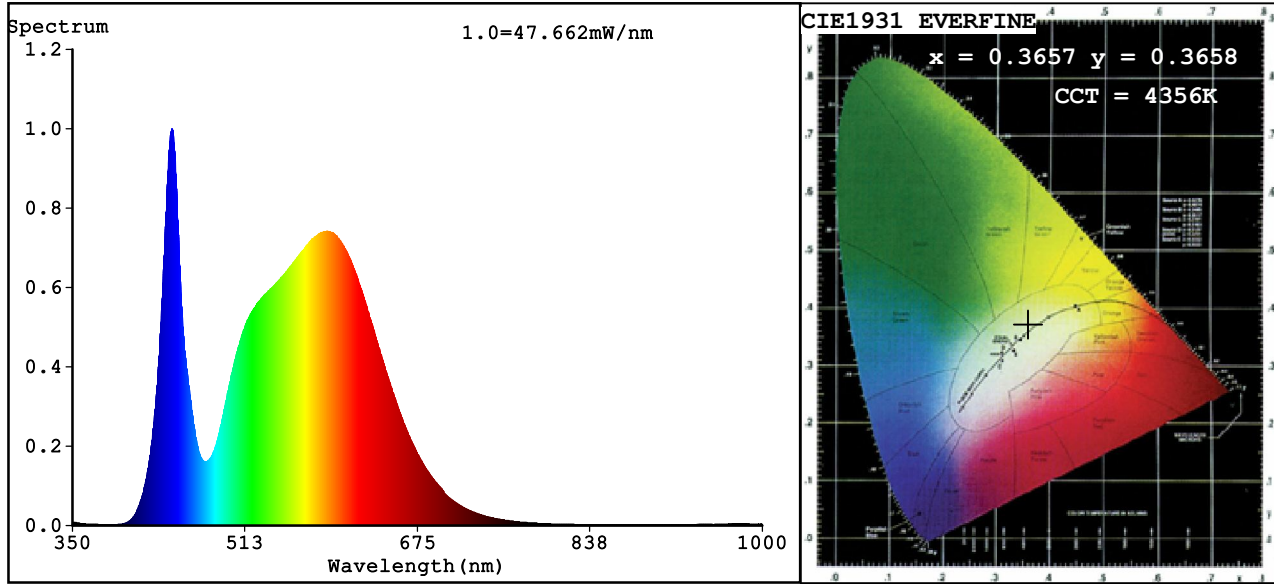
Status: Integral T = 24 ms    Ip = 49129 (75%)

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Model:RDL60COB/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:92DL62040  
Date:2018-05-18 10:31  
Humidity:65.0%  
Remarks:017V063B\_4395

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3657$   $y=0.3658$   $u'=0.2197$   $v'=0.4944$

CCT=4356K(Duv=-0.0006) Dominant WL:Ld =578.0nm Purity=19.5%

Ratio:R=17.0% G=79.7% B=3.3%;;Peak WL:Lp=443.8nm FWHM=20.9nm

Render Index:Ra=80.0

R1 =79	R2 =84	R3 =89	R4 =81	R5 =80	R6 =79	R7 =84	
R8 =64	R9 =1	R10=63	R11=82	R12=63	R13=79	R14=94	R15=73

**Photo Parameters:**

Flux = 2106 lm Eff. : 98.95 lm/W Fe = 6.479 W

**Electrical parameters:**

V = 220.08 V I = 0.1047 A P = 21.28 W PF = 0.9237

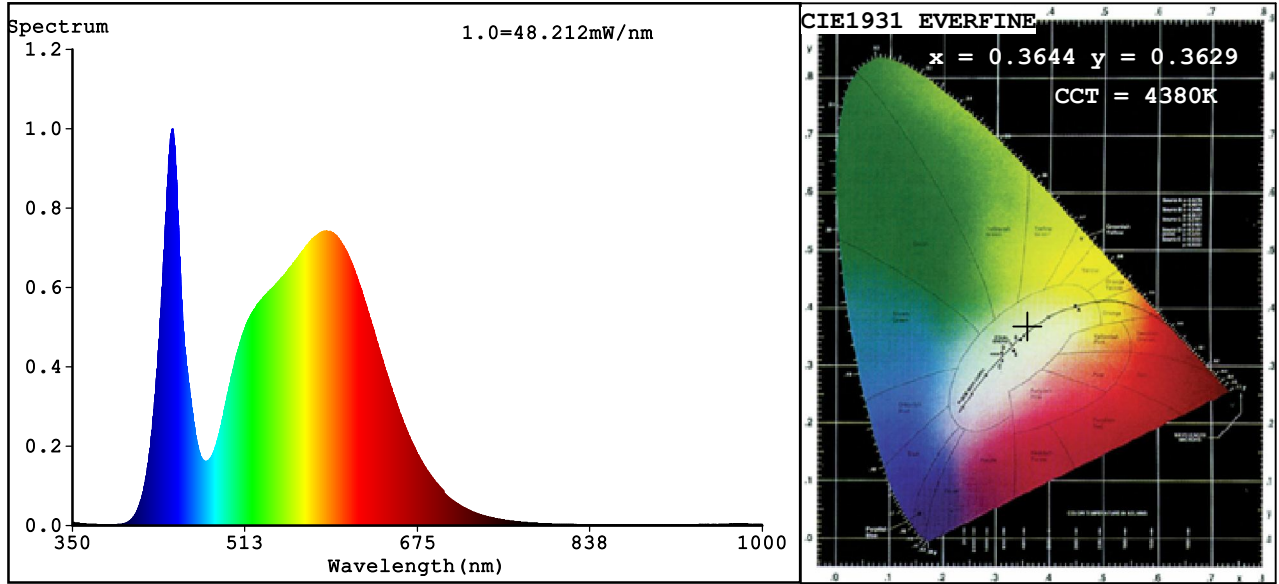
WHITE:ANSI\_4500K

Status: Integral T = 24 ms Ip = 48752 (74%)

Model:RDL60COB/20W  
Tester:Petya Marinova  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:92DL62040  
Date:2018-05-18 10:36  
Humidity:65.0%  
Remarks:017V063B\_4395

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3644$   $y=0.3629$   $u'=0.2200$   $v'=0.4929$   
 CCT=4380K(Duv=-0.0016) Dominant WL:Ld =578.7nm Purity=18.2%  
 Ratio:R=17.0% G=79.7% B=3.3%;;Peak WL:Lp=444.5nm FWHM=22.1nm  
 Render Index:Ra=80.1  
 R1 =79 R2 =84 R3 =89 R4 =81 R5 =80 R6 =79 R7 =84  
 R8 =65 R9 =2 R10=63 R11=82 R12=64 R13=80 R14=94 R15=73

**Photo Parameters:**

Flux = 2126 lm Eff. : 98.83 lm/W Fe = 6.580 W

**Electrical parameters:**

V = 220.07 V I = 0.1054 A P = 21.52 W PF = 0.9276

WHITE:ANSI\_4500K

Status: Integral T = 24 ms Ip = 49336 (75%)

Model:RDL60COB/20W  
 Tester:Petya Marinova  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:92DL62040  
 Date:2018-05-18 10:42  
 Humidity:65.0%  
 Remarks:017V063B\_4395