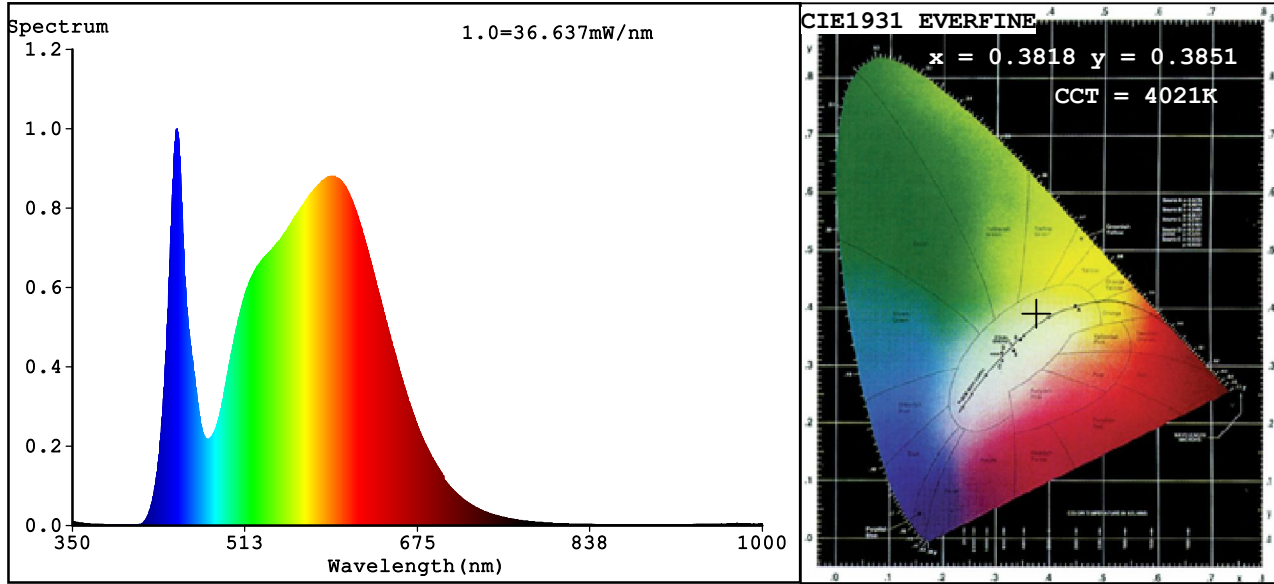


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3818$ $y=0.3851/u'=0.2227$ $v'=0.5054$

CCT=4021K(Duv=0.0034) Dominant WL:Ld =577.3nm Purity=30.2%

Ratio:R=18.0% G=78.7% B=3.3%;;Peak WL:Lp=448.6nm FWHM=20.0nm

Render Index:Ra=82.4

R1 =80	R2 =87	R3 =93	R4 =83	R5 =80	R6 =82	R7 =87		
R8 =66	R9 =8	R10=70	R11=82	R12=60	R13=82	R14=96	R15=74	

Photo Parameters:

Flux = 1913 lm Eff. : 88.27 lm/W Fe = 5.769 W

Electrical parameters:

V = 219.93 V I = 0.1074 A P = 21.67 W PF = 0.9174

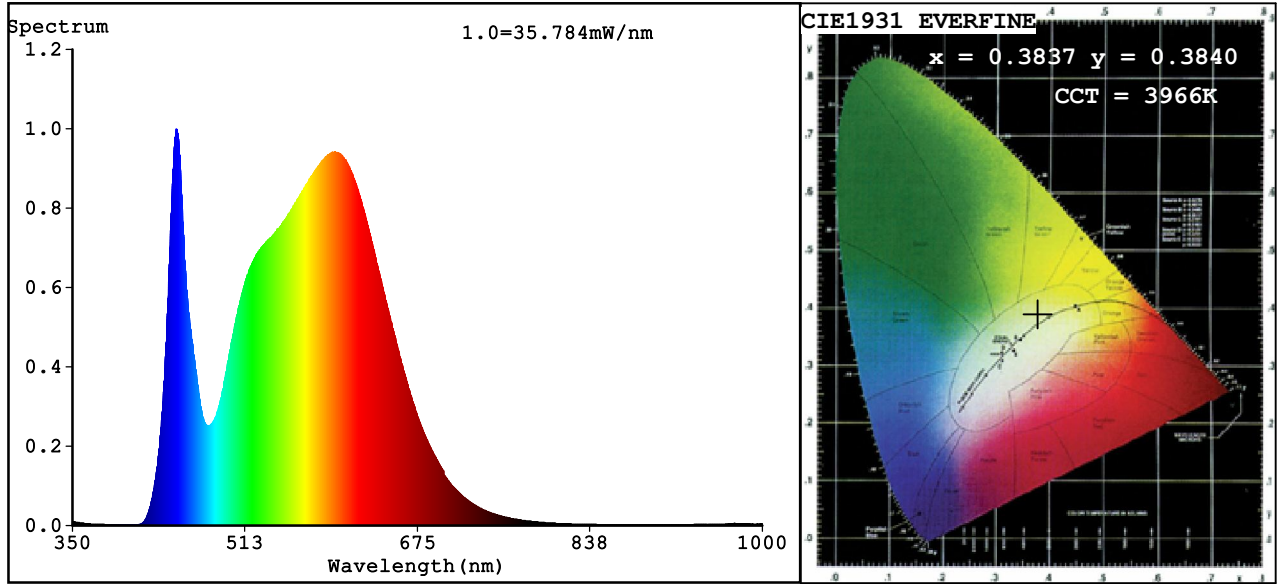
WHITE:ANSI_4000K

Status: Integral T = 30 ms Ip = 50243 (77%)

Model:BELLA Luminaire SMD2835/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:9BR20LED
Date:2017-02-27 13:34
Humidity:65.0%
Remarks:JY16212_3475

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3837$ $y=0.3840$ / $u'=0.2244$ $v'=0.5052$

CCT=3966K (Duv=0.0024) Dominant WL:Ld =578.0nm Purity=30.4%

Ratio:R=18.5% G=78.2% B=3.4%;; Peak WL:Lp=447.9nm FWHM=22.1nm

Render Index:Ra=83.7

R1 =82	R2 =88	R3 =94	R4 =84	R5 =82	R6 =84	R7 =88		
R8 =67	R9 =13	R10=73	R11=84	R12=63	R13=83	R14=96	R15=76	

Photo Parameters:

Flux = 1978 lm Eff. : 95.90 lm/W Fe = 6.017 W

Electrical parameters:

V = 220.04 V I = 0.1029 A P = 20.62 W PF = 0.9104

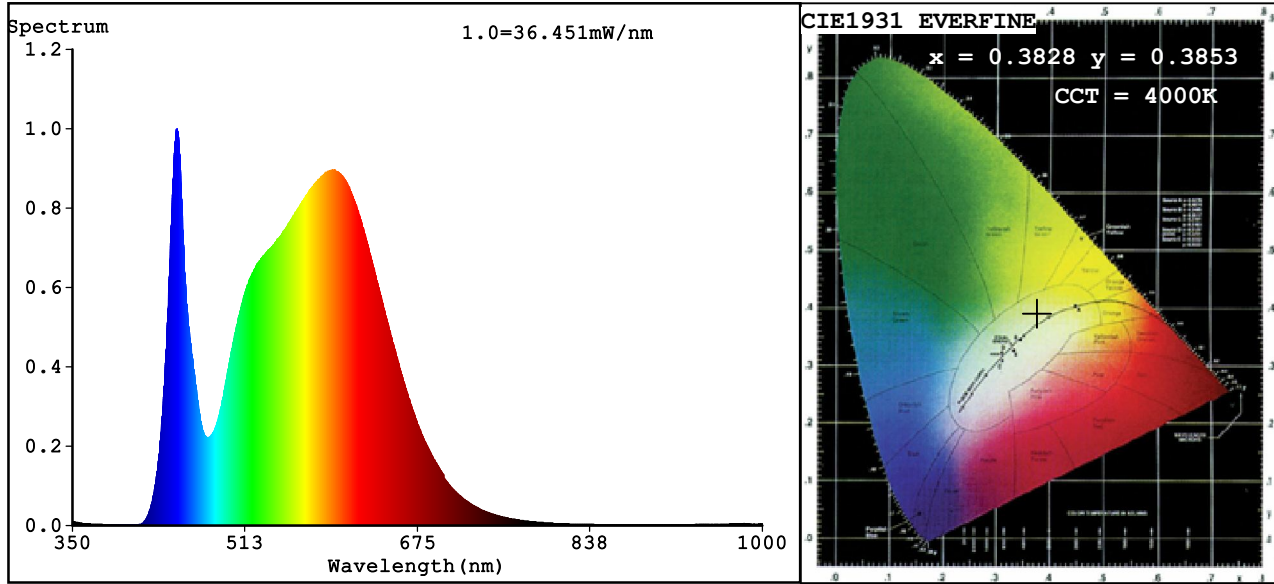
WHITE:ANSI_4000K

Status: Integral T = 30 ms Ip = 51976 (79%)

Model:BELLA Luminaire SMD2835/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:9BR20LED
Date:2017-02-27 14:16
Humidity:65.0%
Remarks:JY16212_3475

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3828$ $y=0.3853$ $u'=0.2233$ $v'=0.5056$
 CCT=4000K(Duv=0.0033) Dominant WL:Ld =577.4nm Purity=30.5%
 Ratio:R=18.1% G=78.6% B=3.3%;;Peak WL:Lp=448.6nm FWHM=20.3nm
 Render Index:Ra=82.5
 R1 =81 R2 =87 R3 =93 R4 =83 R5 =81 R6 =83 R7 =87
 R8 =66 R9 =9 R10=70 R11=82 R12=60 R13=82 R14=96 R15=74

Photo Parameters:

Flux = 1930 lm Eff. : 88.62 lm/W Fe = 5.824 W

Electrical parameters:

V = 220.05 V I = 0.1081 A P = 21.78 W PF = 0.9156

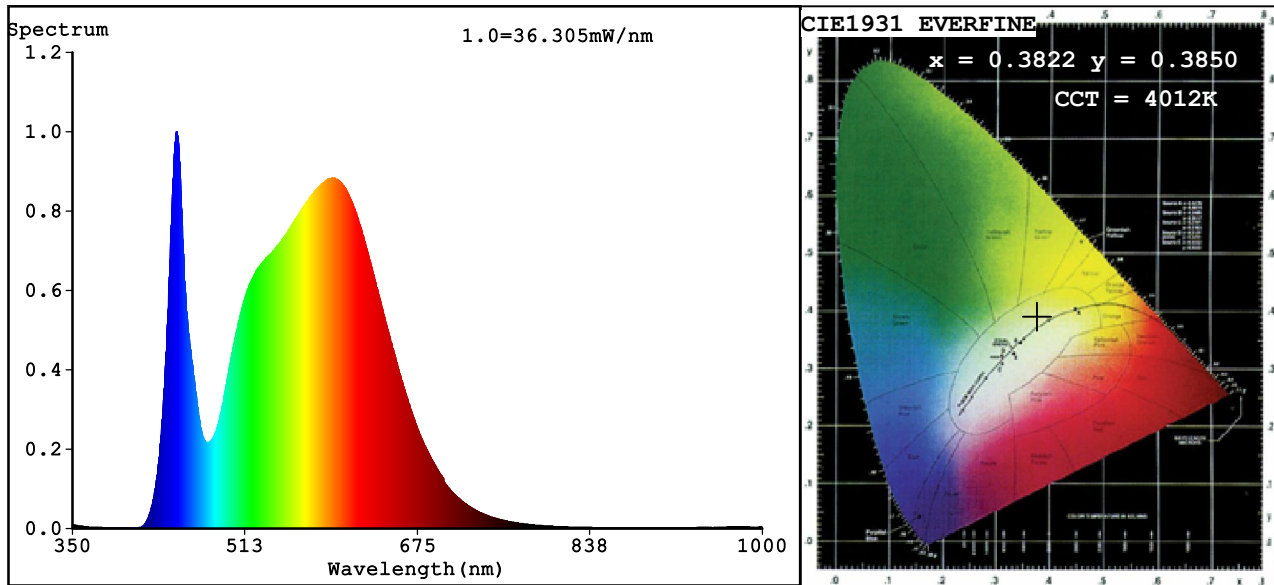
WHITE:ANSI_4000K

Status: Integral T = 30 ms Ip = 50776 (77%)

Model:BELLA Luminaire SMD2835/20W
 Tester:Petya Marinova
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:9BR20LED
 Date:2017-02-27 14:31
 Humidity:65.0%
 Remarks:JY16212_3475

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3822$ $y=0.3850$ $u'=0.2230$ $v'=0.5054$

CCT=4012K (Duv=0.0033) Dominant WL:Ld =577.4nm Purity=30.3%

Ratio:R=18.1% G=78.7% B=3.3%;; Peak WL:Lp=447.9nm FWHM=20.0nm

Render Index:Ra=82.5

R1 =81	R2 =87	R3 =93	R4 =83	R5 =81	R6 =83	R7 =87		
R8 =66	R9 =9	R10=70	R11=82	R12=60	R13=82	R14=96	R15=74	

Photo Parameters:

Flux = 1899 lm Eff. : 89.43 lm/W Fe = 5.728 W

Electrical parameters:

V = 220.05 V I = 0.1059 A P = 21.23 W PF = 0.9115

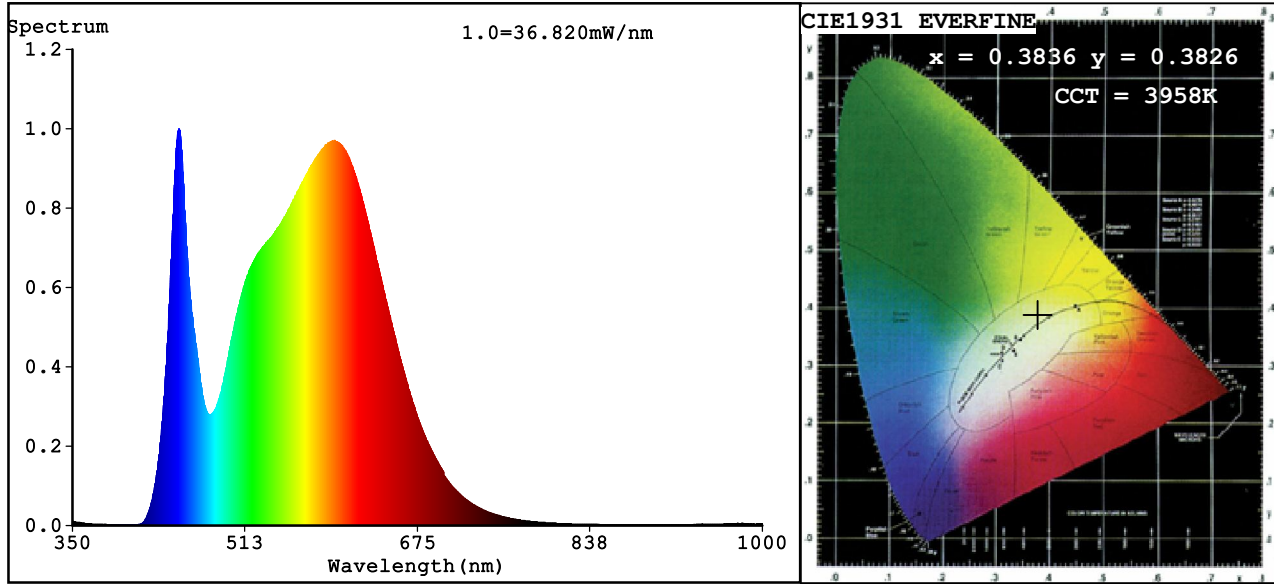
WHITE:ANSI_4000K

Status: Integral T = 30 ms Ip = 49865 (76%)

Model:BELLA Luminaire SMD2835/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:9BR20LED
Date:2017-02-27 14:43
Humidity:65.0%
Remarks:JY16212_3475

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3836$ $y=0.3826$ $u'=0.2249$ $v'=0.5046$

CCT=3958K (Duv=0.0018) Dominant WL:Ld =578.3nm Purity=29.9%

Ratio:R=18.5% G=78.0% B=3.5%;; Peak WL:Lp=450.3nm FWHM=24.0nm

Render Index:Ra=83.7

R1 =82	R2 =89	R3 =95	R4 =83	R5 =82	R6 =85	R7 =87	
R8 =66	R9 =12	R10=75	R11=82	R12=63	R13=84	R14=97	R15=76

Photo Parameters:

Flux = 2072 lm Eff. : 98.76 lm/W Fe = 6.303 W

Electrical parameters:

V = 220.07 V I = 0.1051 A P = 20.98 W PF = 0.9075

WHITE:ANSI_4000K

Status: Integral T = 30 ms Ip = 55224 (84%)

Model:BELLA Luminaire SMD2835/20W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:9BR20LED
Date:2017-02-27 14:56
Humidity:65.0%
Remarks:JY16212_3475