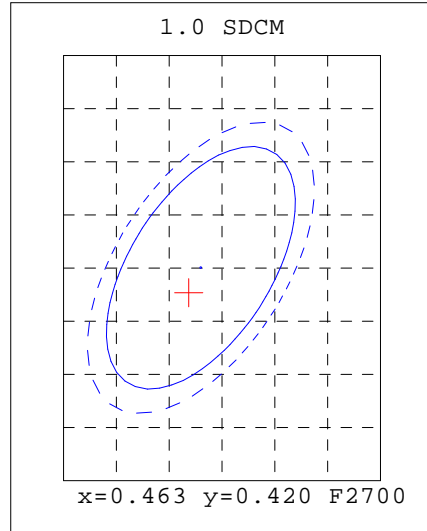
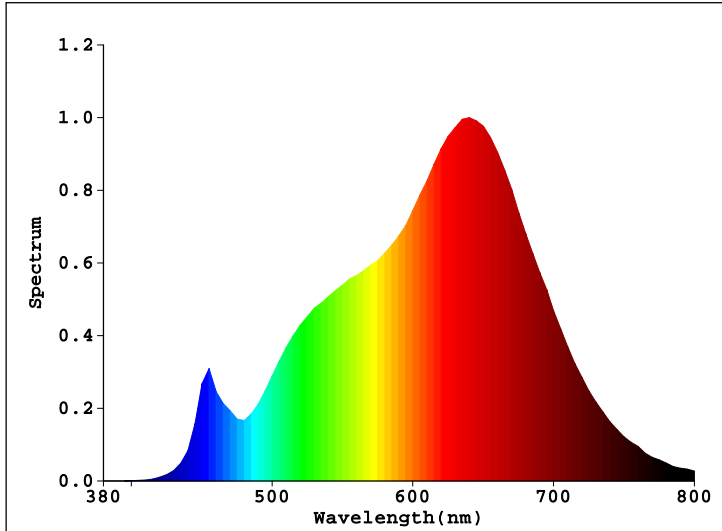


**ZL-G45-4W27B22C**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4619$   $y=0.4176$  /  $u'=0.2606$   $v'=0.5303$   
Tc=2726K Dominant WL:Ld=583.3nm Purity=64.0% Centroid WL:619.0nm  
Ratio:R=28.4% G=69.5% B=2.1% Peak WL:Lp=640.0nm HWL:159.5nm  
Render Index:Ra=98.2  
R1 =99 R2 =99 R3 =94 R4 =98 R5 =99 R6 =98 R7 =99  
R8 =99 R9 =95 R10=95 R11=96 R12=95 R13=99 R14=96 R15=99

**Photo Parameters:**

Flux: 332.49 lm Fe: 1.3448 W Efficacy:80.89 lm/W  
LEVEL: WHITE:OUT

**Electrical Parameters:**

Luminaire: U=241.7V I=0.01801A P=4.132W PF=0.9489

*Instrument Status:*

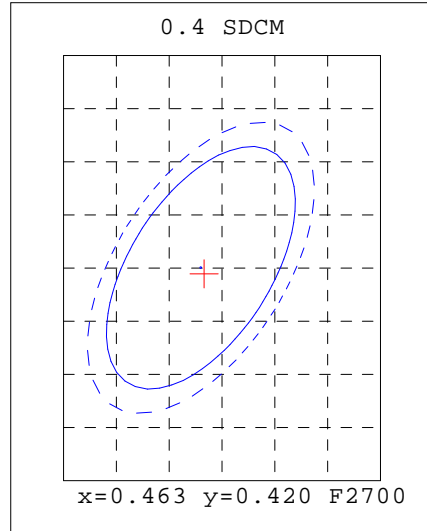
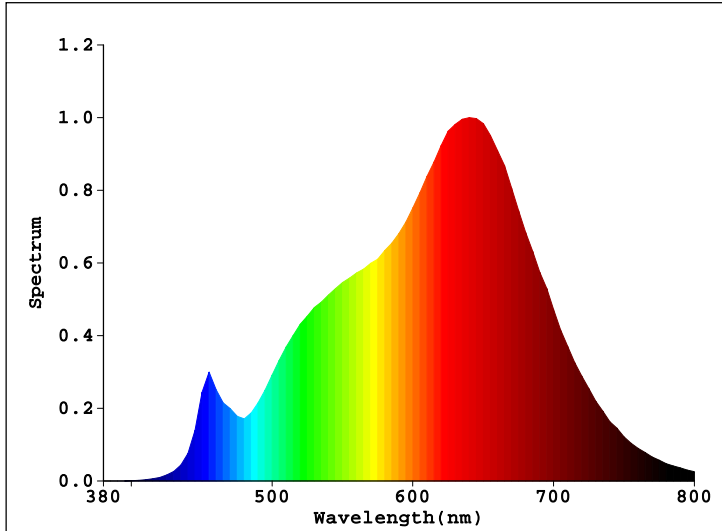
Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  $I_p=19201(G=5,D=73)$   
REF=11665(R=4) %=-0.267% PMT: 35.2 centigrade [40.9]

Product Type:ZL-G45-4W27B22C  
Number:1  
Temperature: deg  
Test Operator:  
Software:V2.00.100

Manufacturer:  
Test Department:  
Humidity:%  
Test Date:2026-06-04 19:23:29  
Instrument:PMS-80\_V1 (SN:1009039)

**ZL-G45-4W27B22C**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4633$   $y=0.4194$  /  $u'=0.2608$   $v'=0.5312$   
Tc=2720K Dominant WL:Ld=583.2nm Purity=65.0% Centroid WL:619.0nm  
Ratio:R=28.4% G=69.5% B=2.1% Peak WL:Lp=640.0nm HWL:160.6nm  
Render Index:Ra=98.1  
R1 =99 R2 =98 R3 =94 R4 =98 R5 =99 R6 =98 R7 =99  
R8 =98 R9 =94 R10=95 R11=96 R12=94 R13=99 R14=96 R15=98

**Photo Parameters:**

Flux: 337.17 lm Fe: 1.3592 W Efficacy:81.00 lm/W  
LEVEL: WHITE:OUT

**Electrical Parameters:**

Luminaire: U=241.7V I=0.01826A P=4.183W PF=0.9475

*Instrument Status:*

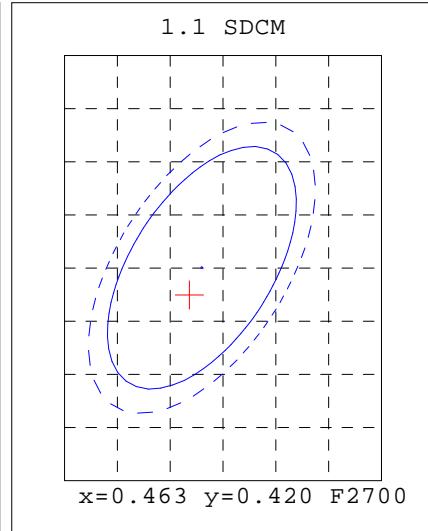
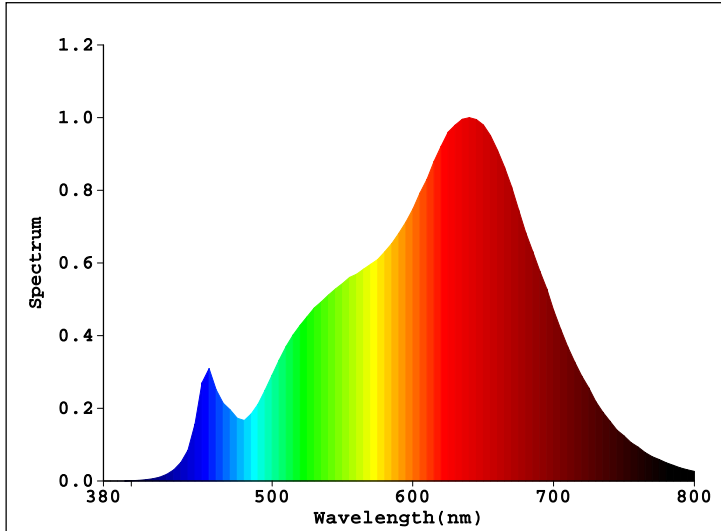
Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  $I_p=19605(G=5,D=74)$   
REF=11824(R=4) %=-0.221% PMT: 35.3 centigrade [40.9]

Product Type:ZL-G45-4W27B22C  
Number:2  
Temperature: deg  
Test Operator:  
Software:V2.00.100

Manufacturer:  
Test Department:  
Humidity:%  
Test Date:2026-06-04 19:27:28  
Instrument:PMS-80\_V1 (SN:1009039)

**ZL-G45-4W27B22C**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4618$   $y=0.4174$  /  $u'=0.2607$   $v'=0.5302$   
Tc=2726K Dominant WL:Ld=583.3nm Purity=63.9% Centroid WL:619.0nm  
Ratio:R=28.4% G=69.5% B=2.1% Peak WL:Lp=640.0nm HWL:160.7nm  
Render Index:Ra=98.2  
R1 =99 R2 =98 R3 =94 R4 =98 R5 =99 R6 =98 R7 =99  
R8 =99 R9 =95 R10=95 R11=96 R12=95 R13=99 R14=96 R15=98

**Photo Parameters:**

Flux: 335.29 lm Fe: 1.3556 W Efficacy:81.44 lm/W  
LEVEL: WHITE:OUT

**Electrical Parameters:**

Luminaire: U=241.7V I=0.01804A P=4.138W PF=0.9492

*Instrument Status:*

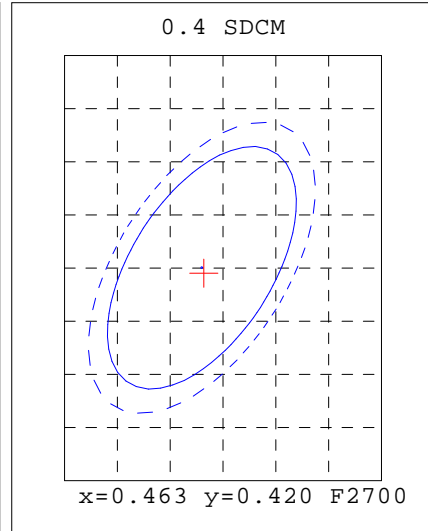
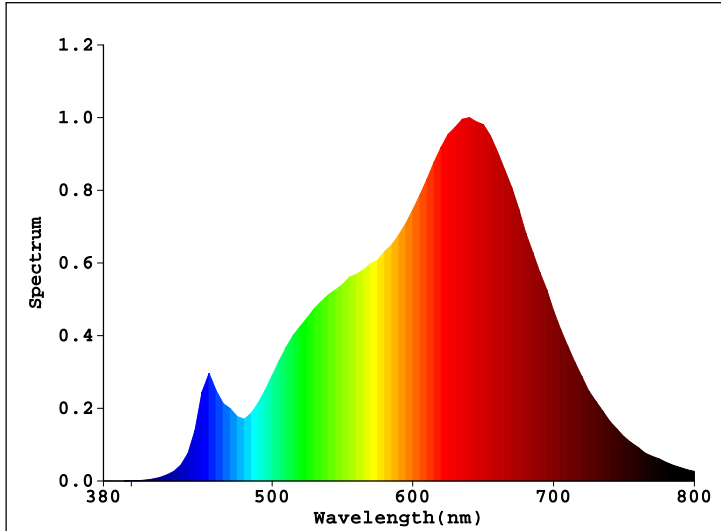
Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  $I_p=19355(G=5,D=73)$   
REF=11760(R=4) %=-0.309% PMT: 35.2 centigrade [41.0]

Product Type:ZL-G45-4W27B22C  
Number:3  
Temperature: deg  
Test Operator:  
Software:V2.00.100

Manufacturer:  
Test Department:  
Humidity:%  
Test Date:2026-06-04 19:47:11  
Instrument:PMS-80\_V1 (SN:1009039)

**ZL-G45-4W27B22C**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4632$   $y=0.4195$  /  $u'=0.2607$   $v'=0.5312$   
Tc=2722K Dominant WL:Ld=583.2nm Purity=65.0% Centroid WL:619.0nm  
Ratio:R=28.3% G=69.5% B=2.1% Peak WL:Lp=640.0nm HWL:160.7nm  
Render Index:Ra=98.0  
R1 =99 R2 =98 R3 =94 R4 =98 R5 =99 R6 =98 R7 =99  
R8 =98 R9 =95 R10=95 R11=96 R12=94 R13=99 R14=96 R15=98

**Photo Parameters:**

Flux: 330.86 lm Fe: 1.3751 W Efficacy:80.02 lm/W  
LEVEL: WHITE:OUT

**Electrical Parameters:**

Luminaire: U=241.7V I=0.01824A P=4.176W PF=0.9472

*Instrument Status:*

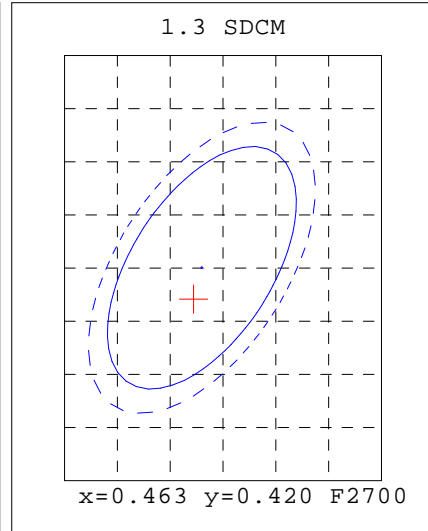
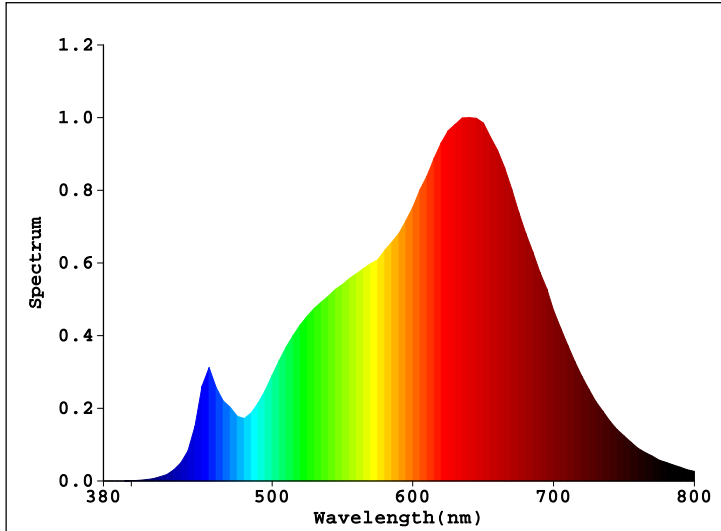
Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  $I_p=19883(G=5,D=72)$   
REF=11949(R=4) %=-0.278% PMT: 35.1 centigrade [41.1]

Product Type:ZL-G45-4W27B22C  
Number:4  
Temperature: deg  
Test Operator:  
Software:V2.00.100

Manufacturer:  
Test Department:  
Humidity:%  
Test Date:2026-06-04 20:06:08  
Instrument:PMS-80\_V1 (SN:1009039)

**ZL-G45-4W27B22C**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4622$   $y=0.4170$  /  $u'=0.2611$   $v'=0.5301$   
Tc=2717K Dominant WL:Ld=583.4nm Purity=63.9% Centroid WL:619.0nm  
Ratio:R=28.5% G=69.4% B=2.1% Peak WL:Lp=640.0nm HWL:160.2nm  
Render Index:Ra=98.3  
R1 =99 R2 =99 R3 =95 R4 =98 R5 =99 R6 =99 R7 =99  
R8 =98 R9 =94 R10=95 R11=96 R12=95 R13=99 R14=96 R15=98

**Photo Parameters:**

Flux: 336.08 lm Fe: 1.3195 W Efficacy:80.78 lm/W  
LEVEL: WHITE:OUT

**Electrical Parameters:**

Luminaire: U=241.8V I=0.01811A P=4.160W PF=0.9501

*Instrument Status:*

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  $I_p=18886(G=5,D=73)$   
REF=11449(R=4) %=-0.503% PMT: 35.4 centigrade [41.0]

Product Type:ZL-G45-4W27B22C  
Number:5  
Temperature: deg  
Test Operator:  
Software:V2.00.100

Manufacturer:  
Test Department:  
Humidity:%  
Test Date:2026-06-04 20:08:15  
Instrument:PMS-80\_V1 (SN:1009039)