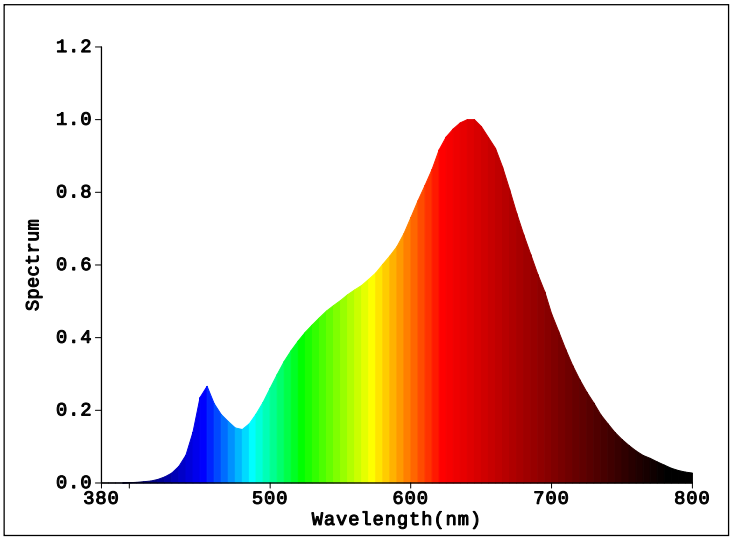
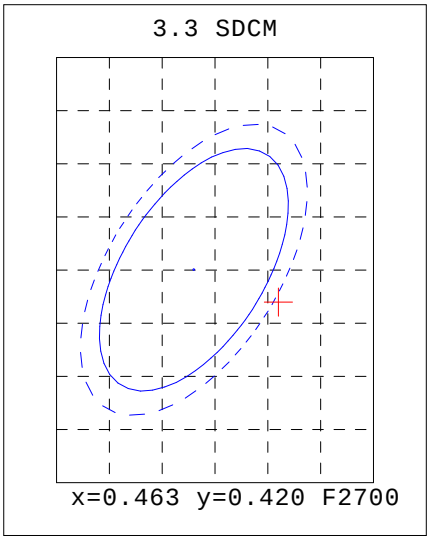
ZL-G45-4W27E14S

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4710 y=0.4170/u'=0.2668 v'=0.5314
Tc=2700K Dominant WL:Ld=584.3nm Purity=66.5% Centroid WL:622.0nm
Ratio:R=29.6% G=68.4% B=2.0% Peak WL:Lp=640.0nm HWL:148.0nm
Render Index:Ra=98.3

R1 =99	R2 =99	R3 =95	R4 =97	R5 =99	R6 =99	R7 =100	
R8 =99	R9 =96	R10=96	R11=95	R12=88	R13=99	R14=96	R15=99

Photo Parameters:

Flux: 289.93 lm Fe: 1.1601 W Efficacy:70.68 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

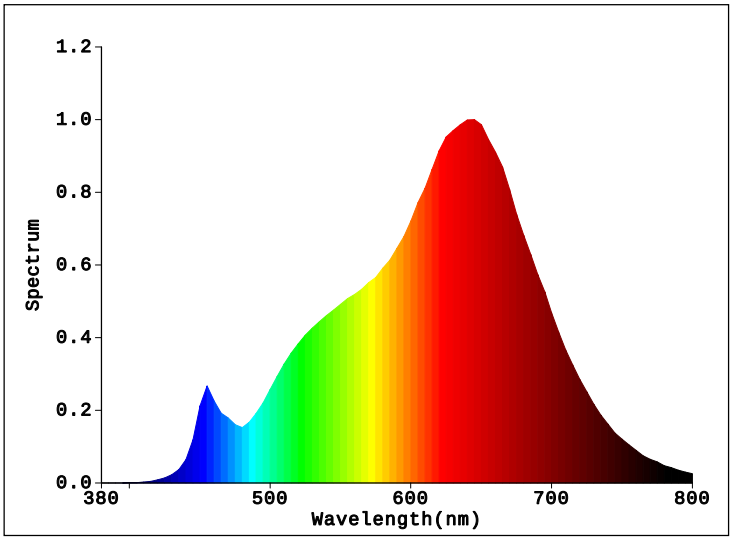
Luminaire: U=241.7V I=0.01792A P=4.102W PF=0.9472

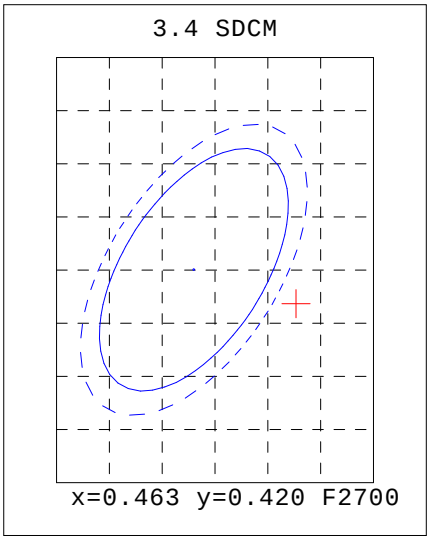
Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=16009(G=5,D=73)
REF=9913(R=4) %=-0.499% PMT: 35.3 centigrade [41.0]

Product Type:ZL-G45-4W27E14S	Manufacturer:
Number:1	Test Department:
Temperature: deg	Humidity:%
Test Operator:	Test Date:2026-06-04 15:34:52
Software:V2.00.100	Instrument:PMS-80_V1 (SN:1009039)

ZL-G45-4W27E14S

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4727 y=0.4168/u'=0.2679 v'=0.5316
Tc=2677K Dominant WL:Ld=584.4nm Purity=67.0% Centroid WL:623.0nm
Ratio:R=29.9% G=68.1% B=2.0% Peak WL:Lp=645.0nm HWL:144.7nm
Render Index:Ra=98.1

R1 =98	R2 =100	R3 =95	R4 =97	R5 =98	R6 =98	R7 =99	
R8 =99	R9 =97	R10=98	R11=94	R12=88	R13=98	R14=96	R15=99

Photo Parameters:

Flux: 284.96 lm Fe: 1.1469 W Efficacy:69.73 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

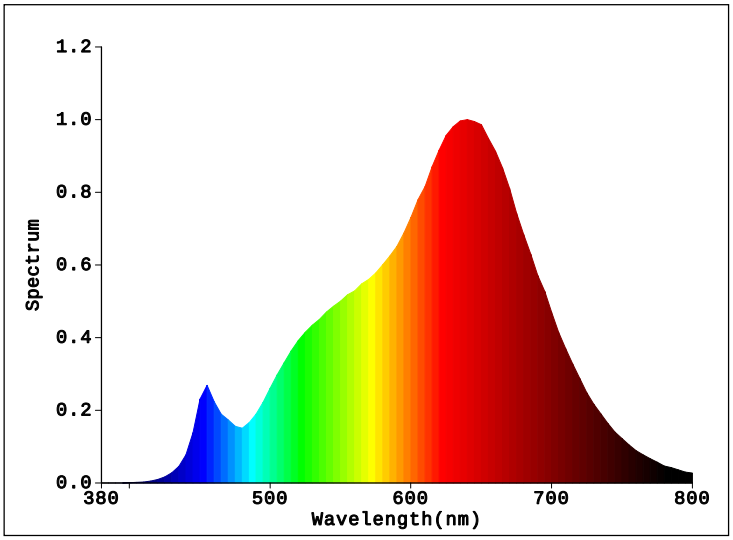
Luminaire: U=241.7V I=0.01783A P=4.087W PF=0.9483

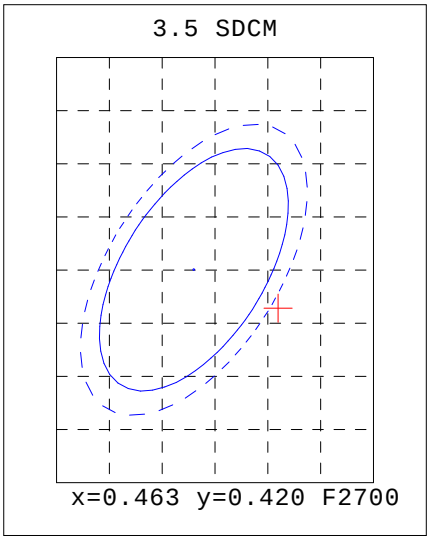
Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15976(G=5,D=73)
REF=9749(R=4) %=-0.393% PMT: 35.5 centigrade [41.0]

Product Type:ZL-G45-4W27E14S	Manufacturer:
Number:2	Test Department:
Temperature: deg	Humidity:%
Test Operator:	Test Date:2026-06-04 15:36:16
Software:V2.00.100	Instrument:PMS-80_V1 (SN:1009039)

ZL-G45-4W27E14S

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4710 y=0.4164/u'=0.2670 v'=0.5312
Tc=2696K Dominant WL:Ld=584.3nm Purity=66.4% Centroid WL:622.0nm
Ratio:R=29.6% G=68.4% B=2.0% Peak WL:Lp=640.0nm HWL:147.6nm
Render Index:Ra=98.4

R1 =98	R2 =100	R3 =95	R4 =97	R5 =99	R6 =99	R7 =100	
R8 =99	R9 =96	R10=97	R11=95	R12=88	R13=99	R14=96	R15=99

Photo Parameters:

Flux: 287.61 lm Fe: 1.1522 W Efficacy:70.46 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.7V I=0.01781A P=4.082W PF=0.9480

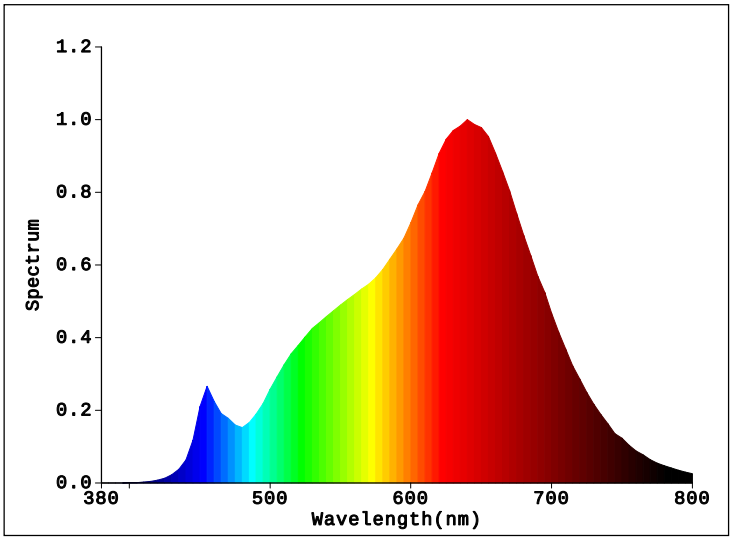
Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15978(G=5,D=73)
REF=9835(R=4) %=-0.349% PMT: 35.6 centigrade [41.0]

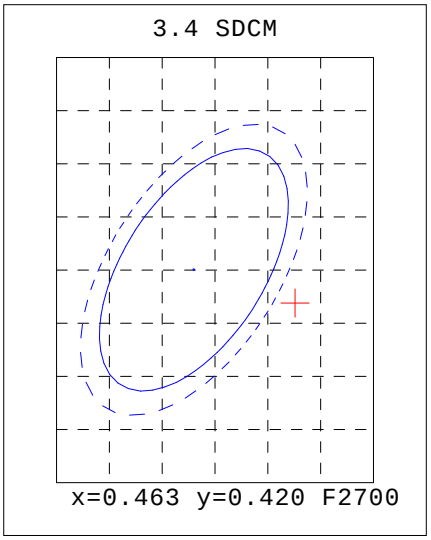
Product Type:ZL-G45-4W27E14S
Number:3
Temperature: deg
Test Operator:
Software:V2.00.100

Manufacturer:
Test Department:
Humidity:%
Test Date:2026-06-04 15:38:20
Instrument:PMS-80_V1 (SN:1009039)

ZL-G45-4W27E14S

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4726 y=0.4169/u'=0.2679 v'=0.5316
Tc=2679K Dominant WL:Ld=584.4nm Purity=67.0% Centroid WL:623.0nm
Ratio:R=29.8% G=68.2% B=2.0% Peak WL:Lp=640.0nm HWL:143.8nm
Render Index:Ra=98.1

R1 =98	R2 =100	R3 =95	R4 =97	R5 =98	R6 =98	R7 =99	
R8 =99	R9 =97	R10=98	R11=94	R12=88	R13=98	R14=96	R15=99

Photo Parameters:

Flux: 284.13 lm Fe: 1.1442 W Efficacy:69.64 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

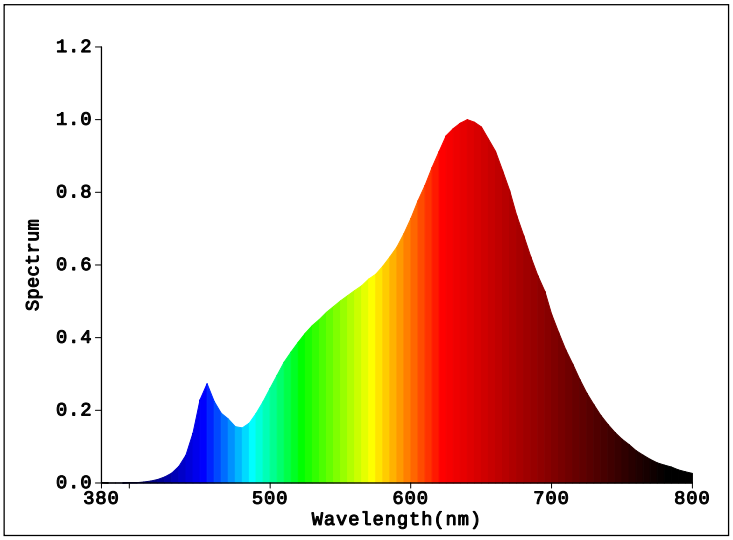
Luminaire: U=241.7V I=0.01780A P=4.080W PF=0.9484

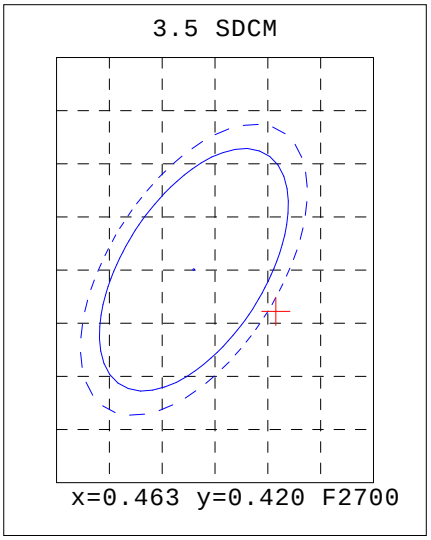
Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15859(G=5,D=73)
REF=9721(R=4) %=-0.468% PMT: 35.4 centigrade [41.0]

Product Type:ZL-G45-4W27E14S	Manufacturer:
Number:4	Test Department:
Temperature: deg	Humidity:%
Test Operator:	Test Date:2026-06-04 15:44:31
Software:V2.00.100	Instrument:PMS-80_V1 (SN:1009039)

ZL-G45-4W27E14S

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4707 y=0.4161/u'=0.2670 v'=0.5311
Tc=2696K Dominant WL:Ld=584.4nm Purity=66.2% Centroid WL:622.0nm
Ratio:R=29.7% G=68.3% B=2.0% Peak WL:Lp=640.0nm HWL:147.5nm
Render Index:Ra=98.3

R1 =98	R2 =100	R3 =95	R4 =97	R5 =99	R6 =99	R7 =100	
R8 =99	R9 =96	R10=97	R11=95	R12=88	R13=99	R14=96	R15=99

Photo Parameters:

Flux: 287.64 lm Fe: 1.1519 W Efficacy:70.65 lm/W
LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=241.8V I=0.01776A P=4.071W PF=0.9483

Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15967(G=5,D=73)
REF=9836(R=4) %=-0.390% PMT: 35.5 centigrade [41.1]

Product Type:ZL-G45-4W27E14S	Manufacturer:
Number:5	Test Department:
Temperature: deg	Humidity:%
Test Operator:	Test Date:2026-06-04 15:47:00
Software:V2.00.100	Instrument:PMS-80_V1 (SN:1009039)