

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: Source

Supplier's address: SGD Limited, Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath. A84 YP58. Ireland.

Model identifier: SBAT30W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	SMD		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

Parameter	Value	Parameter	Value
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General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3 600 in Wide cone (120°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	2 700 or 3 000 or 4 000 or 6 500
On-mode power (P_{on}), expressed in W	30,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	-
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	80
Outer dimensions without separate control gear, light-	Height	26	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	75	
	Depth	900	
			See image in last page

ing control parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,369 0,368
Parameters for LED and OLED light sources:			
R9 colour rendering index value	25	Survival factor	1,00
the lumen maintenance factor	1,00		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,97	Colour consistency in McAdam ellipses	5
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0

(a): not applicable;

(b): not applicable;



LED MULTI WATT CCT BATTEN RANGE

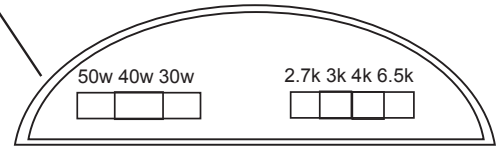
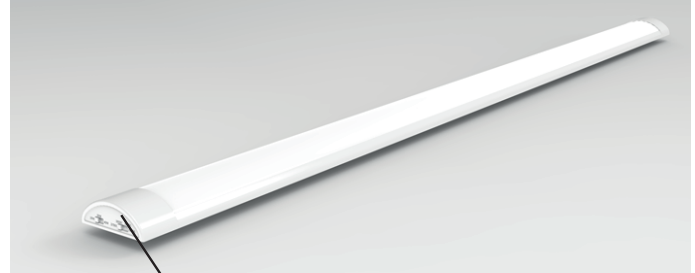
Instruction Manual



Product Code:	Multi Watt:	CCT:	Luminous Efficacy:	Size :
SBAT-50W	50w, 40w, 30w	2700k, 3000k, 4000k, 6500k	120Lm/W	1500mm
SBAT-40W	40w, 30w, 20w	2700k, 3000k, 4000k, 6500k	120Lm/W	1200mm
SBAT-30W	30w, 20w, 15w	2700k, 3000k, 4000k, 6500k	120Lm/W	900mm
SBAT-20W	20w, 15w, 10w	2700k, 3000k, 4000k, 6500k	120Lm/W	600mm

FEATURES:

- Multi Watt
- CCT
- Light Source: SMD2835
- Voltage: AC220~240V
- CRI: >80Ra
- Beam Angle: 120°
- Class II
- IP Rating: IP40
- 54000 Hrs
- Operating Temperature: -20~45°C
- Mounting: Surface/Suspended
- Warranty: 3 years
- Material: PC diffuser, Aluminium Heatsink



CCT Switch and Multi Watt Switch

Installation Instructions

WARNING: This product should be fitted by a qualified Electrician. Do not use if fitting is damaged. Make sure mains power is switched OFF before commencing installation.

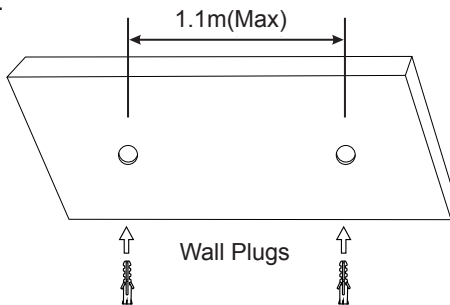
Surface Mounting

Supplied: 2 x brackets, 2 x pre-drilled screws, 2 x screws, 1 x connector

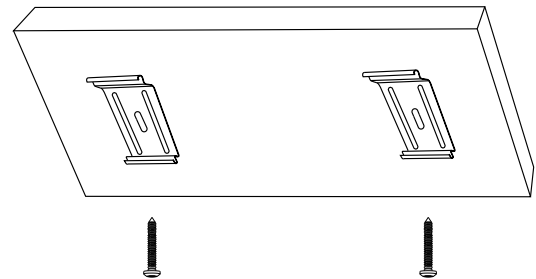
A. Drill marked holes in the ceiling surface. The maximum distance of the two pre-drilled holes of brackets are:

- 600mm Batten = 470mm,
- 900mm Batten = 770mm,
- 1200 Batten = 1070mm,
- 1500mm Batten = 1370mm

Gently knock the provided plastic wall plugs into the pre-drilled holes, ensuring the plastic tubes are flush with the mounting surface.

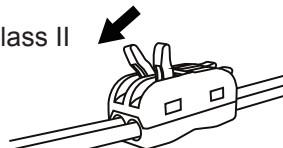


B. Take the flush mounting clips and line up the fixing holes with the pre-drilled location holes in the ceiling. The pre-drilled screws are 6mm diameter and 25mm long. Fix both flush mounting clips using the screws provided.

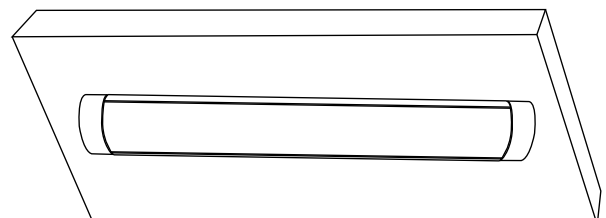


C. Wiring

Batten is wired with terminal block, it is Class II with N and L input.



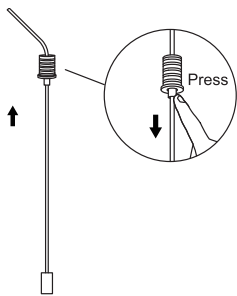
D. Clip the Batten onto the flush mounted clips. Note: Ensure installation is correct before switching on the fitting



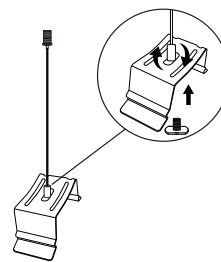
Suspension Mounting

Supplied: 2 x brackets, 2 x pre-drilled screws, 2 x screws, 1 x connector

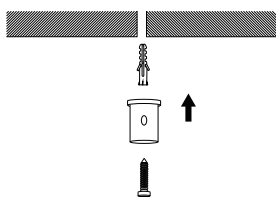
A. Insert ropes (not provided) into the clips and adjust the length



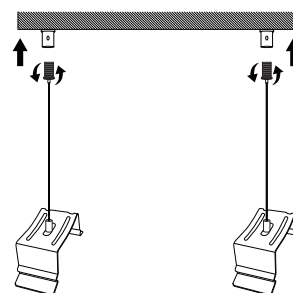
B. Insert ropes into the screw nuts



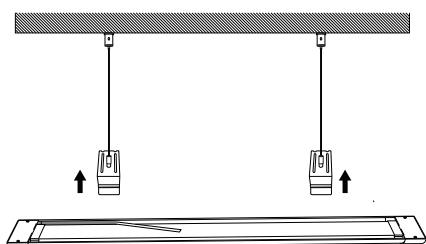
C. Drill holes in the ceiling and screw in the wall plugs



D. Screw the nuts into the wall plugs

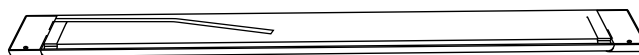
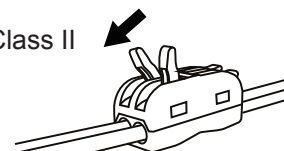
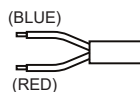


E. Clip the Batten onto the clips



F. Wiring

Batten is wired with terminal block, it is Class II with N and L input.



PRODUCT END OF LIFE INSTRUCTION.

This Lighting product is in the scope of EU 2019/2020 directive on Waste Electrical and Electronic Equipment (WEEE). This product must be disposed of according to the legislation. This document is intended for use by end of life recyclers or treatment facilities. It provides the basic information to assure an appropriate end of life treatment for the components and materials of the product. Please follow instructions below showing how to dismantle the product into different components which should be disposed of correctly. These components consist of plastic, metal and electronic materials. It is the responsibility of the end user to dispose of this product correctly.

Contact www.weeireland.ie or your local council for further information.



1. Use screwdriver to unscrew and open the back cover of the fitting



2. Remove diffuser to locate driver

3. After removing driver, please recycle all parts accordingly

**Non-Replaceable
Light Source**

For more information contact:



Solas Geal Distribution

Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, Ireland, A84 YP58,

Phone: 00353 1 835 7447

Unit 32 Junction One Business Park, Valley Road, Birkenhead, Merseyside, UK, CH41 7ED,

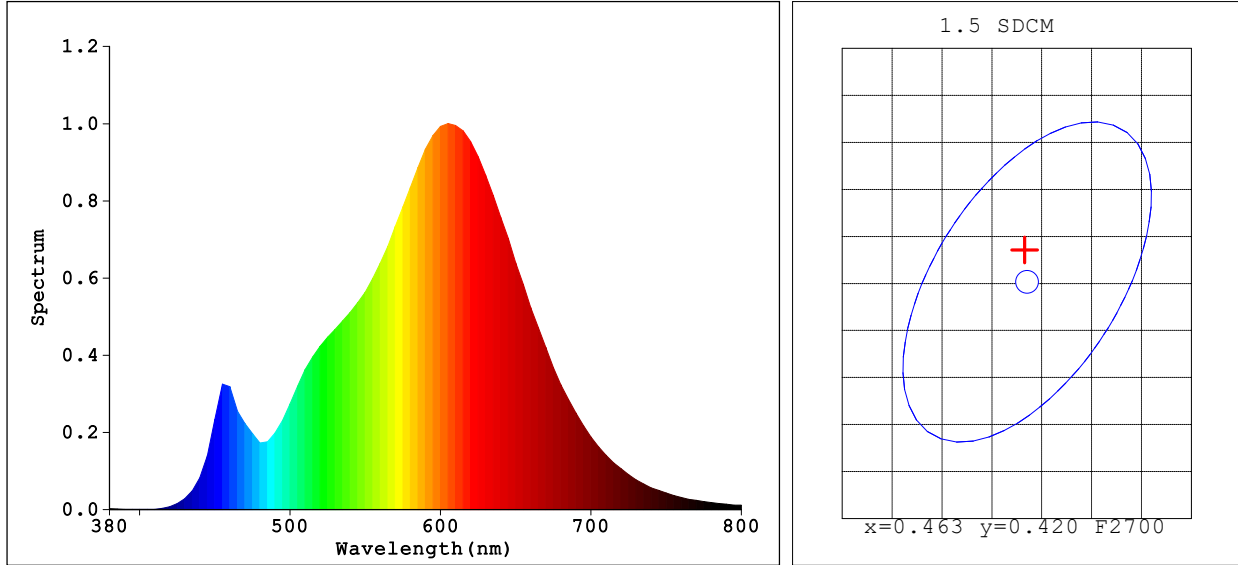
UK Ph: 0330 551 7000

Website: www.sgd.ie



SBAT-30W -30W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4628(dx=-0.0021)$ $y=0.4227(dy=0.0117)$
 Chromaticity Coordinate: $u'=0.2590$ $v'=0.5323(duv=4.17e-03)$
 Tc=2752K Dominant WL:Ld=582.7nm Purity=65.8% Centroid WL:597.0nm
 Ratio:R=26.3% G=71.7% B=1.9% Peak WL:Lp=605.0nm HWL:124.8nm
 Render Index:Ra=82.9
 R1 =81 R2 =91 R3 =97 R4 =80 R5 =81 R6 =90 R7 =84
 R8 =59 R9 =9 R10=80 R11=80 R12=69 R13=83 R14=99 R15=73

Photo Parameters:

Flux: 2903.7 lm Fe: 8.9242 W Efficacy:95.62 lm/W

Electrical Parameters:

Luminaire: U=234.5V I=0.1333A P=30.37W PF=0.9709
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

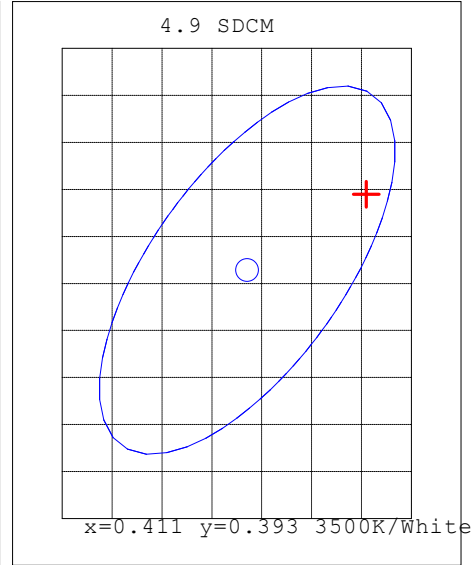
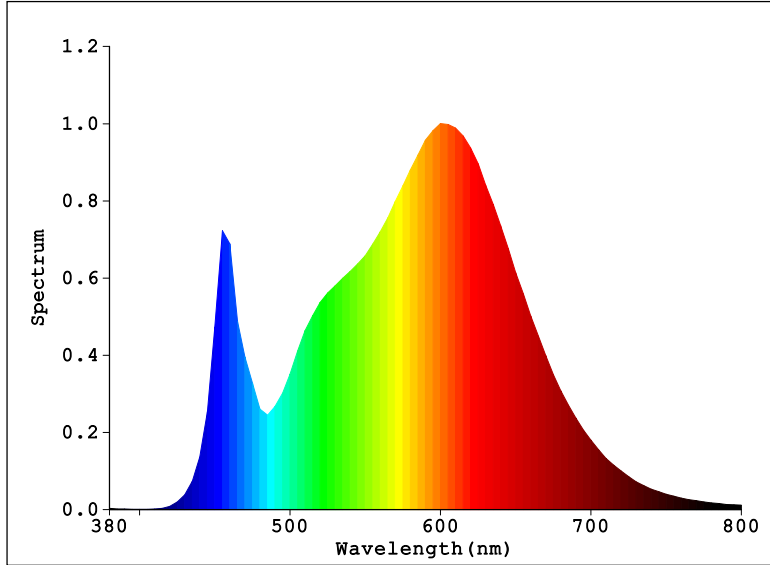
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=16586(G=3,D=59)
 REF=46205(R=4) %=0.000% PMT: 23.5 centigrade [31.8]

Product Type:LIGHT
 Number:N-00001
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 17:02:43
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -30W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4213(dx=-0.0021)$ $y=0.3995(dy=0.0117)$
 Chromaticity Coordinate: $u'=0.2424$ $v'=0.5172(duv=5.89e-04)$
 Tc=3244K Dominant WL:Ld=581.6nm Purity=46.4% Centroid WL:587.0nm
 Ratio:R=23.6% G=73.6% B=2.8% Peak WL:Lp=600.0nm HWL:145.5nm
 Render Index:Ra=85.6
 R1 =85 R2 =94 R3 =96 R4 =83 R5 =85 R6 =92 R7 =85
 R8 =65 R9 =21 R10=84 R11=83 R12=68 R13=88 R14=99 R15=78

Photo Parameters:

Flux: 3150.2 lm Fe: 9.7769 W Efficacy:105.3 lm/W

Electrical Parameters:

Luminaire: U=234.2V I=0.1317A P=29.93W PF=0.9706
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

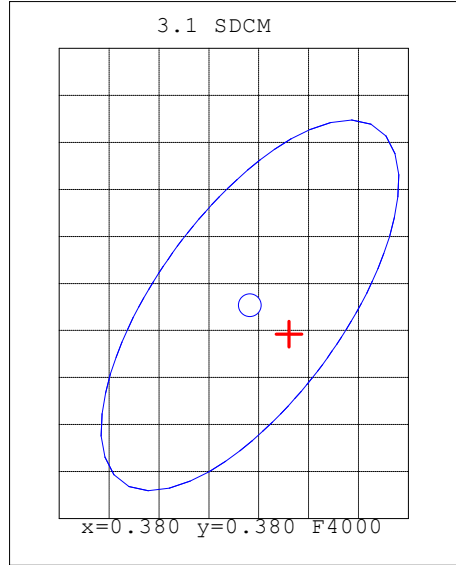
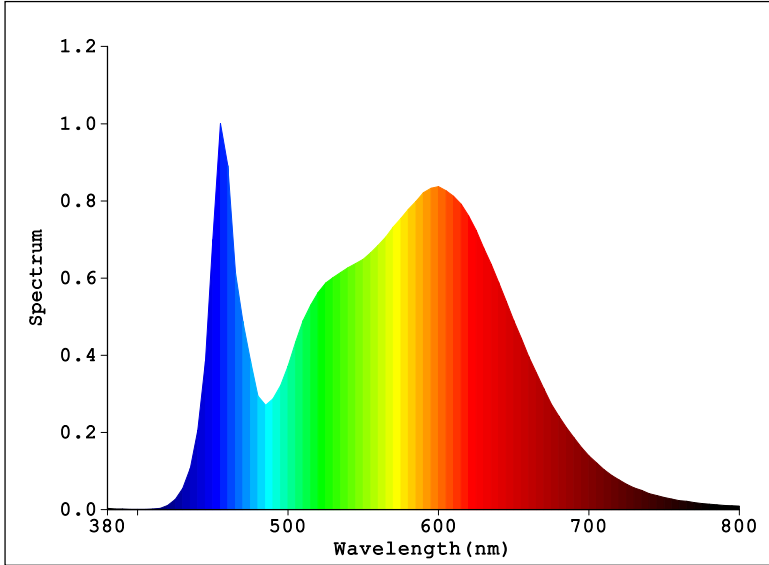
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=25230 (G=3,D=59)
 REF=49859 (R=4) %=0.000% PMT: 23.7 centigrade [31.8]

Product Type:LIGHT
 Number:N-00002
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 17:04:40
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -30W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3834$ ($dx=-0.0021$) $y=0.3775$ ($dy=0.0117$)
 Chromaticity Coordinate: $u'=0.2267$ $v'=0.5024$ ($duv=-4.81e-04$)
 Tc=3927K Dominant WL:Ld=579.6nm Purity=28.4% Centroid WL:573.0nm
 Ratio:R=20.8% G=75.6% B=3.6% Peak WL:Lp=455.0nm HWL:22.7nm
 Render Index:Ra=87.0
 R1 =87 R2 =94 R3 =97 R4 =84 R5 =86 R6 =90 R7 =87
 R8 =71 R9 =29 R10=84 R11=84 R12=62 R13=89 R14=99 R15=82

Photo Parameters:

Flux: 3316.5 lm Fe: 10.411 W Efficacy:113.1 lm/W

Electrical Parameters:

Luminaire: U=234.0V I=0.1292A P=29.33W PF=0.9698
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

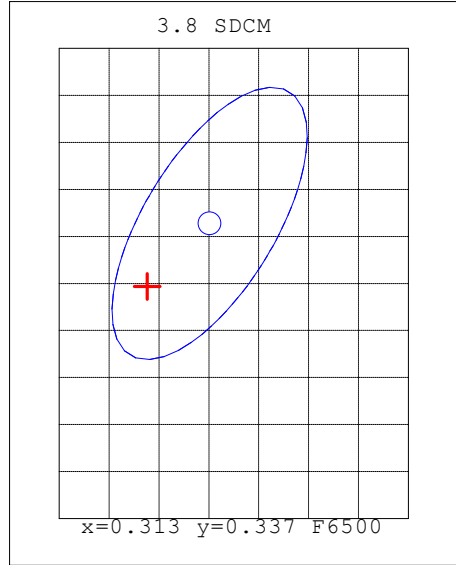
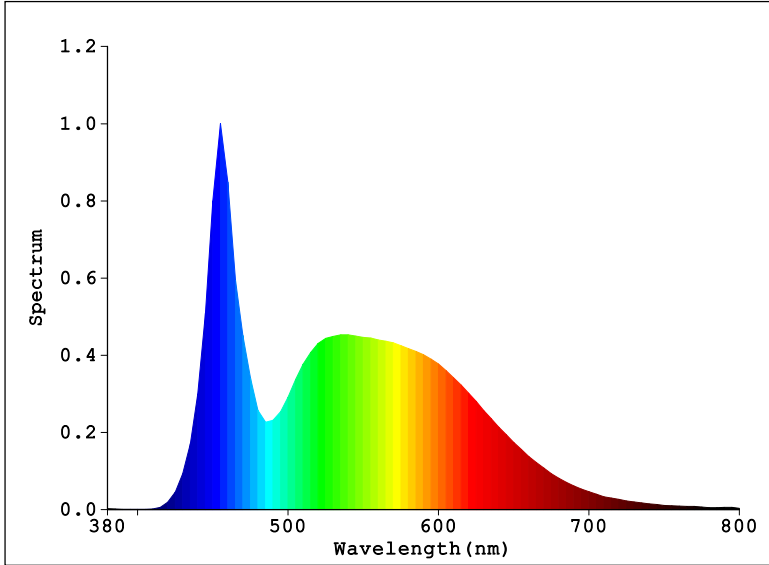
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=38234 (G=3,D=58)
 REF=52210 (R=4) %=0.000% PMT: 23.7 centigrade [31.8]

Product Type:LIGHT
 Number:N-00003
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 17:06:39
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -30W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3076 (dx=-0.0021) y=0.3316 (dy=0.0117)
 Chromaticity Coordinate: u'=0.1933 v'=0.4690 (duv=7.10e-03)
 Tc=6760K Dominant WL:Ld=490.9nm Purity=8.8% Centroid WL:538.0nm
 Ratio:R=14.1% G=80.4% B=5.5% Peak WL:Lp=455.0nm HWL:23.5nm
 Render Index:Ra=83.1
 R1 =81 R2 =89 R3 =92 R4 =80 R5 =81 R6 =83 R7 =89
 R8 =70 R9 =9 R10=72 R11=79 R12=53 R13=84 R14=96 R15=76

Photo Parameters:

Flux: 3097.0 lm Fe: 10.023 W Efficacy:99.76 lm/W

Electrical Parameters:

Luminaire: U=234.7V I=0.1361A P=31.05W PF=0.9719
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

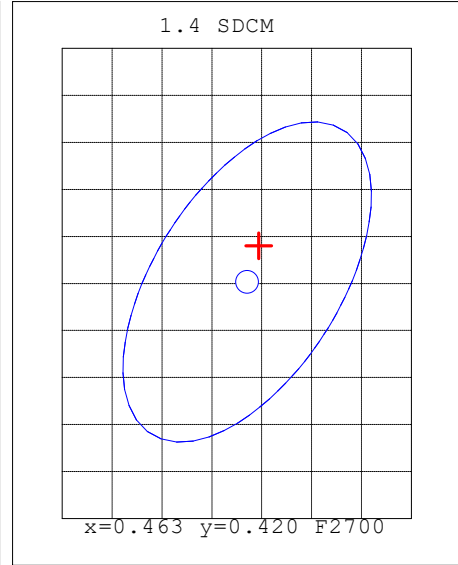
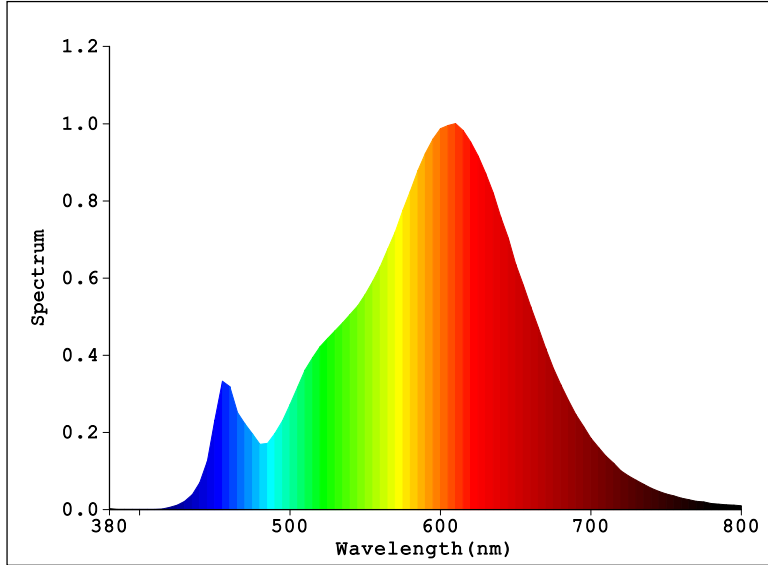
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=9329 (G=2,D=50)
 REF=48155 (R=4) %=0.000% PMT: 23.8 centigrade [31.8]

Product Type:LIGHT
 Number:N-00004
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 17:08:34
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -20W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4640$ ($dx=-0.0021$) $y=0.4231$ ($dy=0.0129$)
 Chromaticity Coordinate: $u'=0.2596$ $v'=0.5326$ ($duv=4.18e-03$)
 Tc=2738K Dominant WL:Ld=582.8nm Purity=66.3% Centroid WL:597.0nm
 Ratio:R=26.5% G=71.5% B=1.9% Peak WL:Lp=610.0nm HWL:123.7nm
 Render Index:Ra=83.2
 R1 =82 R2 =91 R3 =97 R4 =81 R5 =81 R6 =91 R7 =84
 R8 =60 R9 =11 R10=81 R11=81 R12=70 R13=84 R14=99 R15=73

Photo Parameters:

Flux: 2119.9 lm Fe: 6.5155 W Efficacy:102.7 lm/W

Electrical Parameters:

Luminaire: U=234.1V I=0.09279A P=20.63W PF=0.9497
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

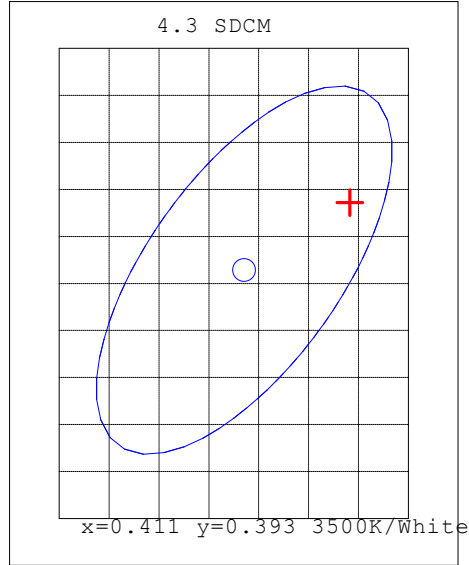
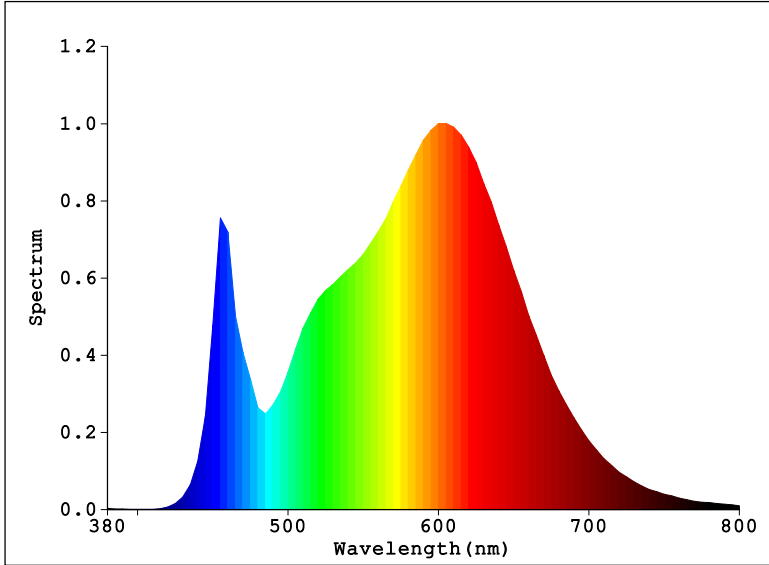
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=52088 (G=4,D=129)
 REF=33764 (R=4) %=0.000% PMT: 23.1 centigrade [31.7]

Product Type:LIGHT
 Number:N-00001
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 16:54:01
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -20W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4201$ ($dx=-0.0021$) $y=0.3988$ ($dy=0.0129$)
 Chromaticity Coordinate: $u'=0.2420$ $v'=0.5168$ ($duv=4.97e-04$)
 Tc=3261K Dominant WL:Ld=581.6nm Purity=45.8% Centroid WL:586.0nm
 Ratio:R=23.6% G=73.6% B=2.9% Peak WL:Lp=605.0nm HWL:146.5nm
 Render Index:Ra=86.0
 R1 =86 R2 =94 R3 =96 R4 =84 R5 =85 R6 =92 R7 =85
 R8 =66 R9 =23 R10=85 R11=84 R12=67 R13=88 R14=99 R15=79

Photo Parameters:

Flux: 2300.0 lm Fe: 7.1475 W Efficacy:112.5 lm/W

Electrical Parameters:

Luminaire: U=234.6V I=0.09179A P=20.44W PF=0.9493
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

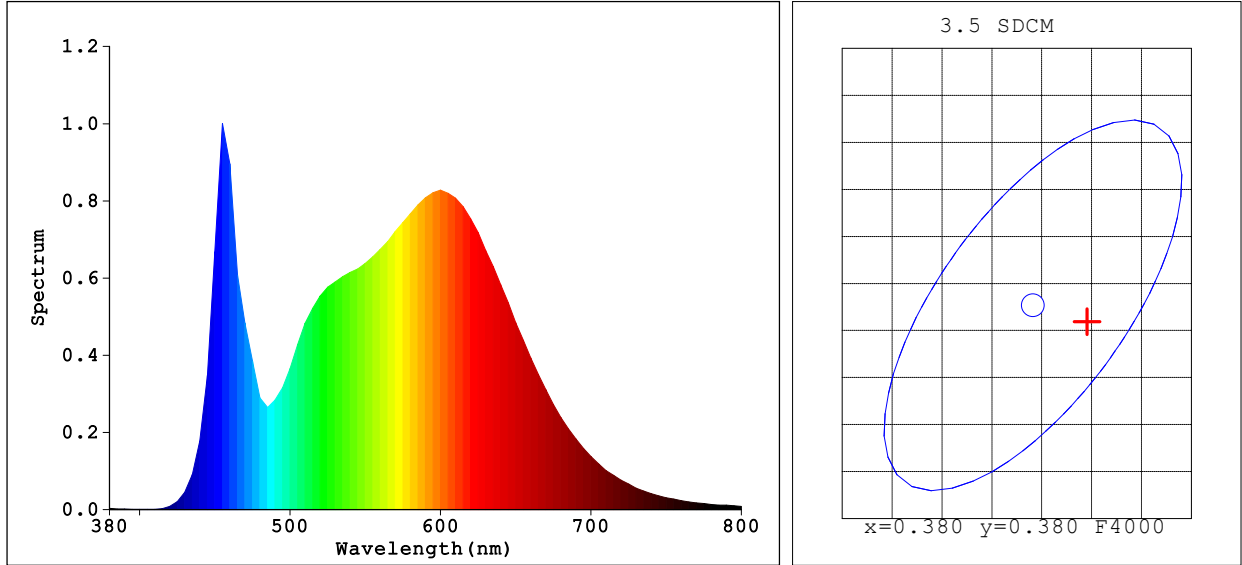
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=19134 (G=3,D=60)
 REF=36423 (R=4) %=0.000% PMT: 23.5 centigrade [31.7]

Product Type:LIGHT
 Number:N-00002
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 16:56:13
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -20W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3847$ ($dx=-0.0021$) $y=0.3786$ ($dy=0.0129$)
 Chromaticity Coordinate: $u'=0.2272$ $v'=0.5030$ ($duv=-3.54e-04$)
 Tc=3901K Dominant WL:Ld=579.6nm Purity=29.1% Centroid WL:574.0nm
 Ratio:R=20.9% G=75.5% B=3.6% Peak WL:Lp=455.0nm HWL:21.9nm
 Render Index:Ra=87.0
 R1 =87 R2 =94 R3 =97 R4 =84 R5 =86 R6 =91 R7 =87
 R8 =71 R9 =29 R10=85 R11=84 R12=62 R13=90 R14=99 R15=82

Photo Parameters:

Flux: 2395.3 lm Fe: 7.5104 W Efficacy:118.8 lm/W

Electrical Parameters:

Luminaire: U=234.5V I=0.09064A P=20.16W PF=0.9485
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

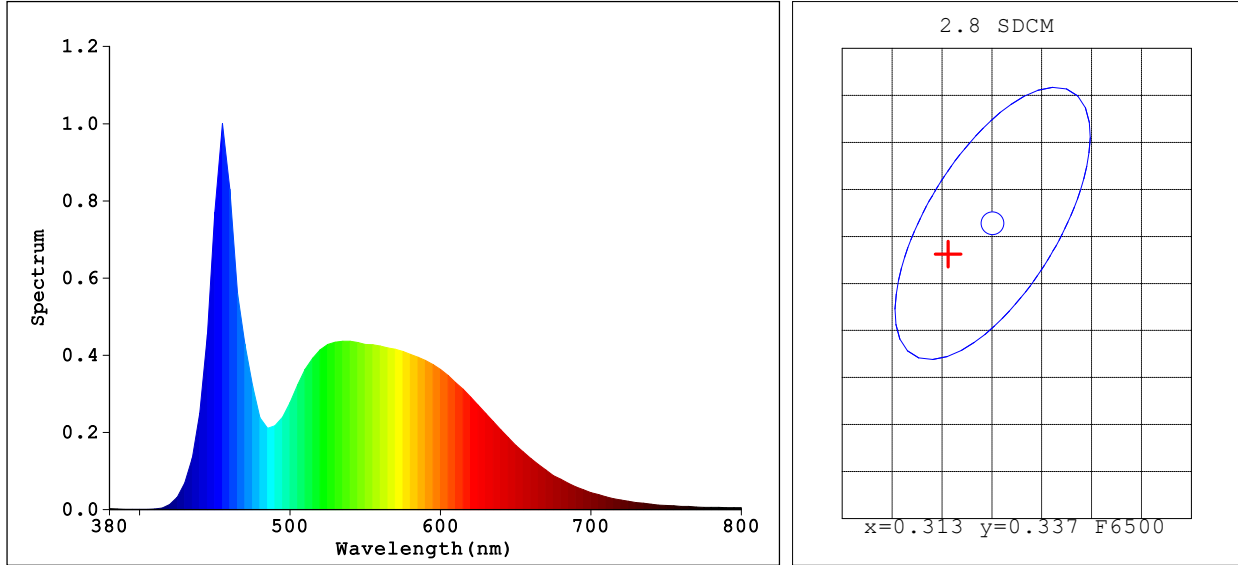
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=28060 (G=3,D=60)
 REF=37742 (R=4) %=0.000% PMT: 23.5 centigrade [31.7]

Product Type:LIGHT
 Number:N-00003
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 16:58:24
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -20W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3092$ ($dx=-0.0021$) $y=0.3344$ ($dy=0.0129$)
 Chromaticity Coordinate: $u'=0.1934$ $v'=0.4706$ ($duv=7.69e-03$)
 Tc=6652K Dominant WL:Ld=492.3nm Purity=8.1% Centroid WL:539.0nm
 Ratio:R=14.2% G=80.4% B=5.4% Peak WL:Lp=455.0nm HWL:21.6nm
 Render Index:Ra=82.9
 R1 =81 R2 =89 R3 =92 R4 =80 R5 =80 R6 =83 R7 =88
 R8 =69 R9 =8 R10=72 R11=79 R12=51 R13=83 R14=96 R15=76

Photo Parameters:

Flux: 2313.1 lm Fe: 7.4317 W Efficacy:109.7 lm/W

Electrical Parameters:

Luminaire: U=233.5V I=0.09498A P=21.09W PF=0.9508
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

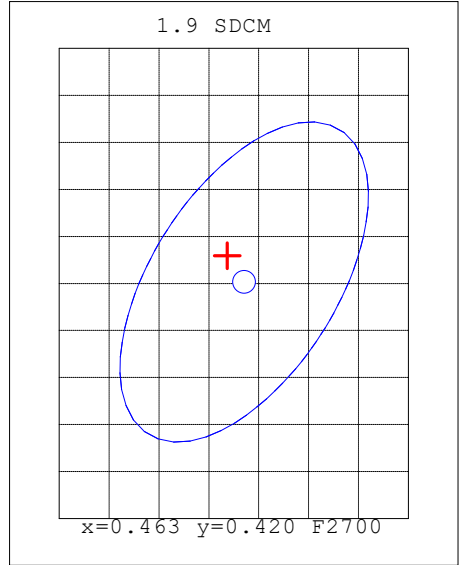
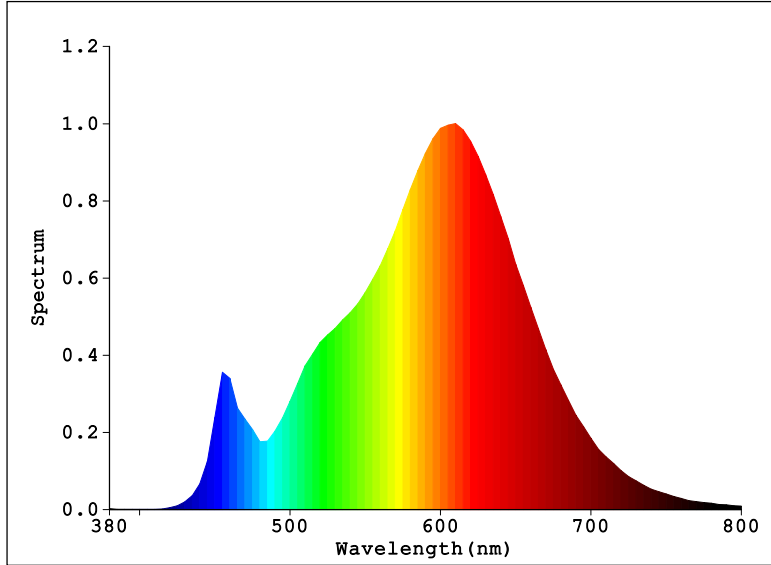
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=46783 (G=3,D=59)
 REF=35995 (R=4) %=0.000% PMT: 23.6 centigrade [31.8]

Product Type:LIGHT
 Number:N-00004
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 17:00:21
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -15W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4615(dx=0.0005)$ $y=0.4222(dy=0.0012)$
 Chromaticity Coordinate: $u'=0.2584$ $v'=0.5319(duv=4.10e-03)$
 Tc=2766K Dominant WL:Ld=582.6nm Purity=65.3% Centroid WL:597.0nm
 Ratio:R=26.4% G=71.6% B=2.0% Peak WL:Lp=610.0nm HWL:124.9nm
 Render Index:Ra=83.6
 R1 =82 R2 =92 R3 =97 R4 =81 R5 =82 R6 =91 R7 =84
 R8 =60 R9 =12 R10=81 R11=81 R12=70 R13=84 R14=99 R15=74

Photo Parameters:

Flux: 1735.1 lm Fe: 5.3299 W Efficacy:113.0 lm/W

Electrical Parameters:

Luminaire: U=234.1V I=0.07115A P=15.35W PF=0.9221
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

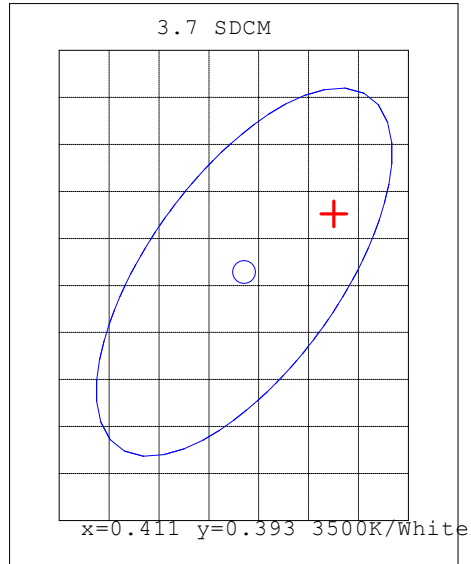
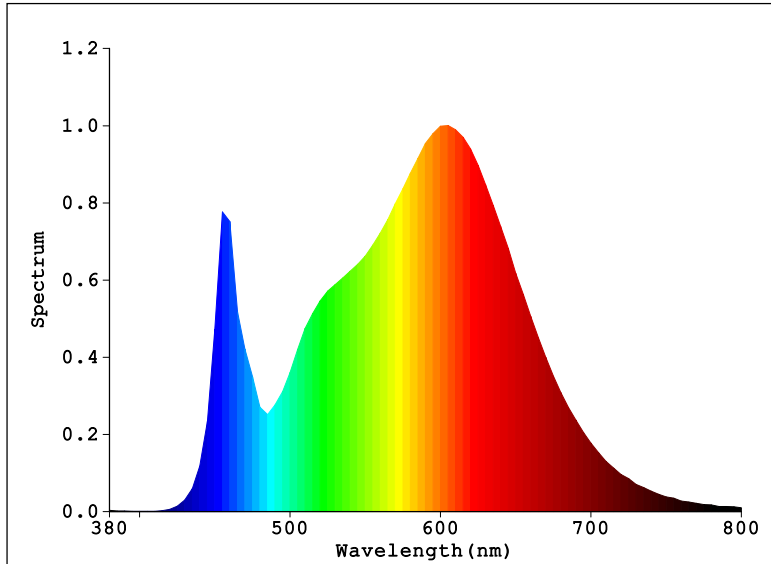
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=41682 (G=4,D=162)
 REF=27644 (R=4) %=0.000% PMT: 23.0 centigrade [31.7]

Product Type:LIGHT
 Number:N-00004
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 16:40:57
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -15W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4187$ ($dx=0.0005$) $y=0.3980$ ($dy=0.0012$)
 Chromaticity Coordinate: $u'=0.2414$ $v'=0.5162$ ($duv=4.15e-04$)
 Tc=3281K Dominant WL:Ld=581.5nm Purity=45.1% Centroid WL:586.0nm
 Ratio:R=23.5% G=73.6% B=2.9% Peak WL:Lp=605.0nm HWL:147.3nm
 Render Index:Ra=86.2
 R1 =86 R2 =94 R3 =96 R4 =84 R5 =85 R6 =92 R7 =85
 R8 =67 R9 =24 R10=86 R11=84 R12=67 R13=89 R14=99 R15=79

Photo Parameters:

Flux: 1726.2 lm Fe: 5.3700 W Efficacy:113.7 lm/W

Electrical Parameters:

Luminaire: U=234.2V I=0.07036A P=15.18W PF=0.9211
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

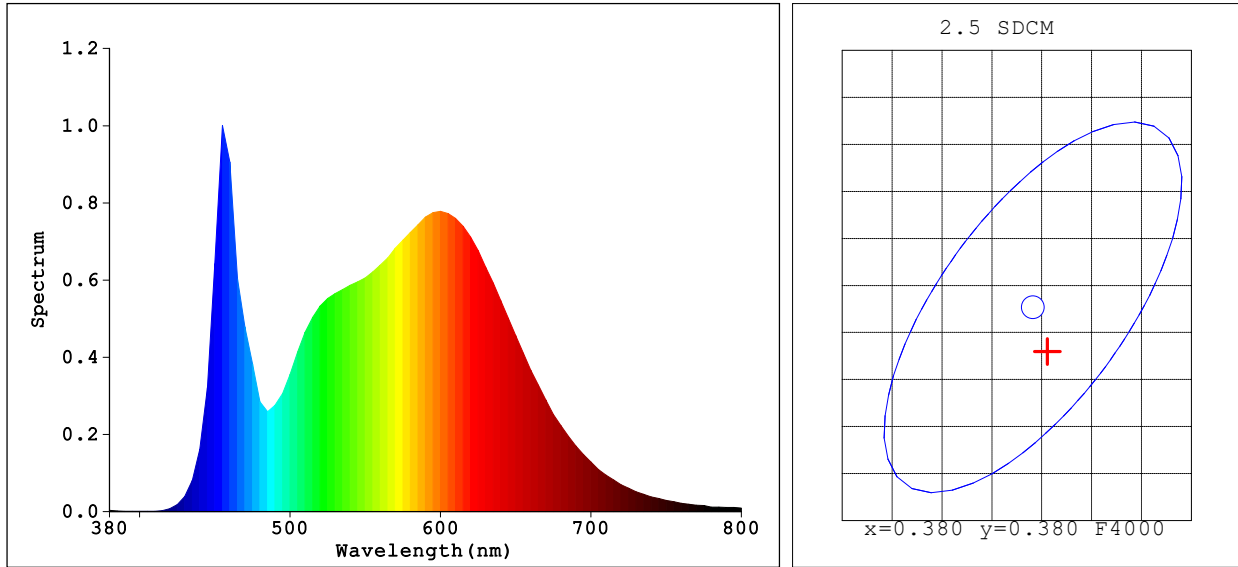
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=15069 (G=3,D=65)
 REF=27357(R=4) %=0.000% PMT: 23.1 centigrade [31.7]

Product Type:LIGHT
 Number:N-00004
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 16:50:49
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -15W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3812$ ($dx=0.0005$) $y=0.3762$ ($dy=0.0012$)
 Chromaticity Coordinate: $u'=0.2259$ $v'=0.5015$ ($duv=-4.96e-04$)
 Tc=3974K Dominant WL:Ld=579.4nm Purity=27.3% Centroid WL:573.0nm
 Ratio:R=20.7% G=75.5% B=3.7% Peak WL:Lp=455.0nm HWL:21.4nm
 Render Index:Ra=87.4
 R1 =88 R2 =95 R3 =97 R4 =85 R5 =86 R6 =91 R7 =87
 R8 =71 R9 =31 R10=86 R11=85 R12=62 R13=90 R14=99 R15=82

Photo Parameters:

Flux: 1889.1 lm Fe: 5.9394 W Efficacy:126.0 lm/W

Electrical Parameters:

Luminaire: U=234.2V I=0.06961A P=15.00W PF=0.9199
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

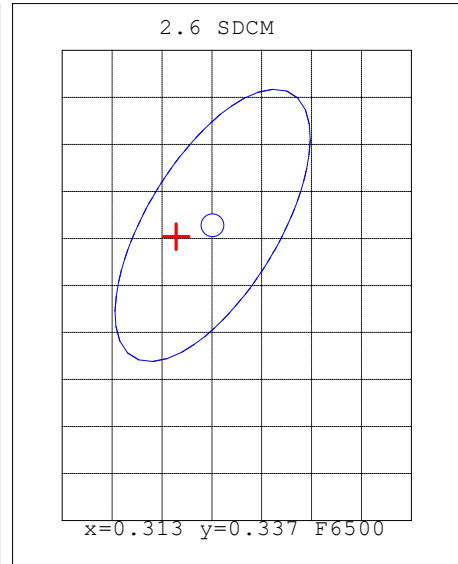
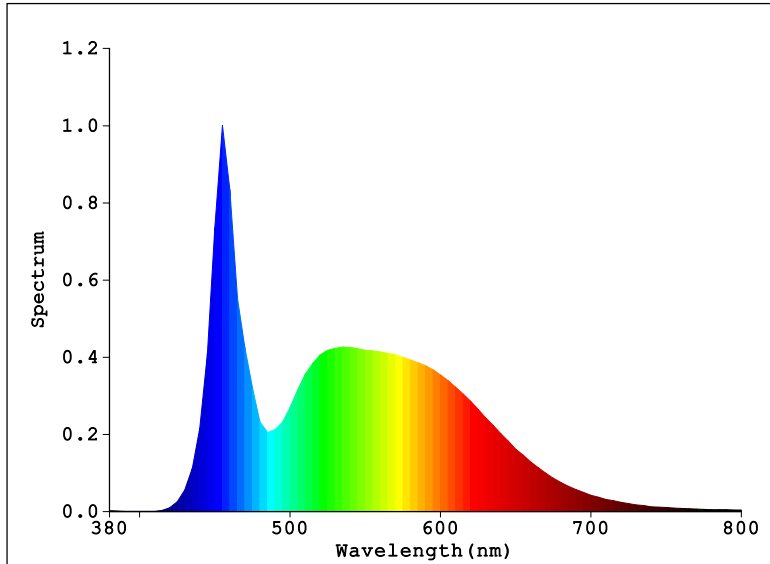
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] $I_p=23039$ (G=3,D=74)
 REF=29773 (R=4) $\% = 0.000\%$ PMT: 22.8 centigrade [31.6]

Product Type:LIGHT
 Number:N-00003
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 16:38:44
 Instrument:PMS-80 (SN:11050034)

SBAT-30W -15W

Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3098$ ($dx=0.0005$) $y=0.3360$ ($dy=0.0012$)
 Chromaticity Coordinate: $u'=0.1933$ $v'=0.4716$ ($duv=8.19e-03$)
 Tc=6601K Dominant WL:Ld=493.2nm Purity=7.8% Centroid WL:539.0nm
 Ratio:R=14.2% G=80.4% B=5.4% Peak WL:Lp=455.0nm HWL:20.6nm
 Render Index:Ra=82.7
 R1 =80 R2 =89 R3 =93 R4 =79 R5 =80 R6 =84 R7 =88
 R8 =69 R9 =7 R10=72 R11=78 R12=50 R13=83 R14=96 R15=75

Photo Parameters:

Flux: 1795.3 lm Fe: 5.7426 W Efficacy:115.3 lm/W

Electrical Parameters:

Luminaire: U=233.7V I=0.07214A P=15.57W PF=0.9234
 Lamp : U=0V I=0A P=0W PF=1.000

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=37586(G=3,D=66)
 REF=27960(R=4) %=0.000% PMT: 23.1 centigrade [31.7]

Product Type:LIGHT
 Number:N-00007
 Temperature:25.3 deg
 Test Operator:SGD LTD
 Software:V2.00.122

Manufacturer:SGD LTD
 Test Department:SGD LTD
 Humidity:65.0%
 Test Date:2024-03-15 16:48:12
 Instrument:PMS-80 (SN:11050034)



EU DECLARATION OF CONFORMITY

Manufacturers Name: Solas Geal Distribution
Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, A84 YP58.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Products:

LED SLIMLINE CCT MULTI WATT BATTEN LUMINAIRES IP40 120LM/W

Model Numbers:

SBAT-20W, SBAT-30W, SBAT-40W, SBAT-50W

The product/model of the declaration described above is in conformity with the relevant
Community harmonisation legislation:

Directive 2014/35/EU – Low Voltage Directive
(EU) 2019/2015 Regulation on Energy Labelling for Light Sources
(EU) 2019/2020 Ecodesign Requirements for Light Sources and
Separate Control Gears

The product/model of the declaration described above is in conformity with the below listed
harmonised stands and technical specifications listed below:

EN IEC 55015:2019/A11:2020, EN IEC 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021, EN 61547:2009, EN IEC 60598-1:2021 + 2021 + AMD11:2022, EN IEC 60598-2-1:2021, BS EN IEC 60598-1:2021 + AMD11:2022, BS EN IEC 60598-2-1:2021



Signed:

Date: 04/04/24

Place of Issue: Republic of Ireland

