

# 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:** SBAT40W

## 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	40	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4 800 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	40,0	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	1 200	
			See image in last page

ing control parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,382 0,377
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	25	Survival factor	0,00
the lumen maintenance factor	0,00		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	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

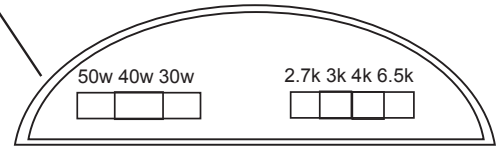
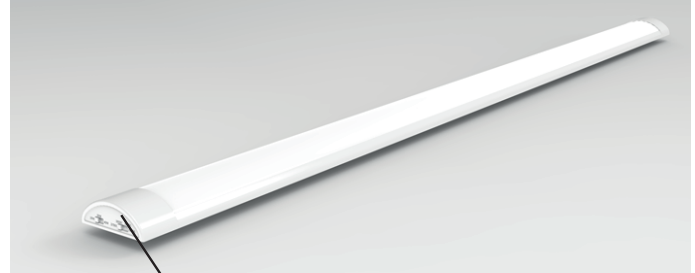
## Instruction Manual



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.

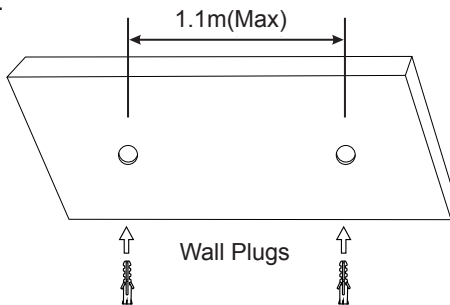
### Surface Mounting

**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:

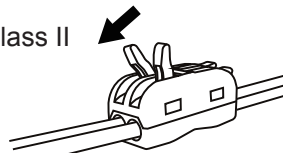
- 600mm Batten = 470mm,
- 900mm Batten = 770mm,
- 1200 Batten = 1070mm,
- 1500mm Batten = 1370mm

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

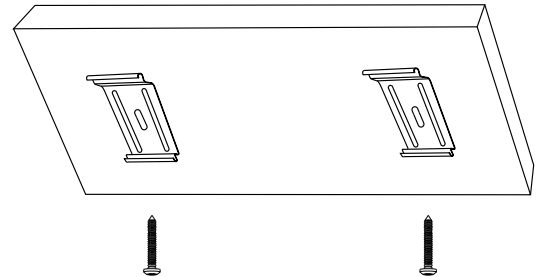


### C. Wiring

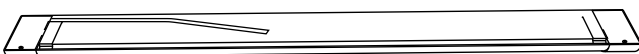
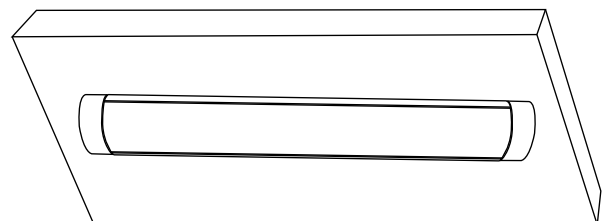
Batten is wired with terminal block, it is Class II with N and L input.



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.



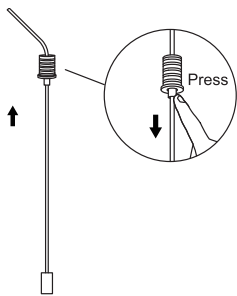
D. Clip the Batten onto the flush mounted clips. Note: Ensure installation is correct before switching on the fitting



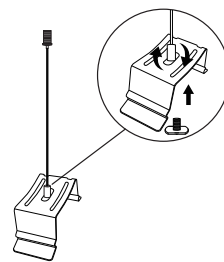
# Suspension Mounting

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

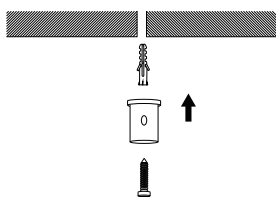
A. Insert ropes (not provided) into the clips and adjust the length



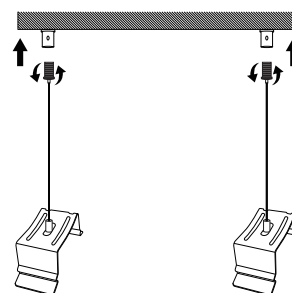
B. Insert ropes into the screw nuts



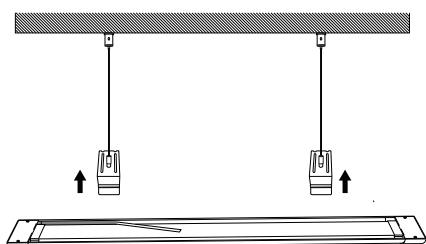
C. Drill holes in the ceiling and screw in the wall plugs



D. Screw the nuts into the wall plugs

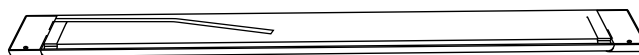
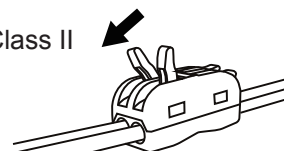
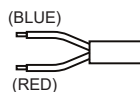


E. Clip the Batten onto the clips



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.weeeiireland.ie](http://www.weeeiireland.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,

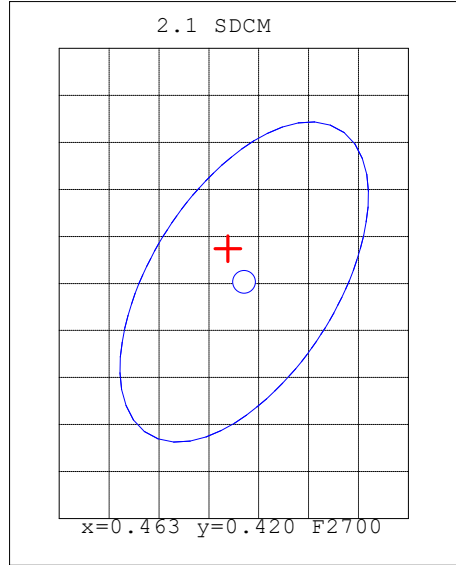
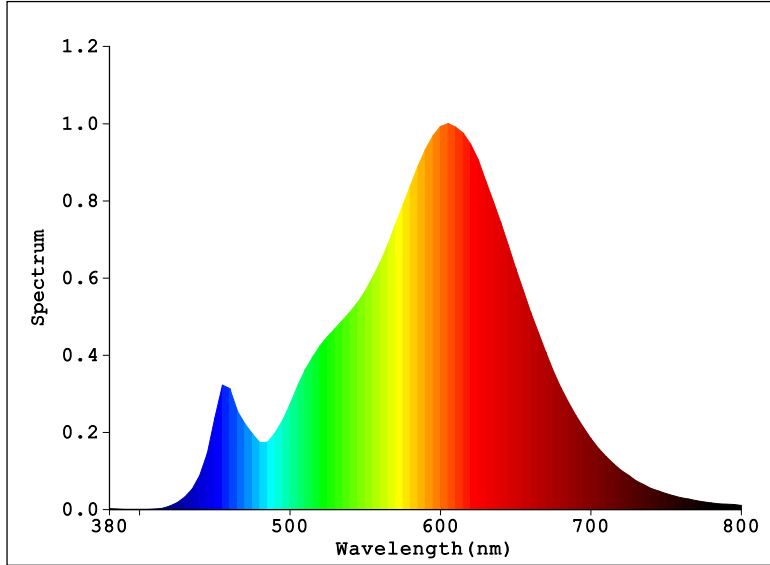
UK Ph: 0330 551 7000

Website: [www.sgd.ie](http://www.sgd.ie)



**SBAT-40W -30W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4616(dx=-0.0020)$   $y=0.4228(dy=0.0108)$   
 Chromaticity Coordinate:  $u'=0.2582$   $v'=0.5322(duv=4.32e-03)$   
 Tc=2770K Dominant WL:Ld=582.5nm Purity=65.5% Centroid WL:596.0nm  
 Ratio:R=26.1% G=71.9% B=1.9% Peak WL:Lp=605.0nm HWL:123.9nm  
 Render Index:Ra=82.4  
 R1 =80 R2 =91 R3 =97 R4 =80 R5 =80 R6 =90 R7 =83  
 R8 =58 R9 =7 R10=79 R11=79 R12=69 R13=83 R14=99 R15=72

**Photo Parameters:**

Flux: 3967.6 lm Fe: 12.119 W Efficacy:104.1 lm/W

**Electrical Parameters:**

Luminaire: U=236.9V I=0.1648A P=38.10W PF=0.9761  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=22949 (G=3,D=51)  
 REF=6360 (R=3) %=0.000% PMT: 22.3 centigrade [29.7]

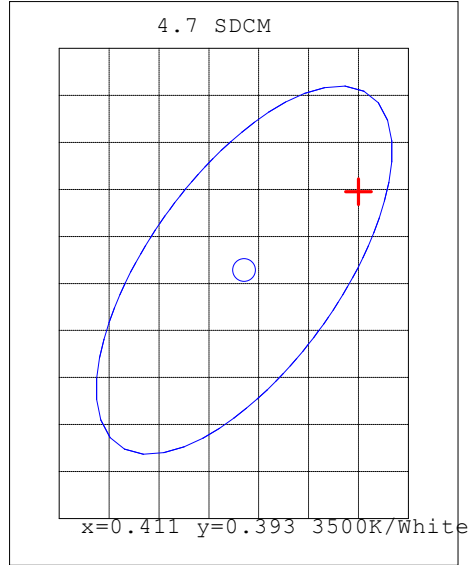
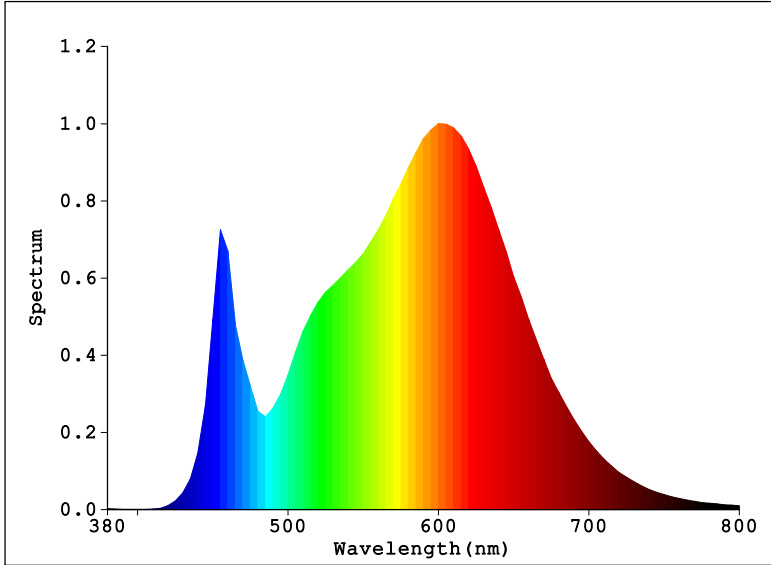
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Product Type:LIGHT  
 Number:N-00001  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:45:13  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -30W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4209(dx=-0.0020)$   $y=0.3997(dy=0.0108)$   
 Chromaticity Coordinate:  $u'=0.2421$   $v'=0.5173(duv=7.47e-04)$   
 Tc=3254K Dominant WL:Ld=581.5nm Purity=46.3% Centroid WL:586.0nm  
 Ratio:R=23.5% G=73.8% B=2.8% Peak WL:Lp=600.0nm HWL:144.7nm  
 Render Index:Ra=85.1  
 R1 =84 R2 =93 R3 =97 R4 =83 R5 =84 R6 =91 R7 =85  
 R8 =65 R9 =19 R10=83 R11=82 R12=67 R13=87 R14=99 R15=77

**Photo Parameters:**

Flux: 4361.1 lm Fe: 13.462 W Efficacy:116.2 lm/W

**Electrical Parameters:**

Luminaire: U=236.9V I=0.1620A P=37.52W PF=0.9772  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=34286(G=3,D=52)  
 REF=6946(R=3) %=0.000% PMT: 22.6 centigrade [29.7]

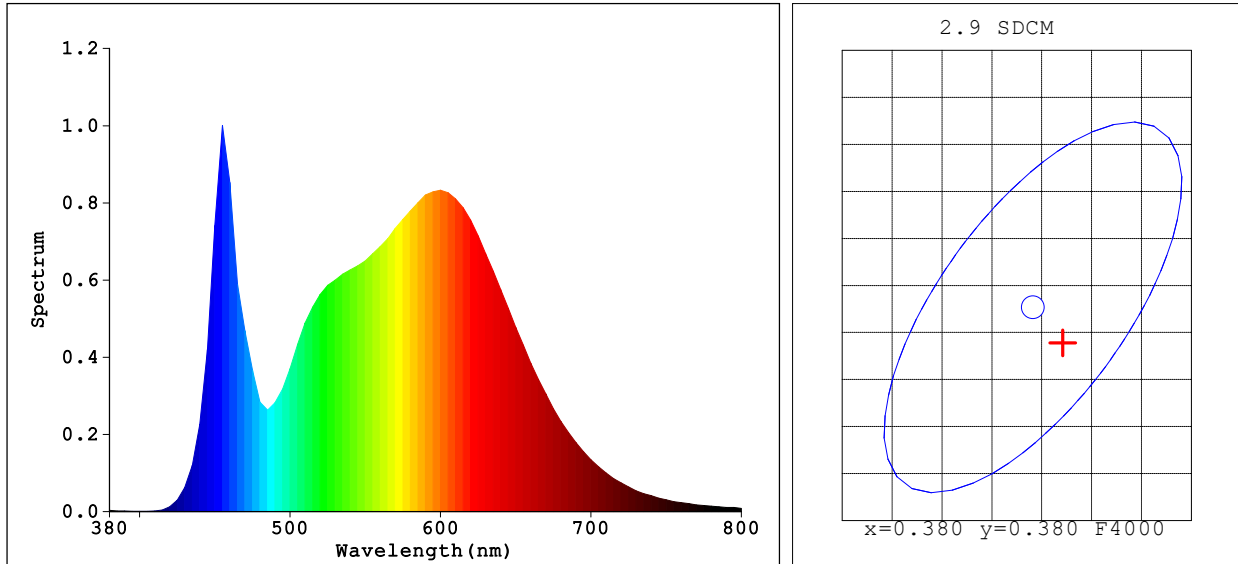
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Product Type:LIGHT  
 Number:N-00002  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:47:20  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -30W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate: x=0.3826 (dx=-0.0020) y=0.3770 (dy=0.0108)  
 Chromaticity Coordinate: u'=0.2264 v'=0.5020 (duv=-5.18e-04)  
 Tc=3944K Dominant WL:Ld=579.6nm Purity=27.9% Centroid WL:573.0nm  
 Ratio:R=20.7% G=75.8% B=3.6% Peak WL:Lp=455.0nm HWL:22.4nm  
 Render Index:Ra=86.5  
 R1 =86 R2 =93 R3 =96 R4 =84 R5 =85 R6 =89 R7 =87  
 R8 =70 R9 =26 R10=83 R11=84 R12=62 R13=89 R14=99 R15=81

**Photo Parameters:**

Flux: 4645.6 lm Fe: 14.515 W Efficacy:127.7 lm/W

**Electrical Parameters:**

Luminaire: U=236.6V I=0.1575A P=36.38W PF=0.9767  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=8408 (G=2,D=49)  
 REF=7354 (R=3) %=0.000% PMT: 22.7 centigrade [29.7]

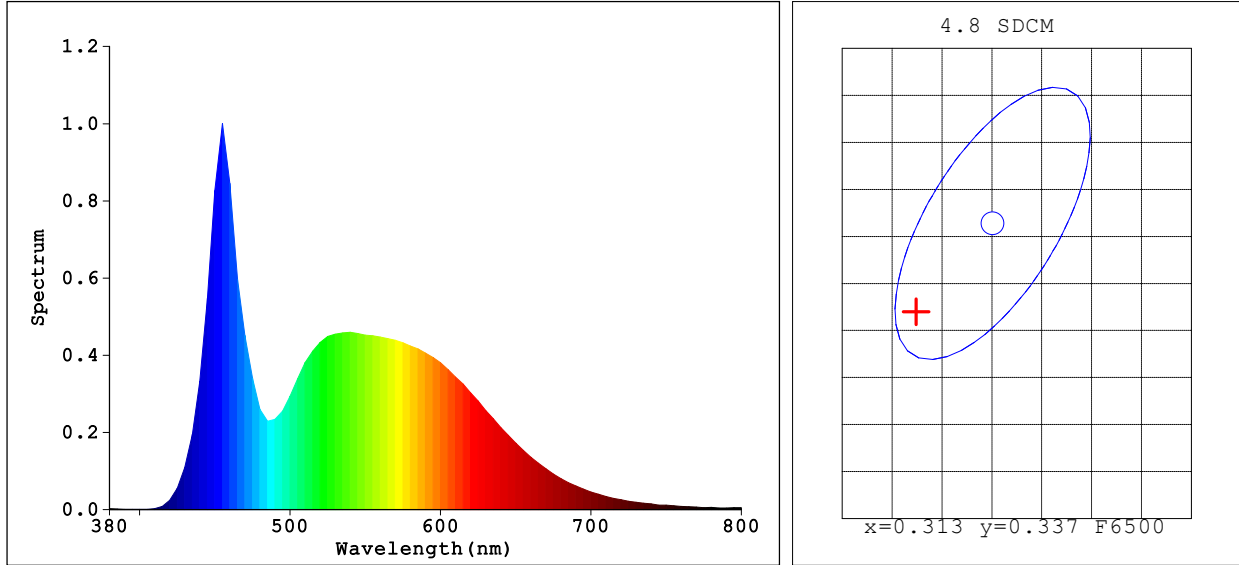
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Product Type:LIGHT  
 Number:N-00003  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:49:21  
 Instrument:PMS-80 (SN:11050034)

SBAT-40W -30W

Light Source Test Report



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3064$  ( $dx=-0.0020$ )  $y=0.3294$  ( $dy=0.0108$ )  
 Chromaticity Coordinate:  $u'=0.1933$   $v'=0.4676$  ( $duv=6.63e-03$ )  
 Tc=6849K Dominant WL:Ld=489.9nm Purity=9.4% Centroid WL:537.0nm  
 Ratio:R=14.0% G=80.5% B=5.5% Peak WL:Lp=455.0nm HWL:24.4nm  
 Render Index:Ra=82.9  
 R1 =81 R2 =88 R3 =92 R4 =80 R5 =81 R6 =83 R7 =89  
 R8 =70 R9 =8 R10=71 R11=79 R12=53 R13=83 R14=96 R15=76

**Photo Parameters:**

Flux: 4266.9 lm Fe: 13.836 W Efficacy:109.3 lm/W

**Electrical Parameters:**

Luminaire: U=237.1V I=0.1680A P=39.05W PF=0.9802  
 Lamp : U=0V I=0A P=0W PF=1.000

*Instrument Status:*

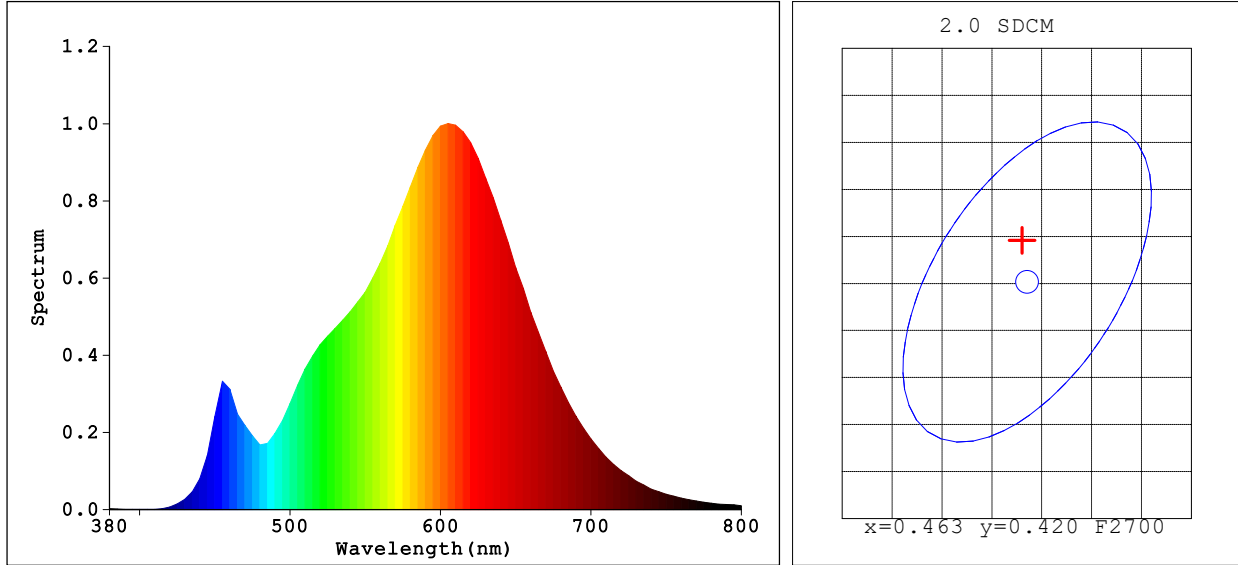
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=12847(G=2,D=50)  
 REF=6680 (R=3) %=0.000% PMT: 22.4 centigrade [29.7]

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Product Type:LIGHT	Manufacturer:SGD LTD
Number:N-00004	Test Department:SGD LTD
Temperature:25.3 deg	Humidity:65.0%
Test Operator:SGD LTD	Test Date:2024-02-28 19:52:22
Software:V2.00.122	Instrument:PMS-80 (SN:11050034)

**SBAT-40W -30W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4626(dx=-0.0021)$   $y=0.4235(dy=0.0121)$   
 Chromaticity Coordinate:  $u'=0.2585$   $v'=0.5326(duv=4.48e-03)$   
 Tc=2761K Dominant WL:Ld=582.5nm Purity=66.0% Centroid WL:597.0nm  
 Ratio:R=26.2% G=71.9% B=1.9% Peak WL:Lp=605.0nm HWL:124.1nm  
 Render Index:Ra=82.6  
 R1 =81 R2 =91 R3 =97 R4 =80 R5 =80 R6 =90 R7 =84  
 R8 =59 R9 =8 R10=79 R11=80 R12=69 R13=83 R14=99 R15=72

**Photo Parameters:**

Flux: 3178.3 lm Fe: 9.7002 W Efficacy:112.3 lm/W

**Electrical Parameters:**

Luminaire: U=236.5V I=0.1242A P=28.30W PF=0.9632  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=18455(G=3,D=51)  
 REF=50554(R=4) %=0.000% PMT: 22.1 centigrade [29.7]

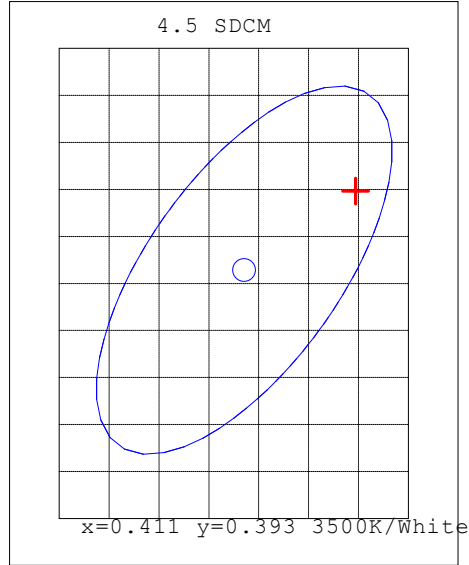
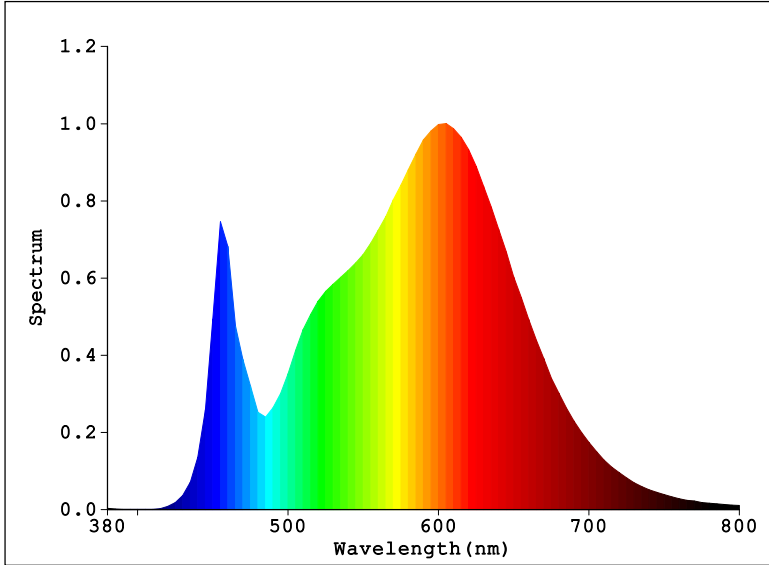
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Product Type:LIGHT  
 Number:N-00001  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:35:15  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -30W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4206$  ( $dx=-0.0021$ )  $y=0.3998$  ( $dy=0.0121$ )  
 Chromaticity Coordinate:  $u'=0.2419$   $v'=0.5172$  ( $duv=8.21e-04$ )  
 Tc=3259K Dominant WL:Ld=581.5nm Purity=46.2% Centroid WL:586.0nm  
 Ratio:R=23.5% G=73.7% B=2.8% Peak WL:Lp=605.0nm HWL:145.1nm  
 Render Index:Ra=85.3  
 R1 =85 R2 =93 R3 =97 R4 =83 R5 =84 R6 =91 R7 =85  
 R8 =65 R9 =19 R10=84 R11=83 R12=67 R13=87 R14=99 R15=78

**Photo Parameters:**

Flux: 3426.3 lm Fe: 10.573 W Efficacy:123.0 lm/W

**Electrical Parameters:**

Luminaire: U=236.5V I=0.1222A P=27.86W PF=0.9638  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=27610 (G=3,D=51)  
 REF=54208 (R=4) %=0.000% PMT: 22.5 centigrade [29.7]

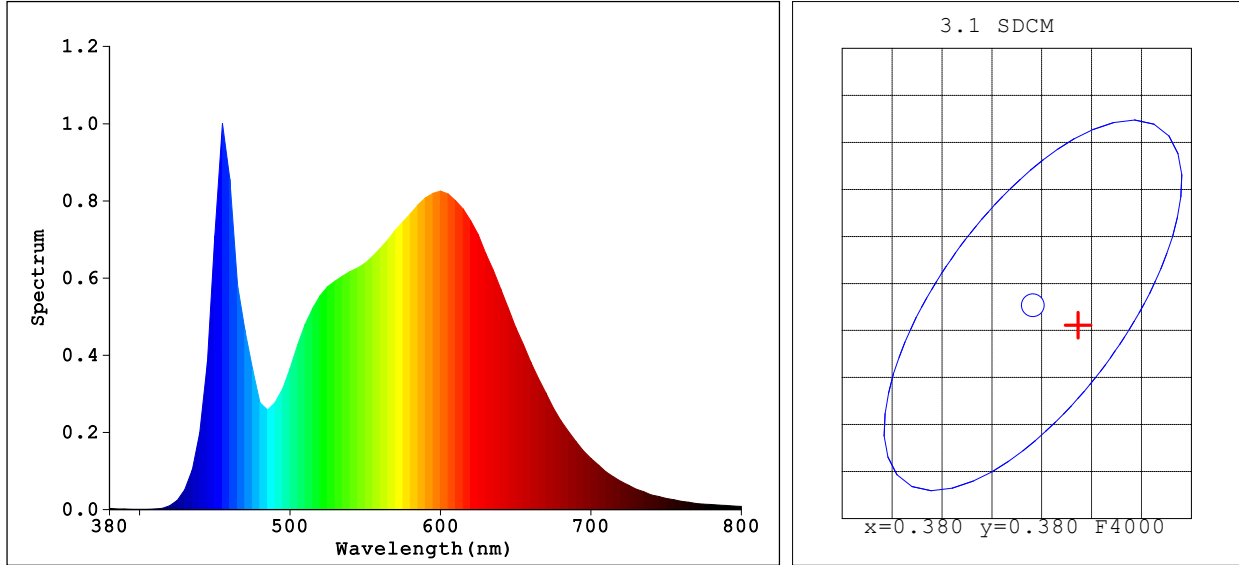
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Product Type:LIGHT  
 Number:N-00002  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:37:16  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -30W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3839(dx=-0.0021)$   $y=0.3783(dy=0.0121)$   
 Chromaticity Coordinate:  $u'=0.2268$   $v'=0.5028(duv=-2.72e-04)$   
 Tc=3919K Dominant WL:Ld=579.5nm Purity=28.7% Centroid WL:573.0nm  
 Ratio:R=20.8% G=75.7% B=3.6% Peak WL:Lp=455.0nm HWL:21.7nm  
 Render Index:Ra=86.6  
 R1 =86 R2 =94 R3 =96 R4 =84 R5 =85 R6 =90 R7 =87  
 R8 =70 R9 =26 R10=83 R11=84 R12=62 R13=89 R14=99 R15=81

**Photo Parameters:**

Flux: 3628.0 lm Fe: 11.314 W Efficacy:132.0 lm/W

**Electrical Parameters:**

Luminaire: U=236.5V I=0.1206A P=27.48W PF=0.9637  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=43276(G=3,D=52)  
 REF=57103(R=4) %=0.000% PMT: 22.6 centigrade [29.7]

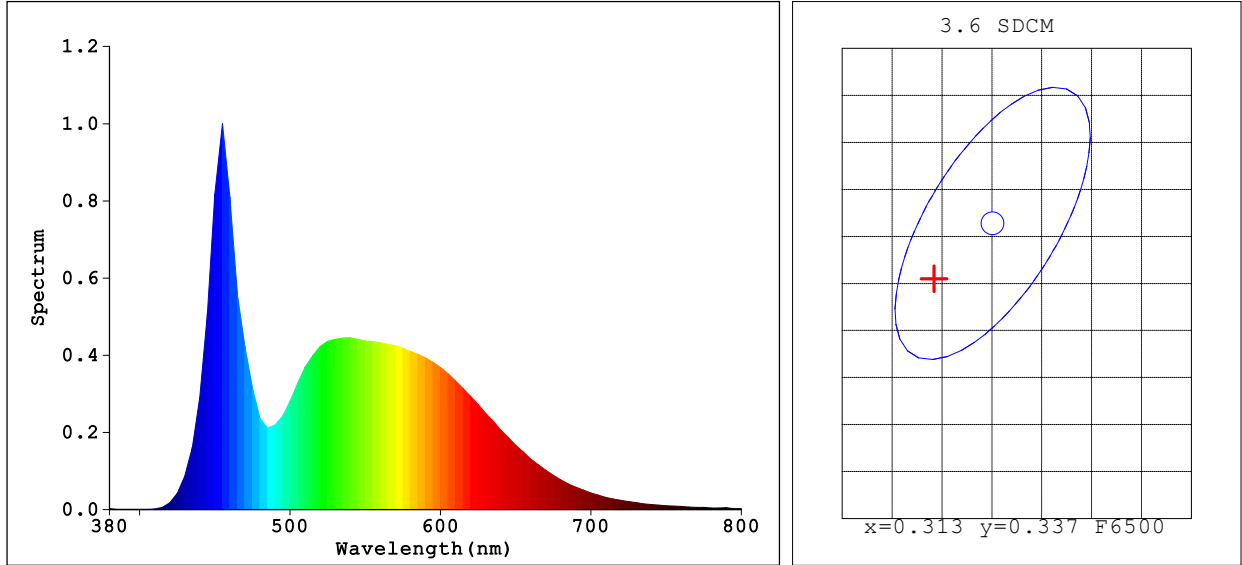
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Product Type:LIGHT  
 Number:N-00003  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:39:25  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -30W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3080$  ( $dx=-0.0021$ )  $y=0.3323$  ( $dy=0.0121$ )  
 Chromaticity Coordinate:  $u'=0.1933$   $v'=0.4694$  ( $duv=7.25e-03$ )  
 Tc=6735K Dominant WL:Ld=491.2nm Purity=8.6% Centroid WL:538.0nm  
 Ratio:R=14.0% G=80.6% B=5.4% Peak WL:Lp=455.0nm HWL:22.3nm  
 Render Index:Ra=82.5  
 R1 =80 R2 =88 R3 =92 R4 =80 R5 =80 R6 =82 R7 =89  
 R8 =69 R9 =6 R10=70 R11=79 R12=51 R13=83 R14=96 R15=75

**Photo Parameters:**

Flux: 3426.7 lm Fe: 11.010 W Efficacy:118.0 lm/W

**Electrical Parameters:**

Luminaire: U=236.5V I=0.1269A P=29.03W PF=0.9672  
 Lamp : U=0V I=0A P=0W PF=1.000

*Instrument Status:*

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=10750 (G=2,D=50)  
 REF=53268 (R=4) %=0.000% PMT: 22.7 centigrade [29.7]

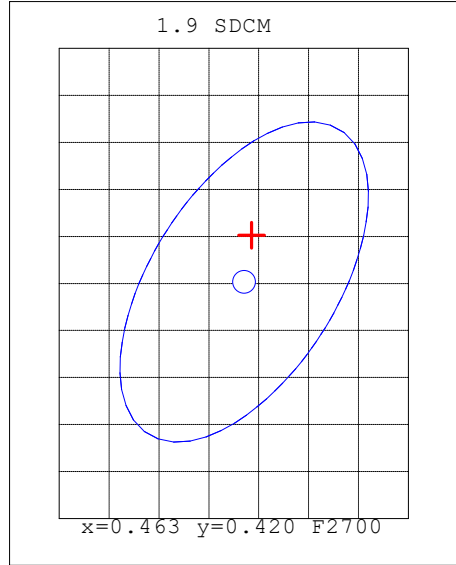
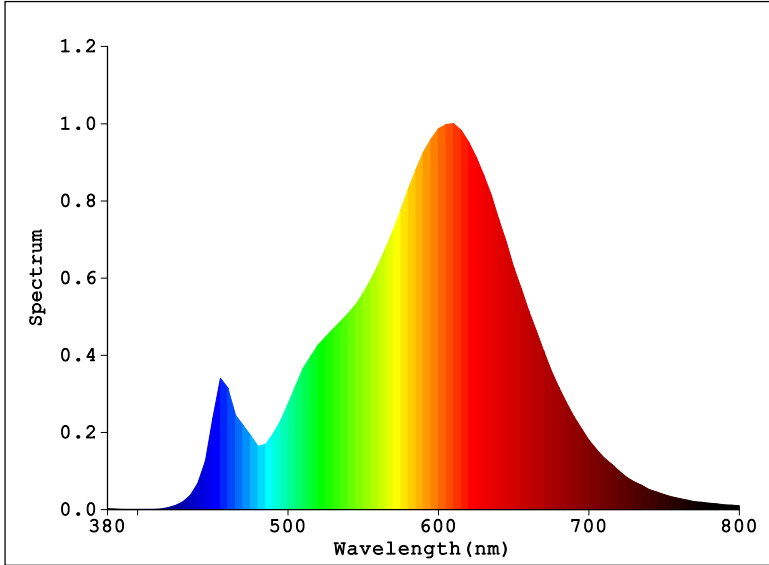
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Product Type:LIGHT  
 Number:N-00004  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:41:26  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -20W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4636$  ( $dx=-0.0021$ )  $y=0.4240$  ( $dy=0.0132$ )  
 Chromaticity Coordinate:  $u'=0.2590$   $v'=0.5329$  ( $duv=4.54e-03$ )  
 Tc=2750K Dominant WL:Ld=582.6nm Purity=66.5% Centroid WL:597.0nm  
 Ratio:R=26.4% G=71.7% B=1.9% Peak WL:Lp=610.0nm HWL:123.6nm  
 Render Index:Ra=83.0  
 R1 =81 R2 =91 R3 =97 R4 =81 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: 2331.7 lm Fe: 7.1204 W Efficacy:119.7 lm/W

**Electrical Parameters:**

Luminaire: U=236.2V I=0.08777A P=19.49W PF=0.9399  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=57824 (G=4,D=69)  
 REF=37120 (R=4) %=0.000% PMT: 22.2 centigrade [29.7]

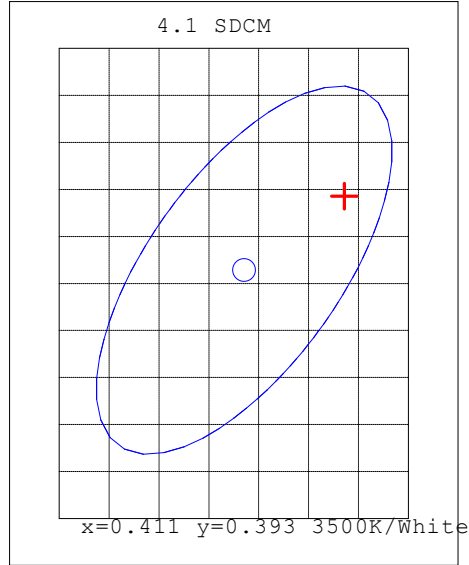
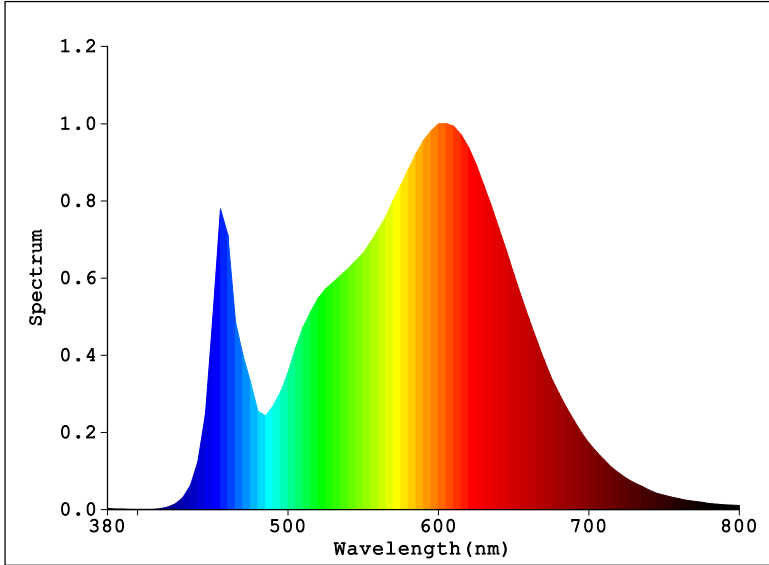
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Product Type:LIGHT  
 Number:N-00001  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:20:59  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -20W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4196$  ( $dx=-0.0021$ )  $y=0.3993$  ( $dy=0.0132$ )  
 Chromaticity Coordinate:  $u'=0.2414$   $v'=0.5169$  ( $duv=8.08e-04$ )  
 Tc=3274K Dominant WL:Ld=581.4nm Purity=45.8% Centroid WL:586.0nm  
 Ratio:R=23.5% G=73.7% B=2.8% Peak WL:Lp=605.0nm HWL:146.3nm  
 Render Index:Ra=85.7  
 R1 =85 R2 =94 R3 =97 R4 =83 R5 =85 R6 =92 R7 =85  
 R8 =66 R9 =21 R10=84 R11=83 R12=66 R13=88 R14=99 R15=78

**Photo Parameters:**

Flux: 2475.9 lm Fe: 7.6464 W Efficacy:129.0 lm/W

**Electrical Parameters:**

Luminaire: U=236.4V I=0.08635A P=19.19W PF=0.9401  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=20587(G=3,D=52)  
 REF=39194(R=4) %=0.000% PMT: 24.2 centigrade [29.7]

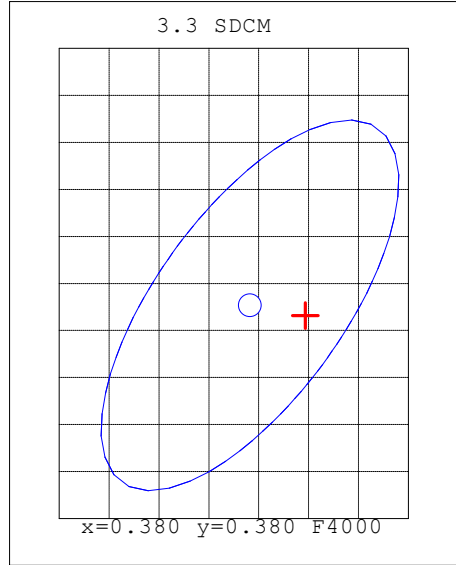
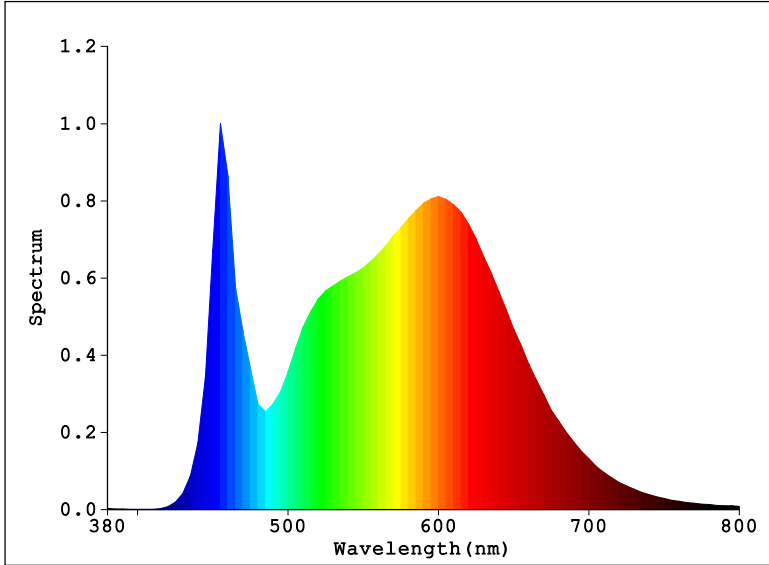
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Product Type:LIGHT  
 Number:N-00003  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:24:38  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -20W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate: x=0.3848 (dx=-0.0021) y=0.3791 (dy=0.0132)  
 Chromaticity Coordinate: u'=0.2270 v'=0.5033 (duv=-1.48e-04)  
 Tc=3901K Dominant WL:Ld=579.5nm Purity=29.3% Centroid WL:574.0nm  
 Ratio:R=20.9% G=75.6% B=3.6% Peak WL:Lp=455.0nm HWL:21.0nm  
 Render Index:Ra=86.7  
 R1 =87 R2 =94 R3 =97 R4 =84 R5 =85 R6 =90 R7 =87  
 R8 =70 R9 =27 R10=84 R11=84 R12=61 R13=89 R14=99 R15=81

**Photo Parameters:**

Flux: 2570.0 lm Fe: 8.0139 W Efficacy:136.0 lm/W

**Electrical Parameters:**

Luminaire: U=237.0V I=0.08468A P=18.90W PF=0.9420  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=31056(G=3,D=51)  
 REF=40484(R=4) %=0.000% PMT: 23.0 centigrade [29.7]

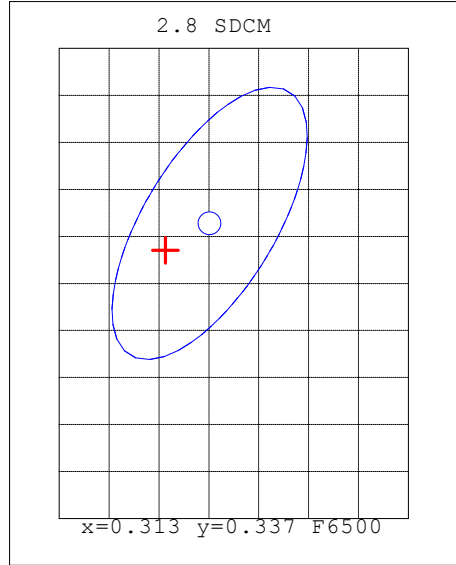
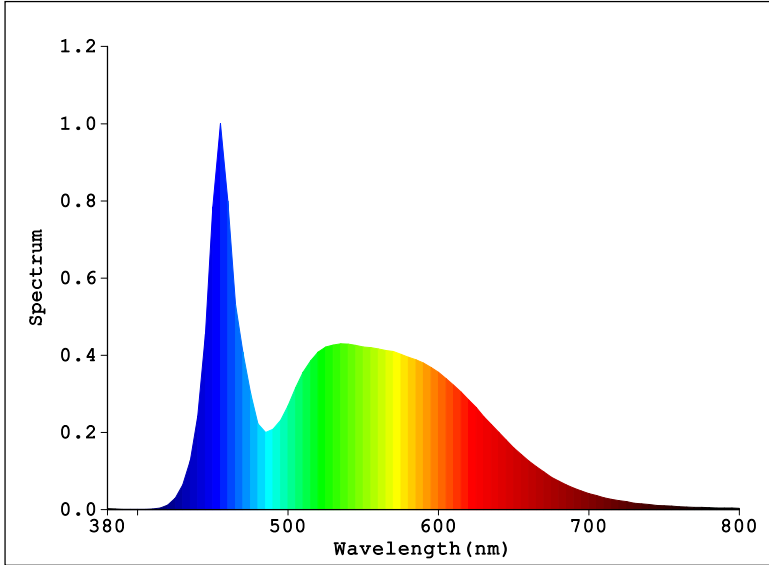
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Product Type:LIGHT  
 Number:N-00004  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:26:55  
 Instrument:PMS-80 (SN:11050034)

**SBAT-40W -20W**

**Light Source Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3092$  ( $dx=-0.0021$ )  $y=0.3347$  ( $dy=0.0132$ )  
 Chromaticity Coordinate:  $u'=0.1933$   $v'=0.4708$  ( $duv=7.84e-03$ )  
 Tc=6649K Dominant WL:Ld=492.4nm Purity=8.1% Centroid WL:539.0nm  
 Ratio:R=14.1% G=80.6% B=5.3% Peak WL:Lp=455.0nm HWL:20.6nm  
 Render Index:Ra=82.3  
 R1 =80 R2 =88 R3 =92 R4 =79 R5 =80 R6 =83 R7 =88  
 R8 =69 R9 =5 R10=71 R11=78 R12=50 R13=83 R14=96 R15=75

**Photo Parameters:**

Flux: 2516.7 lm Fe: 8.0404 W Efficacy:127.1 lm/W

**Electrical Parameters:**

Luminaire: U=236.9V I=0.08847A P=19.80W PF=0.9448  
 Lamp : U=0V I=0A P=0W PF=1.000

**Instrument Status:**

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  $I_p=52798$  (G=3,D=51)  
 REF=39151 (R=4)  $\% = 0.000\%$  PMT: 22.8 centigrade [29.7]

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Product Type:LIGHT  
 Number:N-00005  
 Temperature:25.3 deg  
 Test Operator:SGD LTD  
 Software:V2.00.122

Manufacturer:SGD LTD  
 Test Department:SGD LTD  
 Humidity:65.0%  
 Test Date:2024-02-28 19:29:05  
 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

