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: SLIM12W CCT DIM

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	N/A		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	Yes

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 260 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	3 000 or 4 000 or 5 700
On-mode power (P_{on}), expressed in W	12,0	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 — Height	200	Spectral power distribution in the	See image in last page
Outer dimensions — Width	200		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	48	range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440 0,403
Parameters for directional light sources:				
Peak luminous intensity (cd)		588	Beam angle in degrees, or the range of beam angles that can be set	117
Parameters for LED and OLED light sources:				
R9 colour rendering index value		9	Survival factor	0,90
the lumen maintenance factor		0,96		

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

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: SLIM18W CCT DIM

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	N/A		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	Yes

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 920 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	3 000 or 4 000 or 5 700
On-mode power (P_{on}), expressed in W	18,0	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 — Height	300	Spectral power distribution in the	See image in last page
Outer dimensions — Width	300		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	40	range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440 0,403
Parameters for directional light sources:				
Peak luminous intensity (cd)		779	Beam angle in degrees, or the range of beam angles that can be set	117
Parameters for LED and OLED light sources:				
R9 colour rendering index value		10	Survival factor	0,90
the lumen maintenance factor		0,96		

(a) '-' : not applicable;

(b) '-' : not applicable;

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: SLIM30W CCT DIM

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	N/A		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	Yes

Product parameters

Parameter	Value	Parameter	Value
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 (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	3 090 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	3 000 or 4 000 or 5 700
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 — Height	400	Spectral power distribution in the	See image in last page
Outer dimensions — Width	400		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	52	range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440 0,403
Parameters for directional light sources:				
Peak luminous intensity (cd)		1 322	Beam angle in degrees, or the range of beam angles that can be set	118
Parameters for LED and OLED light sources:				
R9 colour rendering index value		9	Survival factor	0,90
the lumen maintenance factor		0,96		

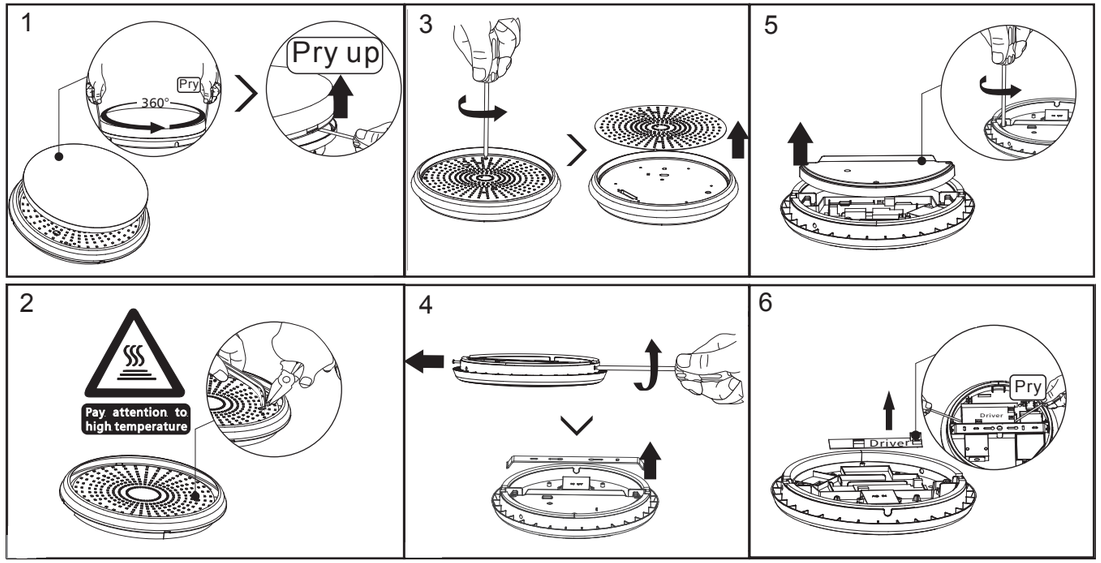
[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

- **This product contains a light source of energy efficiency class D**
- **The light source is not replaceable inside the luminaire**
- **The driver is non-isolated**
- **This product is double insulated so doesnt require an earth**
- **The control gear should be replaced by a qualified electrician**

DISASSEMBLY INSTRUCTIONS

1. Before disassembling, please make sure that the LED lamp is disconnected from the power supply.
2. To ensure that the LED is not damaged, please wear an effective static ring.
3. Disassembly occassionaly occurs using high temperatures. Please wear goggles, masks and protective gloves



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 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 pictured diagram on the back of this manual showing how to dismantle the product into different components which should be disposed correctly. These components would consist of plastic, metal and electronic materials. It is the responsibility of the end user to dispose of this product correctly. www.weeeireland.ie or contact your local council for further information.

For more information contact:

SGD
Solas Geal Distribution

Unit 7/8 Ashbourne Business Centre, Ballybin Road, Ashbourne, Co. Meath, Ireland, A84 YP58, **Phone:** 00353 1 835 7447

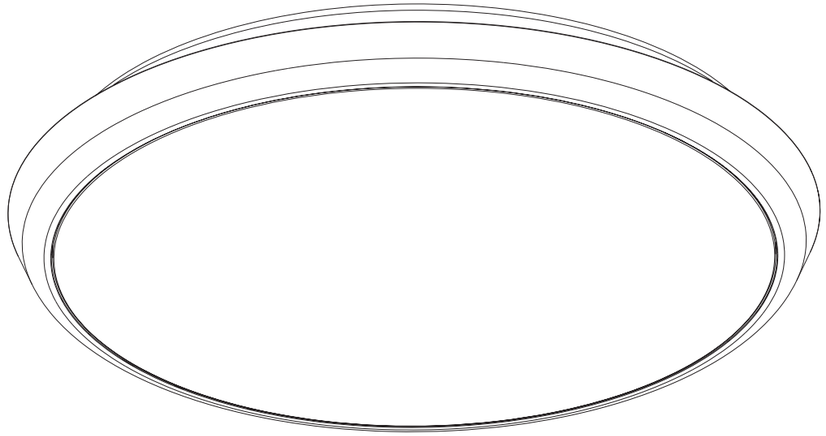
Unit 32 Junction One Business Park, Valley Road, Birkenhead, Merseyside, UK, CH41 7ED, **UK Ph:** 0330 551 7000

Website: www.sgd.ie

source

LED CEILING LIGHT USER GUIDE

SLIM CCT STANDARD MODELS 3 YEAR WARRANTY
EMERGENCY SENSOR MODELS 2 YEAR WARRANTY



A↑G F

SLIM 12W
SLIM 18 EM CCT

SLIM 18W
SLIM 18 SENS CCT

SLIM 30W CCT
SLIM 18 EMSENS CCT

3 year Quality Assurance · IP54 · ErP COMPLIANT · UKCA · CE · RoHS COMPLIANT

SAFETY INSTRUCTIONS

To ensure correct function and safety, please read and follow all instructions carefully before using the product:

1. Turn off power supply before installation or before doing any maintenance work.
2. Do not install any luminaire near the heat source.
3. IP grade please refer to product label, only IP54 can be used in damp locations.
4. Do not exceed the nominal supply voltage or amperage ratings.
5. Dimmable version should be compatible with a wide range of recommended TRIAC dimmers.
6. All wiring and installation of the light fitting must adhere to local and national wiring rules.
7. Take care not to pull any electrical wires during unpacking as this may damage the connection.
8. Lay out all the components on a smooth surface and make sure there are no components missing before assembling.
9. To avoid injury or damage to the fitting, please ensure that power leads and screws are secure before connecting the power.
10. Please keep instructions for future reference.

Installation Procedure

WARNING

1.Switch off before installation.
2.Switch on only after complete installation and examination of the circuit.
3.Professional electrician for installation and maintenance only.

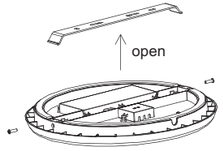
Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

Step 1

Take out the light and accessory pack from box.

Step 2

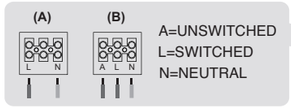
Remove screw, take out bracket.

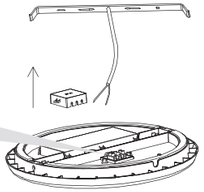


Step 3

(A) wiring diagram only for NON-emergency function light.
(B) wiring diagram only for Emergency function light.

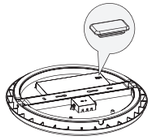
Fix bracket with screws into the ceiling.





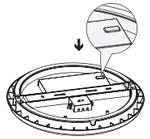
Step 4

For color changeable model (controlled by Slide Switch in lamp), please select light color before mounting to ceiling or wall, see below picture.



1. Take rubber stopper out from slide switch for color selection.

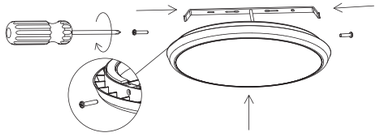
2. Choose color by slide switch with corresponding color temperature.



3. Insert rubber stopper back into slide switch properly.

Step 5

Mount ceiling light into the right place



Step 6

Switch on

Functions Instruction (For specific function, please refer to actual model)

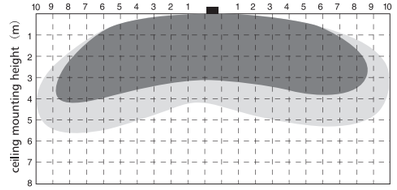
Emergency

Emergency function switches automatically between power cut and power restoration.

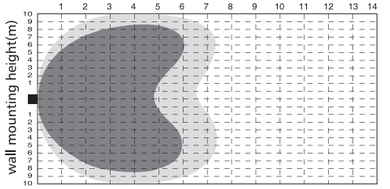
- Li battery, high efficiency
- Battery duration: 3 hours
- Charge period: 24 hours

Sensor

Detection area: 140 degree wide detective beam angle with **5-7 meters distance.**



Ceiling Mounting pattern (Unit: m)



Wall Mounting pattern (Unit: m)

High detection area　　Low detection area

Microwave sensor

- In any given lighting condition, the light switches on automatically when a presence is detected.
- After presence leaves, light will continuously work within HOLD TIME, then switch off automatically.
- After presence leaves, if any movement is detected within HOLD TIME, the light will continuously work for another hold time, then switch off until next movement is detected.
- Hold time: 30S

※ Optimum installation height：3M

Color changeable (controlled by Slide Switch in lamp) and dimmable

Please select light color before mounting to ceiling or wall, see STEP 4.

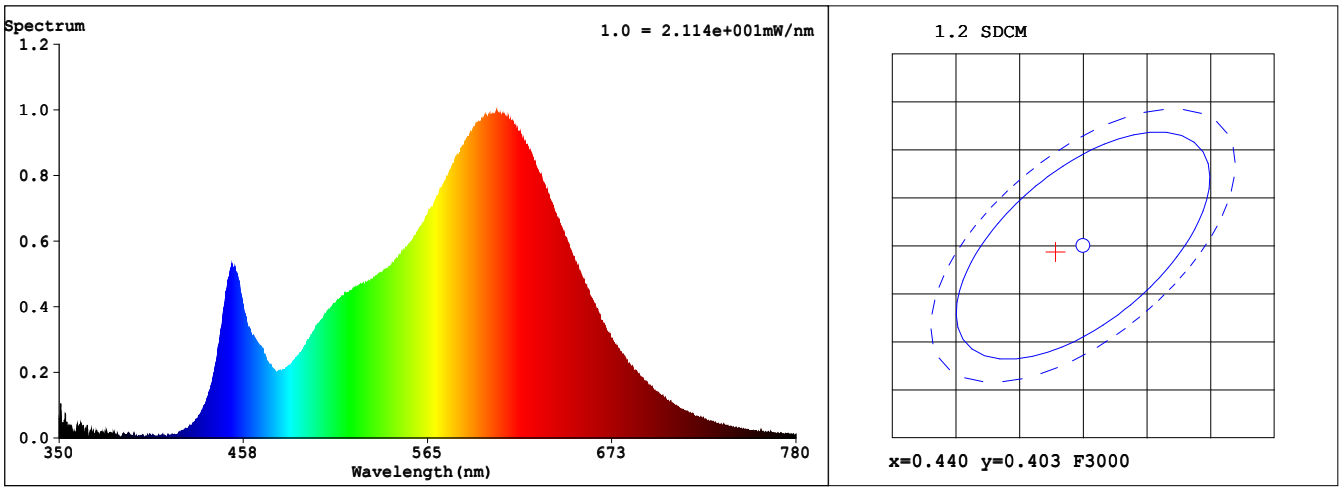
Spectrum Test Report

Sample		Date	: 2021-10-20 20:38:53
Specification	: SLIM 12W CCT DIM @ (3000K)	Sam. Status	:
Sample No.	: 1	Instrument	: HAAS - 2000
Manufacturer	: SGD LIMITED	Test by	: SGD LIMITED

Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 350nm-780nm	IP	: 1340 (2%)
Test Mode	: Fast Test	T	: 10 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.4378 y = 0.4024 / u' = 0.2519 v' = 0.5208 (duv=-8.09e-04)

CCT= 2971K Prcp WL: Ld=583.2nm Purity=52.2%

Peak WL: Lp=605nm FWHM: =118.7nm Ratio:R=23.4% G=73.8% B=2.8%

Render Index: Ra = 83.6

R1 =83	R2 =93	R3 =94	R4 =82	R5 =84	R6 =93	R7 =81	
R8 =58	R9 =8	R10=85	R11=83	R12=77	R13=86	R14=97	R15=74

Photometric & Radiometric Parameters

Flux = 993.52 lm Eff. : 84.69 lm/W Fe = 3.0266 W

Electrical parameters

V = 239.8 V I = 0.05420 A P = 11.73 W PF = 0.9024 F=49.99 Hz

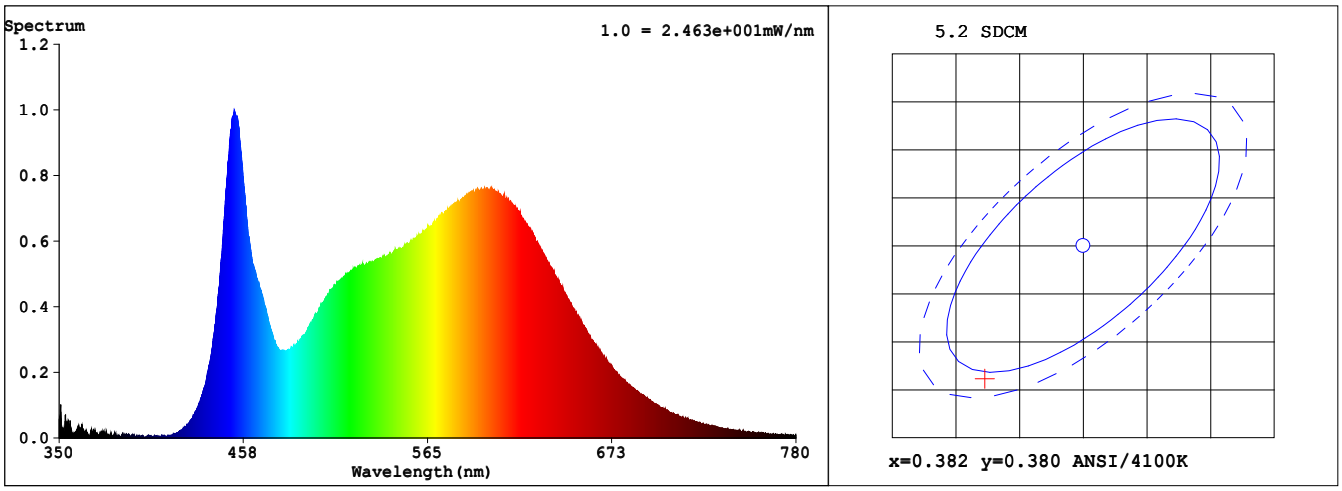
Spectrum Test Report

Sample		Date	: 2021-10-20 20:40:11
Specification	: SLIM 12W CCT DIM @ (4000K)	Sam. Status	:
Sample No.	: 2	Instrument	: HAAS - 2000
Manufacturer	: SGD LIMITED	Test by	: SGD LIMITED

Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 350nm-780nm	IP	: 1225 (2%)
Test Mode	: Fast Test	T	: 10 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3741 y = 0.3659 / u' = 0.2253 v' = 0.4957 (duv=-3.29e-03)

CCT= 4100K Prcp WL: Ld=580.9nm Purity=22.0%

Peak WL: Lp=452nm FWHM: =21.0nm Ratio:R=18.9% G=76.9% B=4.2%

Render Index: Ra = 86.8

R1 =87	R2 =94	R3 =96	R4 =85	R5 =87	R6 =90	R7 =86	
R8 =69	R9 =24	R10=85	R11=86	R12=67	R13=89	R14=99	R15=82

Photometric & Radiometric Parameters

Flux = 1065.6 lm Eff. : 94.45 lm/W Fe = 3.3409 W

Electrical parameters

V = 239.8 V I = 0.05246 A P = 11.28 W PF = 0.8967 F=49.99 Hz

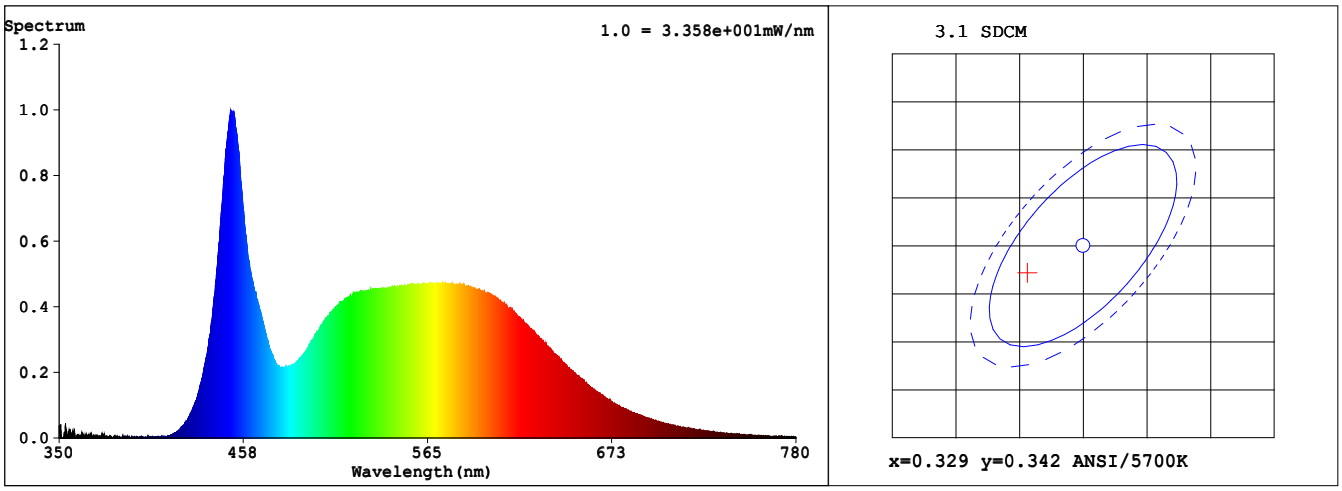
Spectrum Test Report

Sample		Date	: 2021-10-20 20:40:49
Specification	: SLIM 12W CCT DIM @ (5700K)	Sam. Status	:
Sample No.	: 3	Instrument	: HAAS - 2000
Manufacturer	: SGD LIMITED	Test by	: SGD LIMITED

Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 350nm-780nm	IP	: 1544 (2%)
Test Mode	: Fast Test	T	: 10 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3243 y = 0.3389 / u' = 0.2021 v' = 0.4752 (duv=2.60e-03)

CCT= 5870K Prcp WL: Ld=499.8nm Purity=2.8%

Peak WL: Lp=450nm FWHM: =20.3nm Ratio:R=14.4% G=80.5% B=5.1%

Render Index: Ra = 83.9

R1 =83	R2 =88	R3 =91	R4 =84	R5 =83	R6 =83	R7 =88	
R8 =70	R9 =12	R10=71	R11=84	R12=59	R13=84	R14=95	R15=78

Photometric & Radiometric Parameters

Flux = 1038.2 lm Eff. : 89.36 lm/W Fe = 3.3037 W

Electrical parameters

V = 239.8 V I = 0.05376 A P = 11.62 W PF = 0.9012 F=49.99 Hz

EU DECLARATION OF CONFORMITY

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

Declaration Number:
005-SLIM12WCCTDIM,005-SLIM18WCCTDIM,005-SLIM30WCCTDIM,
005-SLIM18WEMCCT,005-SLIM18EMSENSCCT,005-SLIM18WSENSCCT

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

Products:
Circular 12Watt ,18Watt & 30watt light fitting IP54. Dimmable, Sensors and Emergency

Model Number:
SLIM12WCCTDIM, SLIM18WCCTDIM, SLIM30CCTDIM,
SLIM18WEMCCT, SLIM18EMSENSCCT, SLIM18WSENSCCT

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

Low Voltage Directive (2014/35/EU)
EMC Directive 2014/30/EU
RoHS Directive (2011/65/EU)

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

EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-3:2013, EN60598-1:2015, EN60598-2-1:1989, EN62493:2015

Signed: Solas Geal Distribution Limited

Date: Signed 12/10/2022

Place of Issue: Republic of Ireland