

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, Unit 7/8 Ashbourne Business Centre Ballybin Road Ashbourne Co. Meath Ireland A84YP58

Model identifier: S2DMW

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:	NMLS	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	18	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°)	2 250 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 6 500
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 without separate control gear, light-	Height	76	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	315	
	Depth	76	
			See image in last page

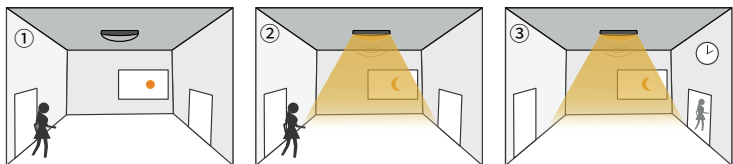
ing control parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,440 0,403
Parameters for LED and OLED light sources:			
R9 colour rendering index value	84	Survival factor	1,00
the lumen maintenance factor	0,00		

(a) : not applicable;

(b) : not applicable;

Dimming Control and Corridor Function

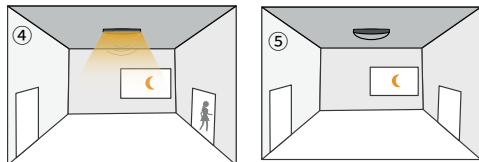
The daylight threshold is set to "50Lux/25Lux/10Lux;" stand-by period is set to "10s/15min".



With sufficient daylight, even when motion detected, light remains OFF.

With insufficient ambient brightness, light dims to 100% when motion was detected.

Light keeps on 100% within the holdtime.



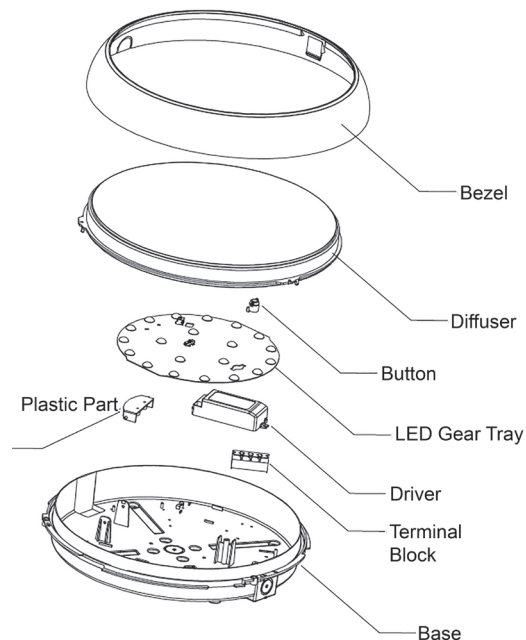
Light dims to standby level if no motion detected after holdtime.

After the stand-by period, light will go OFF.

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.weeireland.ie or contact your local council for further information.

Disassembly Diagram



Non-Replaceable Light Source

For more information contact: 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

Installation Manual

S2DMW, S2DMW-EM, S2DMW-SENS, S2DMW-EM-SENS



Important information

This product should be installed by a qualified electrician. It should be installed in accordance with the current Building and IEE wiring regulations.

Switch off the mains before commencing installation. This product is designed for connection to a 240V 50Hz supply. Any broken or damaged parts should be replaced. SGD does not accept responsibility for damaged or poor installation. This product is suitable for outdoor use as it has an IP rating of IP65.

Please note that emergency packs/batteries carry a 12 month warranty. LEDs are an inductive load and have higher inrush currents., it may be necessary to update your MCBs to compensate.

Product Specification

Multi Wattage	9W 14W 18W
Supply Voltage	240V~50Hz
IP Rating	IP65
CCT	3000k, 4000k, 6500k
Lumens	1080Lm, 1680Lm, 2160Lm
Dimmable	No
Impact Protection	IK08
Switching Cycle	25000
Life Time	50000 hrs
Material	Polycarbonate Enclosure

Battery Specification

Lumens in EM Mode	140Lm
Duration	3 Hours (180 Minutes)
Operating Temp	0°C~+50°C
Maximum Operating Humidity	90%
Change over time	Approximately 1s
Battery Specification	LifeP04 6.4V 1000mAh
Battery Charge Time	24 Hours
Battery Warranty	5 years

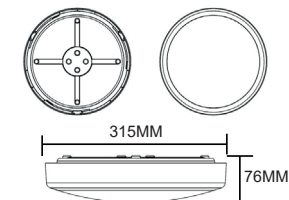
6500K 4000K 3000K The colour temperature is changeable between 6500K, 4000K, 3000K using the CCT switch on the driver before installation

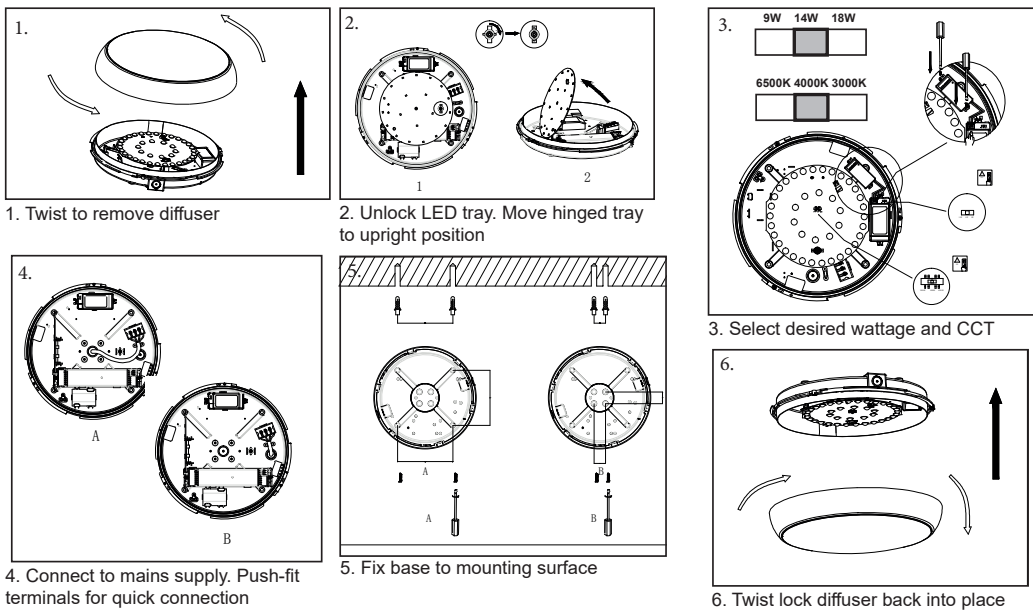
9W 14W 18W The wattage is changeable between 9/14/18W using the wattage switch on the driver before installation.

Installation

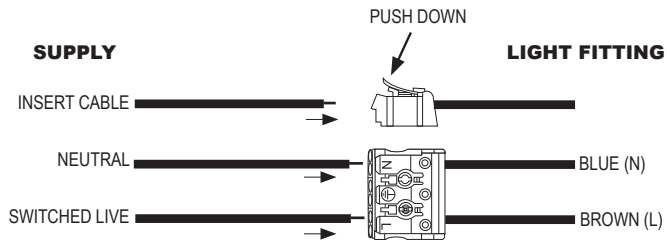
Existing fittings must be completely removed before installation of a new product. Before removing the existing fitting, carefully note the position of each set of wires. Note that the switch is turned off before installation. The ceiling surface must be flat and smooth to ensure a good fit. Ensure that the screws and cable entry points are sealed to maintain the IP rating of the product.

- Twist and remove the lamp cover from the product, keep safe for refitting later.
- Turn the clip to loose the LED tray in the rear casing.
- Using the rear casing as a template mark the position to drill out the fixing holes. Take care to avoid damaging any concealed wiring and pipes.
- Fix the rear casing into the position using the installation plugs and screws.
- Pull the cable through the cable entry hole and seal to maintain the IP rating and wire as per detailed Wiring Diagram overleaf.
- Refit the LED tray back into the rear casing and lock the clip.
- Twist the lamp cover back onto the product and lock in place.
- Replace fuse or circuit breaker and switch on. Your light is now ready for use



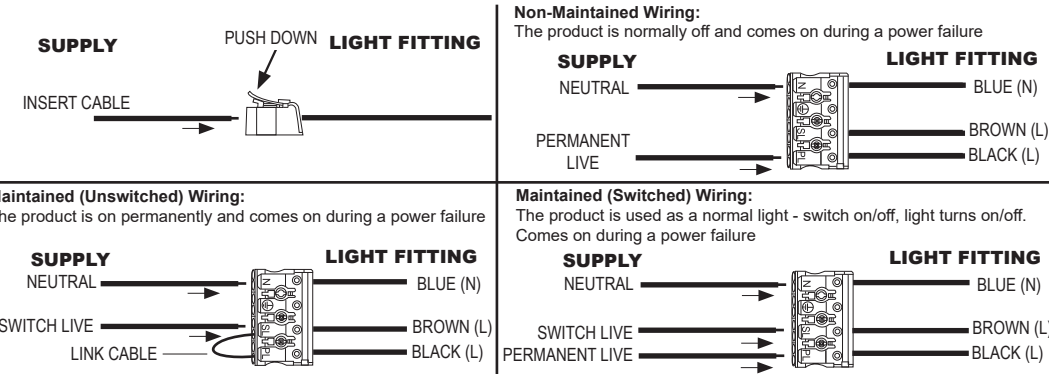


WIRING
Having correctly identified the wiring from your existing light fitting, pull the mains wire through the hole and connect to the quick fit connection block in the following way. No tools are necessary.
Check that:
You have correctly identified the wires - The connections are tight - No loose strands have been left out of the connection block.

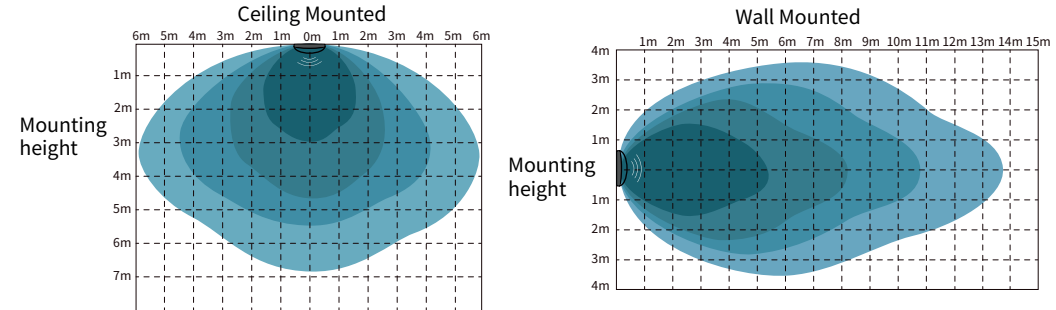


WIRING FOR EMERGENCY AND MICROWAVE SENSORS

This product is double insulated and must not be earthed. If there are any incoming earth cables. They must be joined together and well insulated with good quality insulation tape. This is to insure earth continuity throughout your property.
Having correctly identified the wiring from your existing light fitting, connect to the quick fit connection block in the following way, using the supplied link cables where necessary.



Sensor Information Sensitivity: 25% 50% 75% 100%



Sensitivity		Hold-time		Daylight threshold		Stand-by period		Stand-by dimming level	
DIP switch	1	DIP switch	2 3	DIP switch	4 5	DIP switch	6 7	DIP switch	8
100%	●	5s	● ●	Disable	● ●	0s	● ●	10%	●
50%	○	90s	○ ●	50Lux	○ ●	10s	○ ●	30%	○
		5min	● ○	25Lux	● ○	15min	● ○		
		10min	○ ○	10Lux	○ ○	+∞	○ ○		

Sensitivity: In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

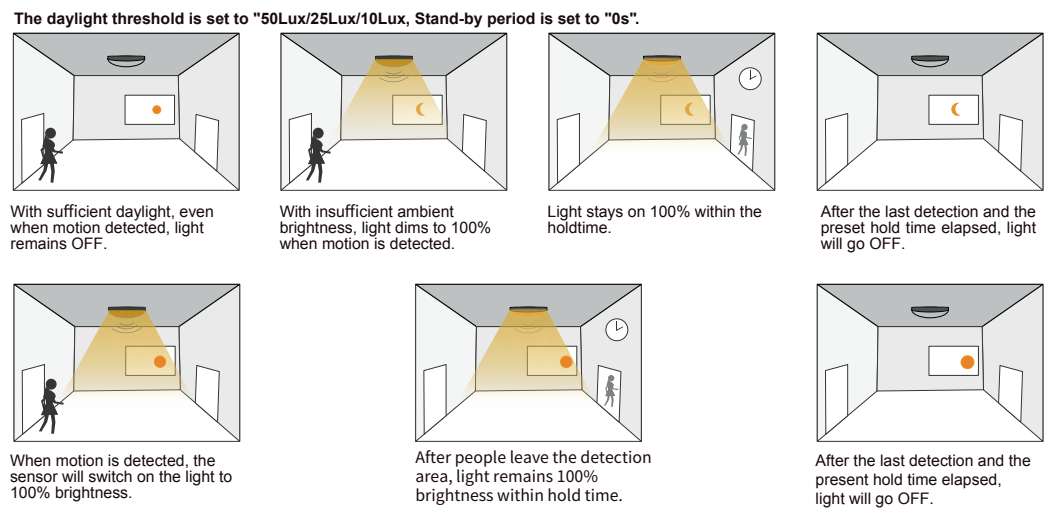
Hold-time: The period of light keeping 100% brightness after moving objects leave the detection area.

Daylight threshold: Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

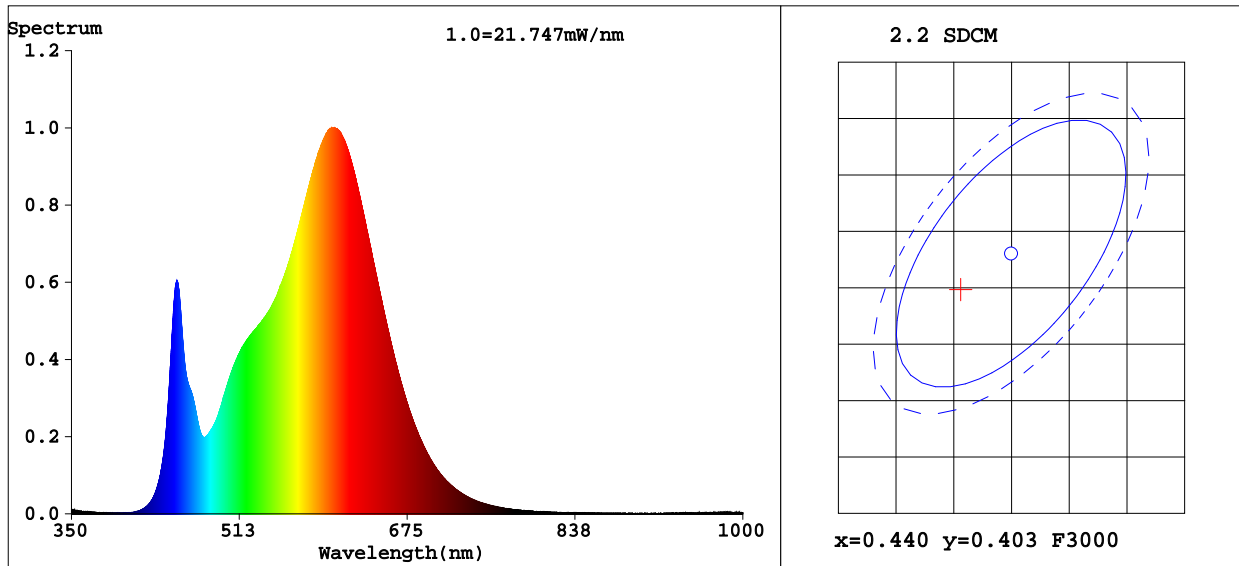
Stand-by period: The period of light keeping low output before it's completely switched off. When it's preset as "+∞", the light always keep at low output if no movement in the detection area and doesn't turn off.

Stand-by dimming level: The dimming level in the standby period.

On/Off Sensor Function



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4356 y=0.3998/u'=0.2516 v'=0.5195

CCT=2987K(Duv=-0.0015) Dominant WL:Ld =583.4nm Purity=50.8%

Ratio:R=23.3% G=74.0% B=2.8% Peak WL:Lp=604.5nm FWHM=119.9nm

Render Index:Ra=83.0

R1 =82 R2 =93 R3 =94 R4 =81 R5 =83 R6 =92 R7 =81

R8 =58 R9 =6 R10=84 R11=81 R12=74 R13=85 R14=98 R15=74

Photo Parameters:

Flux = 1037 lm Eff. : 116.52 lm/W Fe = 3.155 W

Electrical parameters:

V = 230.00 V I = 0.07000 A P = 8.900 W PF = 0.5530

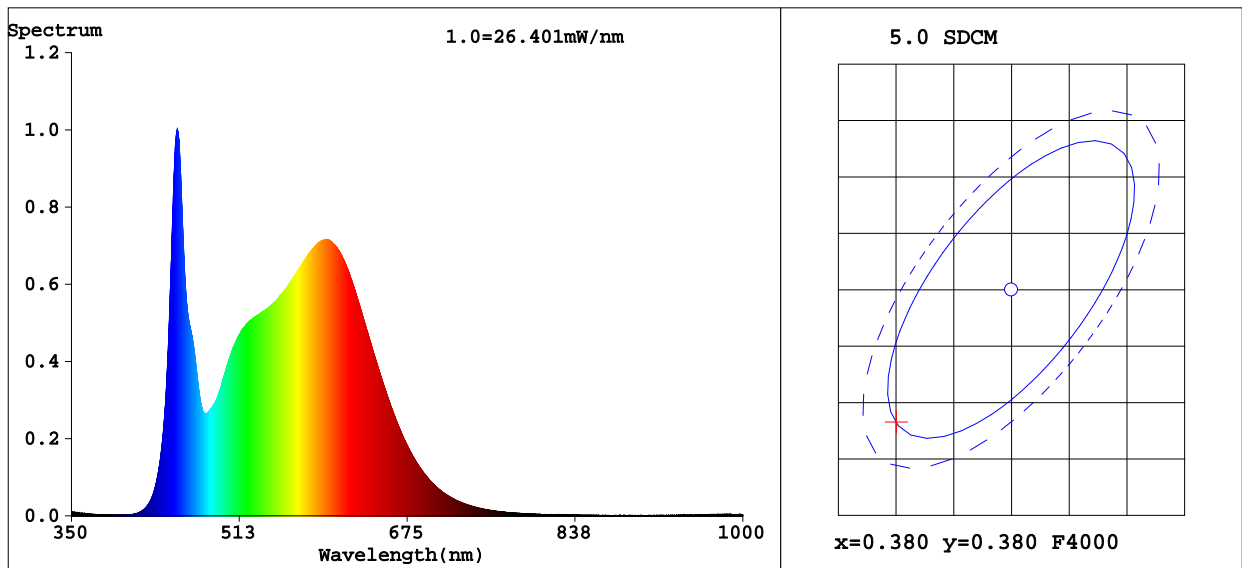
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 54197 (83%)

Model:S2DMW
Tester:cjd
Temperature:25Deg
Manufacturer:YG

Number:1
Date:2023-08-04 09:25
Humidity:65.0%
Remarks:IRL5372/9W

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3700$ $y=0.3682$ / $u'=0.2216$ $v'=0.4962$

CCT=4238K (Duv=-0.0009) Dominant WL:Ld =578.7nm Purity=21.5%

Ratio:R=18.2% G=77.5% B=4.3% Peak WL:Lp=452.4nm FWHM=19.5nm

Render Index:Ra=85.9

R1 =85	R2 =93	R3 =96	R4 =84	R5 =85	R6 =89	R7 =86	
R8 =68	R9 =18	R10=83	R11=84	R12=64	R13=88	R14=99	R15=79

Photo Parameters:

Flux = 1096 lm Eff. : 126.01 lm/W Fe = 3.395 W

Electrical parameters:

V = 230.00 V I = 0.06900 A P = 8.700 W PF = 0.5500

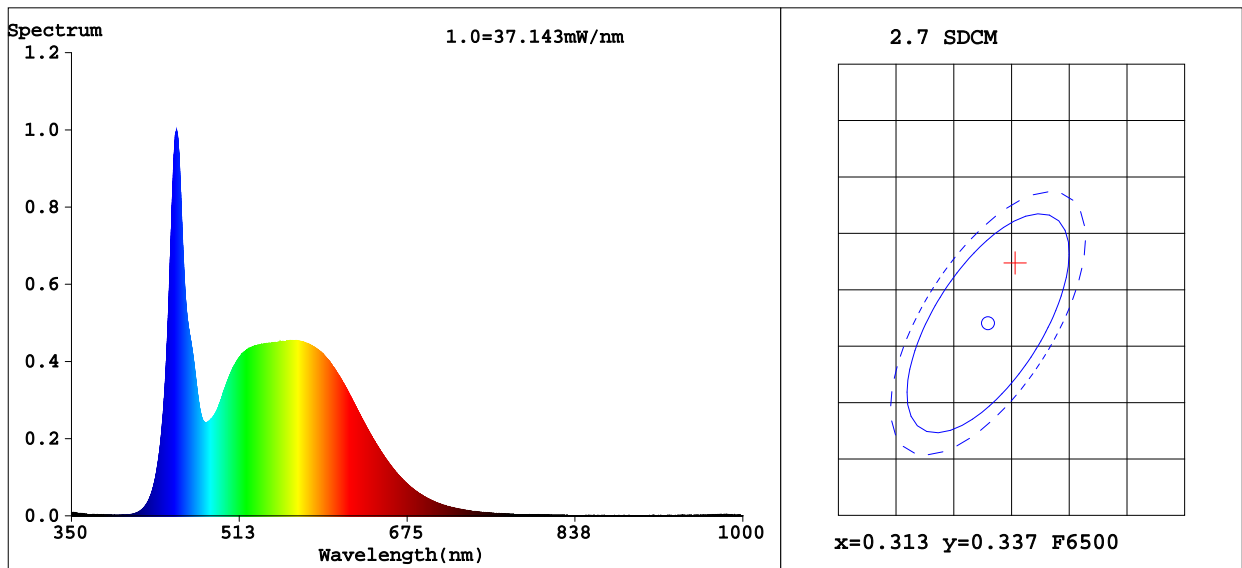
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 31 ms Ip = 50156 (77%)

Model:S2DMW
Tester:cjd
Temperature:25Deg
Manufacturer:YG

Number:2
Date:2023-08-04 09:36
Humidity:65.0%
Remarks:IRL5372/9W

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3153 y=0.3423/u'=0.1947 v'=0.4757

CCT=6284K(Duv=0.0086) Dominant WL:Ld =498.2nm Purity=5.6%

Ratio:R=13.0% G=81.3% B=5.6% Peak WL:Lp=451.7nm FWHM=19.3nm

Render Index:Ra=81.7

R1 =78 R2 =87 R3 =93 R4 =80 R5 =80 R6 =83 R7 =87

R8 =65 R9 =0 R10=71 R11=79 R12=56 R13=81 R14=97 R15=72

Photo Parameters:

Flux = 1102 lm Eff. : 123.87 lm/W Fe = 3.463 W

Electrical parameters:

V = 230.00 V I = 0.07000 A P = 8.900 W PF = 0.5520

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 24 ms Ip = 54230 (83%)

Model:S2DMW
Tester:cjd
Temperature:25Deg
Manufacturer:YG

Number:3
Date:2023-08-04 09:38
Humidity:65.0%
Remarks:IRL5372/9W



EU DECLARATION OF CONFORMITY

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

Declaration Number:
00101 – S2DMW

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

Products:
LED CCT Multi Watt Ceiling Light

Model Number:
S2DMW

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

Directive 2014/35/EU – Low Voltage Directive

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

EN IEC 55015:2019+A11:2020, EN 61547:2009,
EN IEC 61000-3-3:2013/A2:2021, EN IEC 55015:2019+A11:2020,
EN 61547:2009, BS EN IEC 55015:2019+A11:2020, BS EN 61547:2009,
BS EN IEC 61000-3-3:2013/A2:2021, BS EN IEC 55015:2019+A11:2020,
BS EN 61547:2009, BS EN IEC 60598-2-1:2021,
BS EN IEC 60598-1:2021+A11:2022, BS EN 62493:2015,
BS EN IEC 55015:2019+A11:2020, BS EN 61547:2009,
BS EN 61000-3-3:2013/A2:2021



Signed:

Date: 21/3/24

Place of Issue: Republic of Ireland

