

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: S55WTW5FT

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	N/A		
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	55	Energy efficiency class	D
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°)	8250Lm in Sphere (360°)	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	4 000
On-mode power (P_{on}), expressed in W	55,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
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	1 560	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	127	
	Depth	86	
			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)	0,381 0,380
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	1,00
the lumen maintenance factor	0,96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	6
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)	0,6	Stroboscopic effect metric (SVM)	0,9

(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: S35WSIN5FT

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	N/A		
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
-----------	-------	-----------	-------

General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	35	Energy efficiency class	F
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°)	3 850 in Sphere (360°)	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	4 000
On-mode power (P_{on}), expressed in W	35,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,50
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	1 560	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	82	
	Depth	86	
			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)	0,383 0,382
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	1,00
the lumen maintenance factor	0,96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	6
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)	0,6	Stroboscopic effect metric (SVM)	0,9

(a): not applicable;

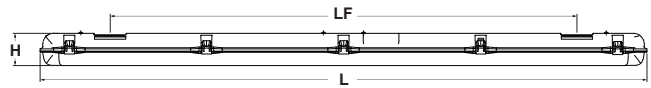
(b): not applicable;

Installation Guide



IP65 CO-PRO LED NON CORROSIVE

S22WTW2FT, S35WSIN5FT, S46WTW4FT, S55WTW5FT, S55WTW5FT-EM, S70TW6FT



Warning: Please Read the Instructions carefully before installation

Important Safety Information:

1. Before Installation or maintenance ensure that the mains supply is switched off.
2. This Led Non Corrosive should be installed by a qualified electrician only.

DO NOT DRILL THE BODY OF THE FITTING FOR MOUNTING PURPOSES. THIS FITTING IS DESIGNED FOR INSTALLATION USING THE CLIPS AND HOOKS PROVIDED AT THE MOUNTING POINTS ON THE FITTING. ANY DRILLED HOLES DURING INSTALLTION WILL VOID THE WARRANTY AND THE IP RATING OF THE FITTING.

Installation:

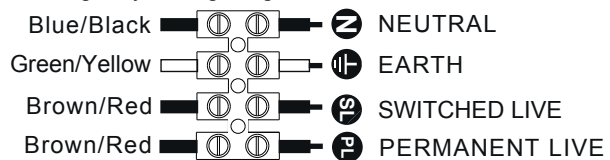
- Determine the fixing points and sizes from the table below or indicated on the box.
- If mounting on ceilings fix the Steel mounting clips securely. For suspended mounting please use hanging brackets provided.
- Remove the diffuser by unhinging Steel Clips remove Led Tray and gear.
- Select an entry point using any of the 20mm points provided. Please note provision must be made to protect the IP Rating of the fitting.
- Electrical Connections:

Model	Power	Description	L (mm)	W (mm)	H (mm)	LF (mm)
S22WTW2FT	LED	22W, 2420LM, IP65	650	127	86	347
S35WTW5FT	LED	22W, 3850LM, IP65	1560	82	86	1200
S46WTW4FT	LED	46W, 5060LM, IP65	1260	127	86	900
S55WTW5FT	LED	55W, 8250LM, IP65	1560	127	86	1200
S55WTW5FT-EM	LED	55W, 8250LM, IP65	1560	127	86	1200
S70WTW6FT	LED	70W, 7000LM, IP65	1860	145	103	930

THIS CO-PRO LUMINAIRE IS DESIGNED TO OPERATE TEMPERATURES RANGING -20 °C TO +25° C

Please note for Emergency version code only : S55WTW5FT-EM

Emergency wiring Diagram



Note: To convert the maintained fitting to non-maintained operation ,remove the link between terminals PL and SL.

Note: If the lamps is to be switched, remove the link from between terminal PL and SL and connect cable from your switch in SL.

Operation checks:

Periodic testing should be carried out to ensure the emergency light is operating correctly.

Daily:

Visual inspection of battery charge led.

Monthly:

Isolate the power supply for a period sufficient to ensure that each led is illuminated.

Quarterly Test:

Fitting must be inspected for functionality i.e. LED illuminated during charging and the Emergency led light is activated for 30minutes.

Annual Test:

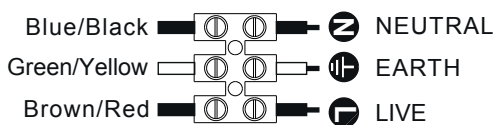
Fitting must be inspected for functionality i.e. LED illuminated during charging and the Emergency led light is activated for 3 Hours.

All test must be logged and compliant with I.S 3217:2013.

Battery Replacement:

If after routine operation checks and the led does not reman lit for three hour period, a new battery pack is required.

Replacement Battery type: Lifepo4 3.2v 6400mah

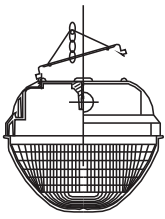


- Terminate the Supply Cable and Please note THE FITTING MUST BE EARTHED
- Replace the Gear Tray and Diffuser using the clips provided to secure to fitting.
- Restore Power supply for operation.

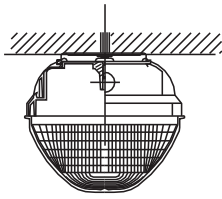
Installation

1. There are two ways to mount this lighting fixture.

a) using chain

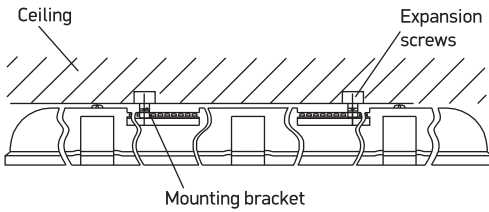


b) mounting bracket

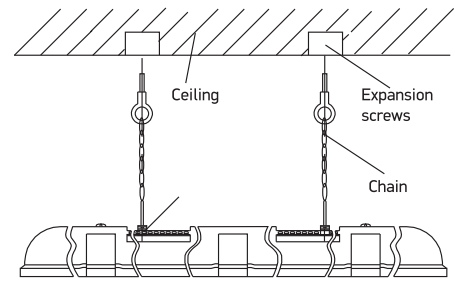


Side view of the mounting modes

b) Mounting brackets

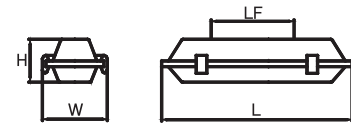
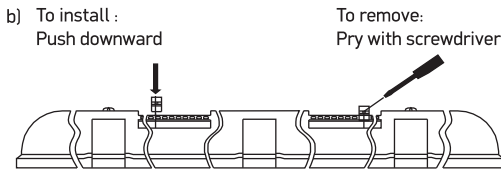
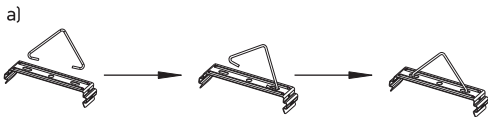


a) Chain mounting

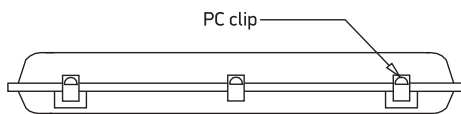


Model	Power	Description	L (mm)	W (mm)	H (mm)	LF (mm)
S22WTW2FT	LED	22W, 2420LM, IP65	650	127	86	347
S35WTW5FT	LED	22W, 3850LM, IP65	1560	82	86	1200
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S55WTW5FT	LED	55W, 8250LM, IP65	1560	127	86	1200
S55WTW5FT-EM	LED	55W, 8250LM, IP65	1560	127	86	1200
S70WTW6FT	LED	70W, 7000LM, IP65	1860	145	103	930

2. Mounting brackets installation and removal.



3. Close the diffuser and fasten the PC clips.



Warnings:

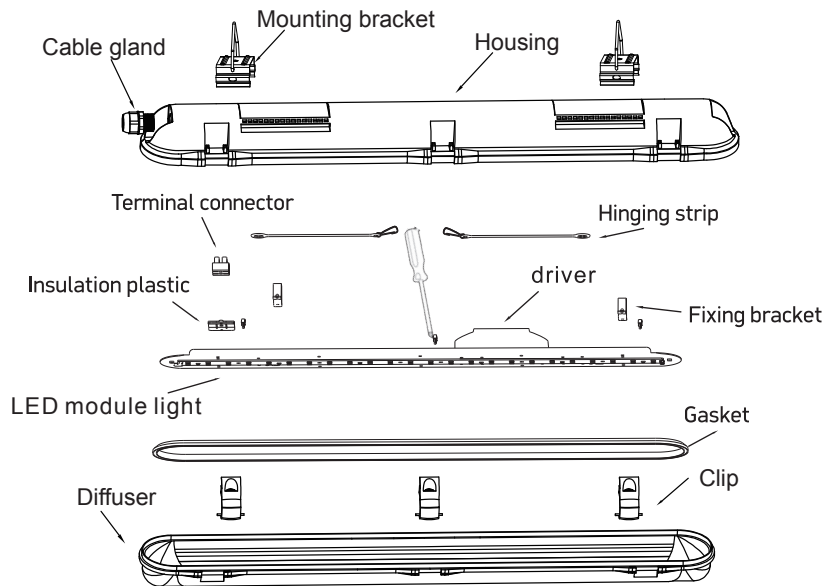
1. Make sure that the product is installed properly before connecting to electricity.
2. Maintenance and installation should only be carried out by a professional electrician.

Warning: This light fixture must be installed only by professional electrician, otherwise the manufacturer won't be responsible for any damages.

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



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

DIP Switch Setting

1. Detection Area (Sensitivity)

	1	2	
I	ON	ON	100%
II	-	ON	75%
III	ON	-	50%
IV	-	-	25%

2. Hold Time

	3	4	5	
I	ON	ON	ON	5S
II	-	ON	ON	30S
III	ON	-	ON	90S
IV	-	-	ON	3min
V	ON	ON	-	20min
VI	-	-	-	30min

3. Daylight Threshold

	6	7	8	
I	ON	ON	ON	2Lux
II	ON	ON	-	10Lux
III	-	ON	-	25Lux
IV	ON	-	-	50Lux
V	-	-	-	Disable

Product end of life instruction.

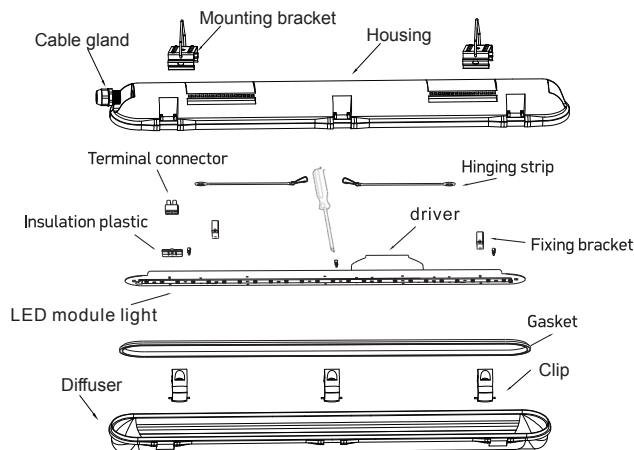
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*Disable means that the daylight sensor does not work. The sensor will turn on light once motion is detected regardless of ambient light level

Microwave Sensor

Operating voltage	220~240Vac, 50Hz
Rated load	200W(inductive), 400W (resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(standby), <1W(operation)
Detection zone	Max.(D x H): 12m x 6m
Detection sensitivity	10% / 25% / 50% / 75% / 100%
Hold time	10s / 30s / 90s / 3min / 20min / 30min
Daylight sensor	5lux / 15lux / 50lux / Disable
Mounting height	6m Max.
Motion detection	0.5~3m/s
Detection angle	150°(wall installation) 360°(ceiling installation)
Operating temperature	-20 C ~50 C
IP rating	IP20

Disassembly Diagram



LED IP65 CORROSION PROOF NON-CORROSIVE



Installation Instructions

Warning: Please read the Instructions carefully before installation

Important Safety Information:

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2. This Led Non Corrosive should only be installed by a qualified electrician.

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Installation:

- Determine the fixing points and sizes from the table below or indicated on the box.
- If mounting on ceilings fix the steel mounting clips securely. For suspended mounting please use hanging brackets provided.
- Remove the diffuser by unhinging steel clips remove Led Tray and gear.
- Select an entry point using any of the 20mm points provided. Please note provision must be made to protect the IP Rating of the fitting.
- Electrical Connections:

LIVE BROWN OR RED	L
EM Version only BROWN OR RED	SL
NEUTRAL BLUE OR BLACK	N
EARTH GREEN/ YELLOW	⊕

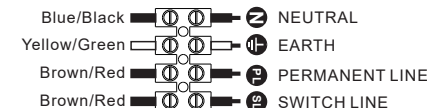
- Terminate the Supply Cable and Please note the fitting **MUST BE EARTHED**
- Replace the Gear Tray and Diffuser using the clips provided to secure to fitting.
- Restore Power supply for operation.

CODE	LAMP DESCRIPTION	L	W	H	LF
S55W M SENS	LED 55W 8250LM IP65 SENSOR	1560	127	86	750
S55W EME M SENS	LED 55W 8250LM IP65 EMERGENCY SENSOR	1560	127	86	750

THIS CO-PRO LUMINAIRE IS DESIGNED TO OPERATE TEMPERATURES RANGING FROM -25 °C TO 40 °C

Please note this is for Emergency version code only : S55W EME M SENS

Emergency wiring Diagram



Note: To convert the maintained fitting to non-maintained operation ,remove the link between terminals PL and SL.

Note: If the lamps is to be switched, remove the link from between terminal PL and SL and connect cable from your switch in SL.

Operation checks:

Periodic testing should be carried out to ensure the emergency light is operating correctly.

Daily Test:

Visual inspection of battery charge led.

Monthly Test: Isolate the power supply for a period sufficient to ensure that each led is illuminated.

Quarterly Test: Fitting must be inspected for functionality i.e. LED illuminated during charging and the Emergency led light is activated for 30minutes.

Annual Test: Fitting must be inspected for functionality i.e. that LED is illuminated during charging and the Emergency led light is activated for 3 Hours.

All tests must be logged and compliant with I.S 3217:2013.

Battery Replacement:

If after routine operation checks and the led does not remain lit for three hour period, a new battery pack is required.

Replacement Battery type: Lifepo4 3.2v 6400mah



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

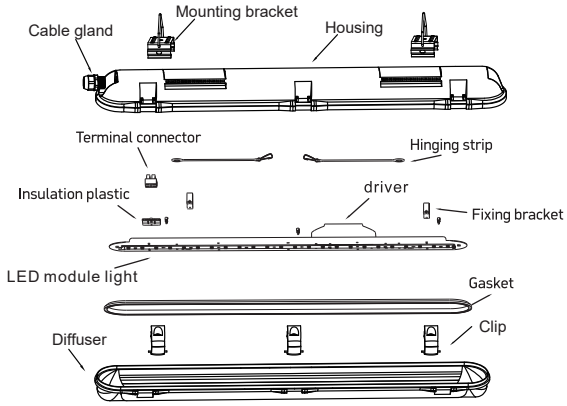
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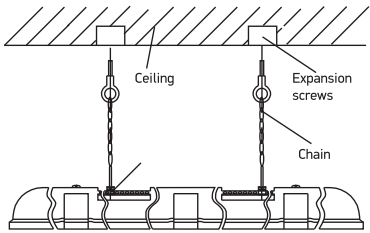
Solas Geal Distribution

Installation

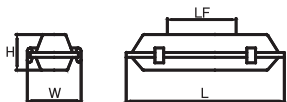


Warning: This light fixture must only be installed by a qualified electrician, otherwise the manufacturer will not be responsible for any damages.

a) Chain mounting

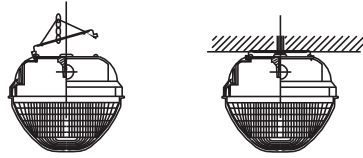


Model	Power	L (mm)	W (mm)	H (mm)	LF (mm)
S55W M SENS	55W	1560	127	86	1200
S55W EME M SENS	55W	1560	127	86	1200



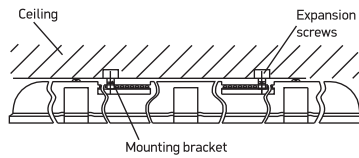
1. There are two ways to mount this lighting fixture.

a) using chain b) mounting bracket

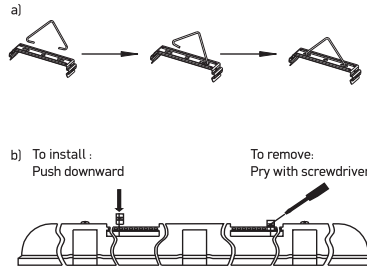


Side view of the mounting modes

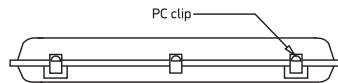
b) Mounting brackets



2. Mounting brackets installation and removal.



3. Close the diffuser and fasten the PC clips.

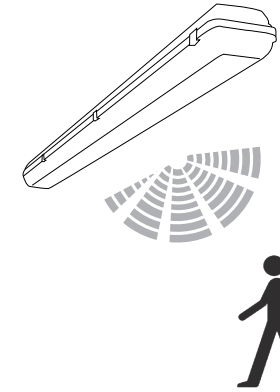
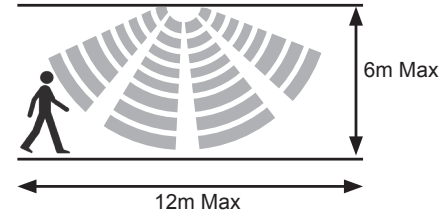


Warning:

1. Make sure that the product is installed properly before connecting to electricity.
2. Maintenance and installation should only be carried out by a professional electrician.

S55W Sensor Model Fixing Guidelines

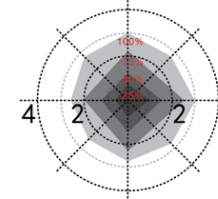
Ceiling Mounted



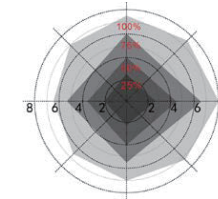
Radiation Pattern

1) Ceiling mounting

Ceiling mounted height: 3m
Sensitivity: 100%/75%/50%/25%

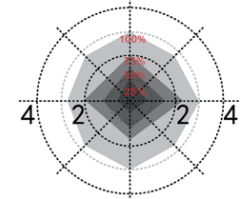


Normal moving (Speed: 1m/s)

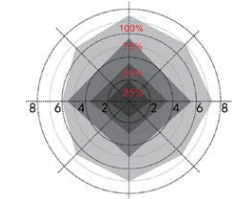


Slow moving (Speed: 0.3m/s)

Ceiling mounted height: 3.5m
Sensitivity: 100%/75%/50%/25%



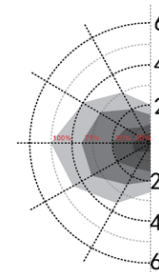
Normal moving (Speed: 1m/s)



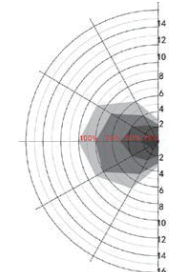
Slow moving (Speed: 0.3m/s)

2) Wall mounting

Horizon mounted height: 2m
Sensitivity: 100%/75%/50%/25%

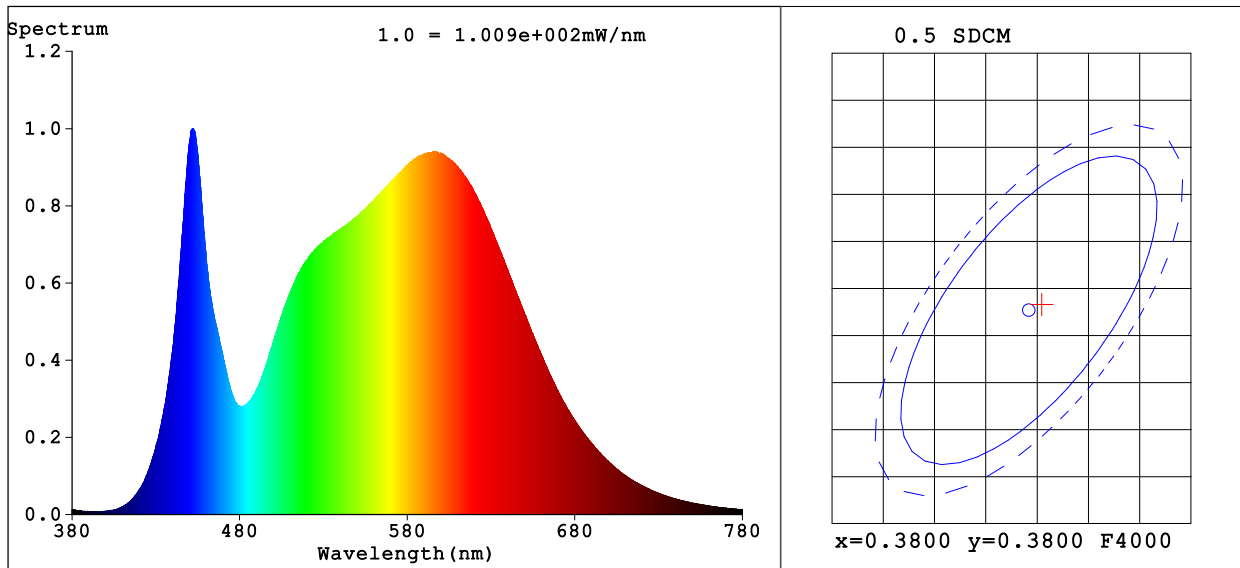


Normal moving (Speed: 1m/s)



Slow moving (Speed: 0.3m/s)

Spectrum Test Report



Colorimetric Quantities

Chromaticity Coordinate: $x=0.3811$ $y=0.3805$ $u'=0.2240$ $v'=0.5033$
 CCT=4010K (Duv=0.0016) Dominant WL:Ld =578.2nm Purity=28.5%
 Peak WL:Lp=452.0nm FWHM=23.7nm
 Render Index:Ra=84.2
 R1 =83 R2 =89 R3 =94 R4 =84 R5 =83 R6 =85 R7 =88
 R8 =68 R9 =16 R10=75 R11=83 R12=63 R13=84 R14=97 R15=77

Photometric & Radiometric Quantities

Flux = 6376 lm Eff. : 114.96 lm/W Fe = 19.54 W

Electrical parameters

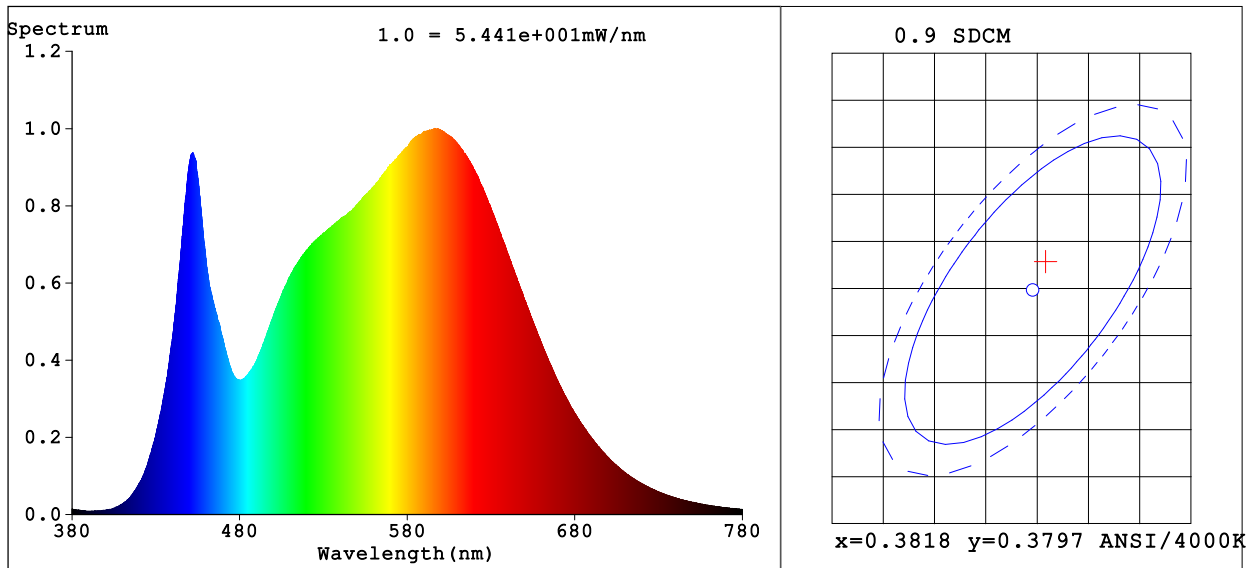
V = 230.0 V I = 0.2471 A P = 55.46 W PF = 0.9758
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 71 ms Ip = 56900 (87%)
 Test Mode: Fast Test; Delicacy = High; Tecool: ON

Model: S55WTW5FT
 Tester: SGD LIMITED
 Temperature:25.6Deg
 Manufacturer: SGD LIMITED

Number: 1
 Date: 2020-06-10 15:02:16
 Humidity: 61.0%
 Remarks:

Spectrum Test Report



Colorimetric Quantities

Chromaticity Coordinate: x=0.3829 y=0.3821/u'=0.2246 v'=0.5043
 CCT=3974K (Duv=0.0018) Dominant WL:Ld =578.2nm Purity=29.6%
 Peak WL:Lp=596.3nm FWHM=156.1nm
 Render Index: Ra=85.4
 R1 =84 R2 =91 R3 =96 R4 =84 R5 =84 R6 =88 R7 =88
 R8 =68 R9 =18 R10=78 R11=84 R12=68 R13=86 R14=98 R15=78

Photometric & Radiometric Quantities

Flux = 3524 lm Eff. : 100.41 lm/W Fe = 10.87 W

Electrical parameters

V = 230.0 V I = 0.1589 A P = 35.09 W PF = 0.9602
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 119 ms Ip = 52700 (80%)
 Test Mode: Fast Test; Delicacy = High; Tecool: ON

Model: S35WSIN5FT
 Tester: SGD LIMITED
 Temperature:25.3Deg
 Manufacturer: SGD LIMITED

Number: 1
 Date: 2020-07-20 16:10:51
 Humidity: 65.0%
 Remarks:



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.

Product Description:
IP65 LED 35W 5FT CORROSION PROOF LUMINAIRE

Product Code:
S35WSIN5FT

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

Low Voltage Directive (2014/35/EU)
EMC (2014/30/EU)
RoHS (2011/65/EU) & Amendment Directive (EU) 2015/863
Directive 2009/125/EC

(EU) 2019/2015 Regulation on Energy Labelling for Light Sources
(EU) 2019/2020 Ecodesign Requirements for Light Sources & Separate Control Gears

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

EN IEC 55015:2019+A11, EN61547:2009, EN 61000-3-3:2013+A1+A2,
EN IEC 61000-3-2:2019+A1, EN IEC 60598-1:2021+A11, EN IEC 60598-2-1:2021,
EN 62493:2015+A1, IEC TR 62778:2014, AFPS GS 2019:01 PAK, EN60598-2-22:2021



Signed:

Date: 22/01/24

Place of Issue: Republic of Ireland





EU DECLARATION OF CONFORMITY

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

Product Description:
IP65 LED 55W 5FT CORROSION PROOF LUMINAIRE

Product Code:
S55WTW5FT

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

Low Voltage Directive (2014/35/EU)
EMC (2014/30/EU)
RoHS (2011/65/EU) & Amendment Directive (EU) 2015/863
Directive 2009/125/EC

(EU) 2019/2015 Regulation on Energy Labelling for Light Sources
(EU) 2019/2020 Ecodesign Requirements for Light Sources & Separate Control Gears

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

EN IEC 55015:2019+A11, EN61547:2009, EN 61000-3-3:2013+A1+A2,
EN IEC 61000-3-2:2019+A1, EN IEC 60598-1:2021+A11, EN IEC 60598-2-1:2021,
EN 62493:2015+A1, IEC TR 62778:2014, AFPS GS 2019:01 PAK, EN60598-2-22:2021



Signed:

Date: 29/01/24

Place of Issue: Republic of Ireland

