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: -

Model identifier: EWC320LED Range

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Fixed		
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:	Only with specific dimmers

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	27	Energy efficiency class	G
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)	73 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	2 634
On-mode power (P_{on}), expressed in W	27,0	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	54
Outer dimensions without separate control gear, light-	Height: 50 Width: 25 600 Depth: 10	Spectral power distribution in the range 250 nm to 800 nm, at full-load	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)	0,476 0,431
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,00
the lumen maintenance factor		0,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,00	Colour consistency in McAdam ellipses	0
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)	-

[a] '-' : not applicable;

[b] '-' : not applicable;

Installation Instructions
320LED String Set

Product Codes: E320LED-WW, E320LED-WH, E320LED-BE, E320LED-RD, E320LED-CC+CON

Waterproof LED Source Light String is an innovative lighting addition to the decorative lighting series. With adjustable bulb spacing and different numbers of bulbs, GS & CE compliant, and an IP rating of IP44, it is absolutely waterproof & safe for outdoor application. It is extremely safe, literally non-destructible under normal use and unique rugged construction for shock-proof quality. It creates an elegant lighting effect and is user-friendly and practical to use everywhere. It is perfectly designed to decorate a building, for parties, stage performances, photoshop backgrounds or simply wrapped around ornaments, over windows, staircases, shelves, exterior walls or trees.

Important: Do not cut cable to take off plug as this will void your warranty

SPECIFICATION:

Model	Colour	Rated Power	Bulb Specification	Number of Bulbs	Max. Connected Quantity	Rated Power
EWC320LED-BL	Blue	220-240V, 50Hz	3.2-4.0V, 20mA	320	4	27W
EWC320LED-WW	Warm White	220-240V, 50Hz	3.2-4.0V, 20mA	320	4	27W
EWC320LED-WH	Clear	220-240V, 50Hz	3.2-4.0V, 20mA	320	4	27W

HOW TO EXTEND THE LED PLAY LIGHT STRING:

a. Disconnect from the mains
b. Turn the plastic end cap anticlockwise to remove it from the lighting chain (1).
c. Remove power cord from the extension lighting chain (2).
d. Connect both ends of the lighting chain (the male and female halves plug into each other). Make sure all gaskets are in place and connectors are firmly tightened and secured (3).
e. Turn the plastic end cap clockwise to lock on the last lighting chain. Make sure the gasket is in place and end cap is firmly tightened and secured (4).

(1)

(2)

(3)

(4)

HOW TO USE:

a. Uncoil light String
b. Hang main cable on the rod with tie straps (Distance between the tie straps shall be maximum 50 cm)

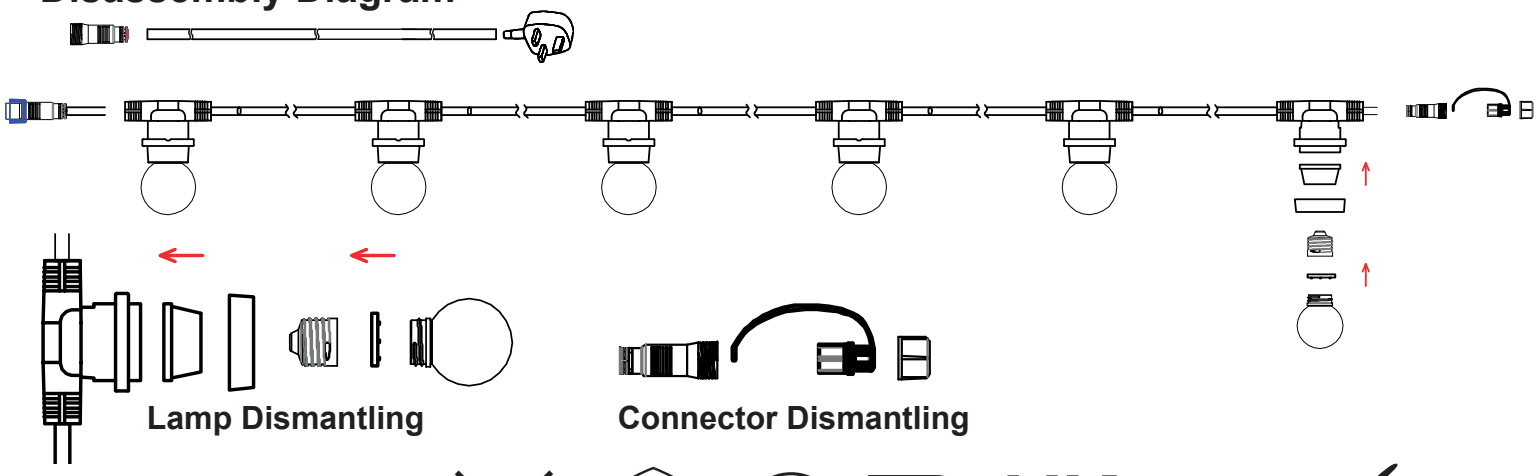
CAUTION:

- Do not connect the chain to the power supply while it is in the packing.
- The lamps cannot be replaced.
- The external flexible cable or cord of this lighting chain cannot be replaced, if the cord is damaged, the product must be discarded.
- For indoor and outdoor use.
- Do not mount or place near gas or electric heaters, fireplaces, candles or other similar sources of heat.
- To prevent overheating, never exceed the maximum number of interconnections as shown in the table above.
- Warning - this lighting chain must not be used without all gaskets being in place.
- Do not secure the wiring of the product with staples or nails, or place on sharp hooks or nails.
- Unplug the product when leaving unattended.
- This is an electric product - not a toy. To avoid risk of fire, burns, personal injury and electric shock it should be kept out of reach of children.
- Do not use this product for anything other than its intended use.
- Do not hang ornaments or other objects from cord, wire, or light string.
- Do not close doors or windows on the product or extension cords as this may damage the wire insulation.
- Do not cover the product with cloth, paper or any material not part of the product when in use.
- When the product is placed on a live tree, the tree should be well maintained and well secured.
- Before using or reusing, inspect product carefully. Discard any products that have cut, damaged, or frayed wire insulation or cords, cracks in the lamps or enclosures, loose connections, or exposed copper wire.
- When storing the product, carefully remove the product from wherever it is placed, including trees, branches, or bushes, to avoid any undue strain or stress on the product conductors, connections, and wires.
- This product contains recyclable materials. Do not dispose this product as unsorted municipal waste.
- Do not cut cable to take off plug as this will void your warranty.

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 pictured diagram 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. www.weeeireland.ie or contact your local council for further information. Some local authorities accept small electricals such as Christmas tree lights as part of their home recycling scheme. If yours does there may be special instructions on how to put them out for collection - for example, place them in a clear plastic bag tied to your recycling bin. It is best to check with them first. Do not put the lights directly into your recycling bin.

Disassembly Diagram



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For more information contact:

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

SGD
Solas Geal Distribution

Website: www.sgd.ie

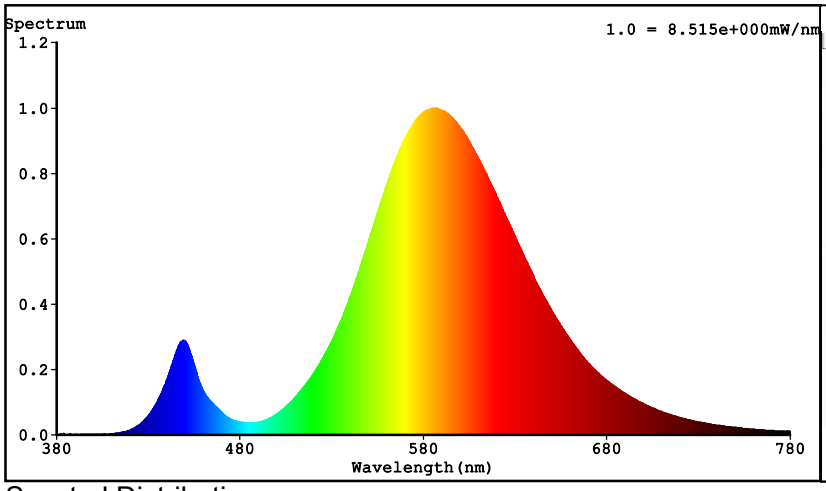
Spectrum Test Report

Sample	: EWC320LED WW	Date	: 2022-06-09 14:18:34
Specification	: LED-PLR-320-25.6M-240V-WW-BL	Standardtus	:
Sample No.		Instrument	: HaasSuite
Manufacturer	: SGD Ltd	Test by	:
Assessor	:		
Remark	:		

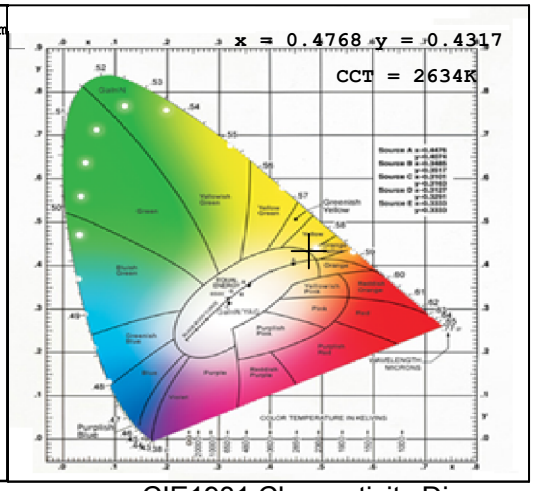
Test Condition

Temprature	: 25Deg	RH	: 45%
WL Range	: 380nm-780nm	IP	: 50453 (77%)
Test Mode	: Accuracy Test	T	: 294 ms
Sensitivity	: High		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.4768 y = 0.4317 / u' = 0.2639 v' = 0.5376 (duv=6.22e-03) Dx,Dy:0.0114,0.0199

CCT= 2634K Prcp WL: Ld=582.8nm Purity=72.7%

Peak WL: Lp=587nm FWHM: =94.3nm Ratio:R=21.0% G=78.2% B=0.8%

Render Index: Ra = 54.9

R1 =47	R2 =70	R3 =92	R4 =43	R5 =43	R6 =54	R7 =71	
R8 =20	R9 =0	R10=33	R11=25	R12=13	R13=50	R14=95	R15=40

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 368.97 lm Eff. : 58.72 lm/W Fe = 961.08 mW

Flux of emitted photons(μmol/s):4.7156 Fluo. and blue light ratio:13.41 Fluorescent eff.:127.8

Electrical parameters

V = 240.23 V I = 0.02914 A P = 6.284 W PF = 0.8975 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

Declaration Number	Declaration Number	Declaration Number	Declaration Number
048-E320LED-WH	048-E120LED-WW	048-E5M80LEDICE-WW	048-E32024V-WH
048-E320LED-BE	048-E120LED-BE	048-ECURT2X2-WH	048-E32024V-WW
048-E320LED-RD	048-E120LED-RD	048-ECURT2X2-BE	
048-E320LED-WW	048-E120LED-WW	048-ECURT2X2-WW	
048-E320LED-CC+CON	048-E120LED--CC+CON	048-EWCURT2X2 WH-WW	

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

Products:
LED Lighting Chain 220v and 24v Black &White cables

Model Number:

Codes	Codes	Codes	Codes
E320LED-WH	E120LED-WW	E5M80LEDICE-WW	E32024V-WH
E320LED-BE	E120LED-BE	ECURT2X2-WH	E32024V-WW
E320LED-RD	E120LED-RD	ECURT2X2-BE	
E320LED-WW	E120LED-WW	ECURT2X2-WW	
E320LED-CC+CON	E120LED--CC+CON	EWCURT2X2 WH-WW	

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)

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

EN55015:2013, EN61000-3-2-2014, EN61000-3-3:2013, EN61547:2009, EN60598-2-20:2015, EN60598-1:2015, EN62493:2015

Signed: Solas Geal Distribution Limited

Date: Signed 15/09/2022

Place of Issue: Republic of Ireland