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: Rope Light 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	110	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)	50 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	77
On-mode power (P_{on}), expressed in W	110,0	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	71
Outer dimensions without separate control gear, light-	Height: 13 Width: 13 Depth: 50 000	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page

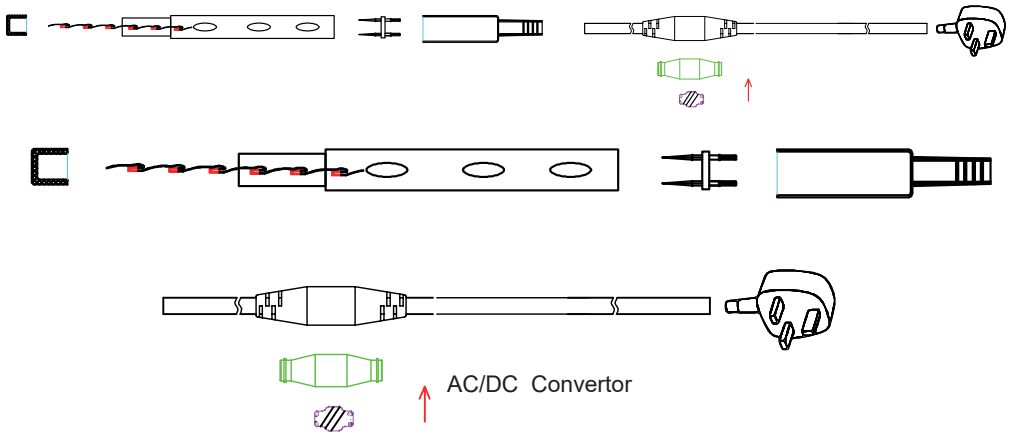
ing control parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,288 0,293
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,00
the lumen maintenance 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;

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



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

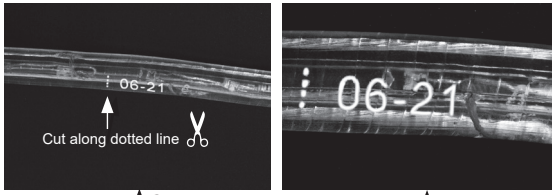
Solas Geal Distribution

Installation Instructions
50Mt LED Rope Light
Product Code: RL-WHLED, RL-WWLED, RL-BELED, RL-RDLED

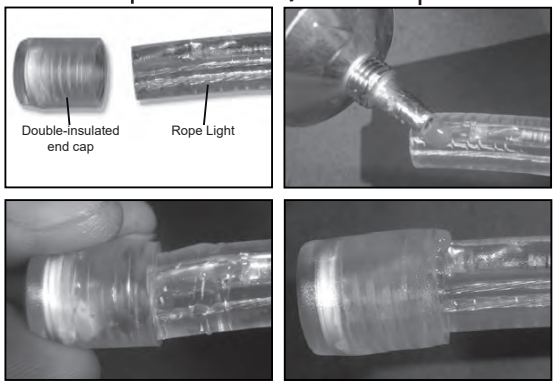
SPECIFICATION:

Model	Type	Colour	Rated Voltage	Power	IP rating
RL-WHLED	LED-DL-2.77cm-13mm-2w-50m-220v	Clear	220-240V, 50/60Hz	110w	IP44
RL-WWLED	LED-DL-2.77cm-13mm-2w-50m-220v	Warm White	220-240V, 50/60Hz	110w	IP44
RL-BELED	LED-DL-2.77cm-13mm-2w-50m-220v	Blue	220-240V, 50/60Hz	110w	IP44
RL-RDLED	LED-DL-2.77cm-13mm-2w-50m-220v	Red	220-240V, 50/60Hz	110w	IP44

CONNECTING A LED ROPE LIGHT TO THE END FITTING

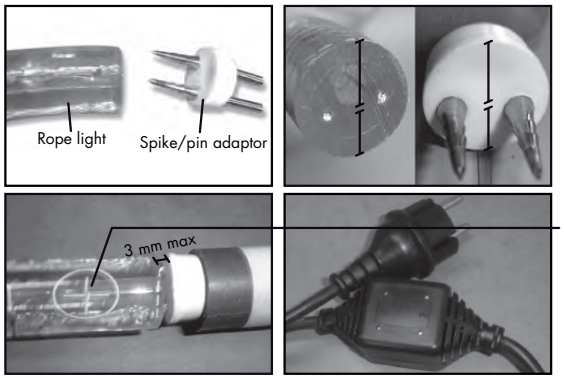


Warning: All these operations must be performed with the power off.
1.Use an end cap with the white dot on the inside to provide double insulation.
Warning: The + symbol must not be visible on the end of the LED rope light, because this would necessarily indicate that an error had occurred in the connection of the power supply cable with rectifier.
2. Apply PVC adhesive (Tangit type) to the circumference of the rope light over a length of 10 mm.
Warning: Please make sure that no adhesive gets into the inner part of the lamp cable because it could damage the internal isolation.
3. Push the end cap fully over the rope light.



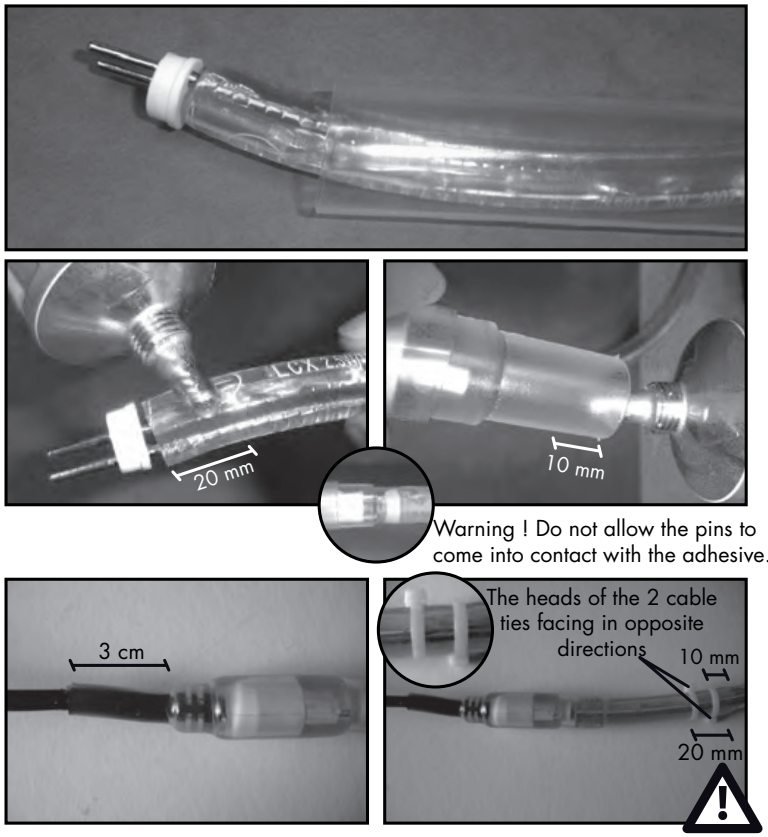
CONNECTING A LED ROPE LIGHT TO THE POWER SUPPLY CABLE

Warning: All of these operations must be performed with the power off.
**Power should be supplied to the rope light at the end identified by a "+" symbol close to the cut.*
1. Use a spike/pin adaptor to connect the rope light to the power supply cable.
Warning: The two strands of the rope light are not centred vertically; the same applies to the 2 spikes.
2. Power should be supplied to the rope light at the end identified by a "+" symbol close to the cut.
3. Push the 2 spikes into the centre of the 2 strands. For LED rope lights, these 2 spikes should be pushed in at the end marked +.
4. Slide a 19 cm heat-shrink sheath over the

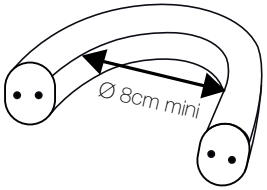


rope light.

5. Apply PVC adhesive (Tangit type) to the circumference of the rope light (over a length of 20 mm) and a thin film of adhesive inside the connector (over a length of 10 mm) and fully insert the 2 split pins into the connector.
6. Move the heat-shrink sheath over the power supply cable until there is a 3 cm overlap. Shrink it uniformly using a hot air gun, starting at the power cable end and moving gradually towards the rope light.
7. While the sheath is still hot, fix 2 cable ties (3 mm wide), one at 10 mm and the other at 20 mm from the end of the sheath.
8. Allow the connection to cool fully before moving it.

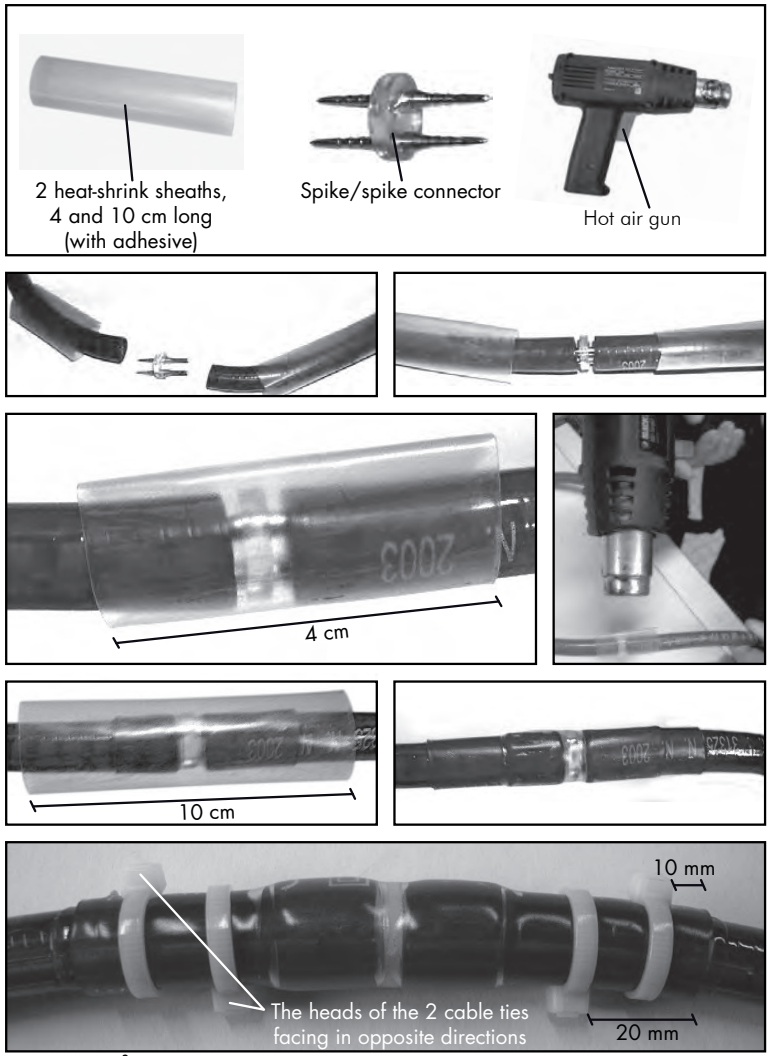


CONNECTING BETWEEN TWO LED ROPE LIGHTS



Warning: All of these operations must be performed with the power off.
**Power should be supplied to the rope light at the end identified by a "+" symbol close to the cut.*

- Place the heat-shrink sheath with adhesive on each section of the rop e light. Then insert the connector into the two sections of the rope light.
- Place the first, 4 cm long, heat-shrink sheath over the connection and use the hot air gun.
- Place the second, 10 cm long, heat-shrink sheath over the first and heat it with the hot air gun, starting at the centre and moving gradually towards the ends.
- While the sheath is still hot, fix 4 cable ties (3 mm wide), 2 at each end: one at 10 mm and the other at 20 mm from the end of the sheath.
- Do not bend the connection thus produced.
- Allow the connection to cool fully before moving it.



CAUTION:

- Do not connect the rope light to the supply while it is in the packing or wound onto a reel
- Do not use the rope light when covered or recessed into a surface
- Do not connect this rope light to another manufacturer's product.
- Interconnection shall be made only by the use of the supplied connectors. Any open ends must be sealed-off before use.
- If the external flexible cable or cord (max 100mt of one power cord) of this luminaire is damaged, it must be replaced by a special cord or cord exclusively available from the manufacturer or his service agent. The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire must be replaced.
- For outdoor use, the string should be connected to an electrical outlet that is protected from water splashes.

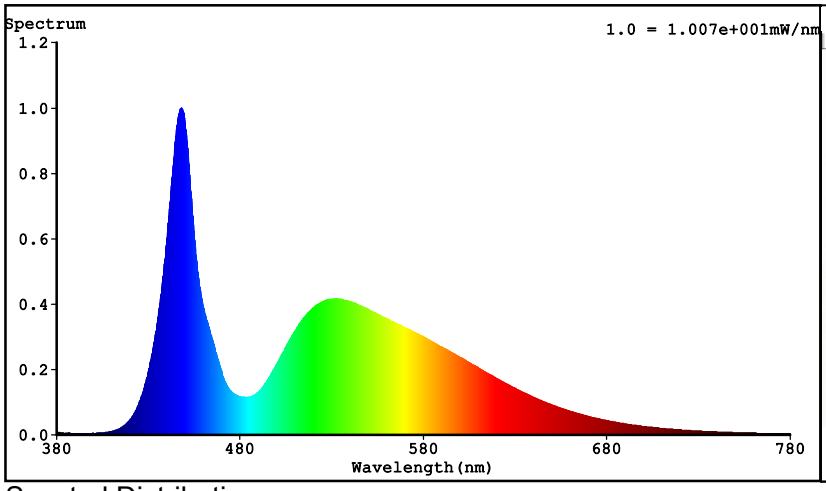
Spectrum Test Report

Sample		Date	: 2022-06-17 11:09:11
Specification	: LED-DL-2.77CM-13mm-2W-50m-220V-W		
Sample No.	: LED Rope Light	Instrument	
Manufacturer	:	Test by	
Assessor	: SGD Ltd		
Remark	:		

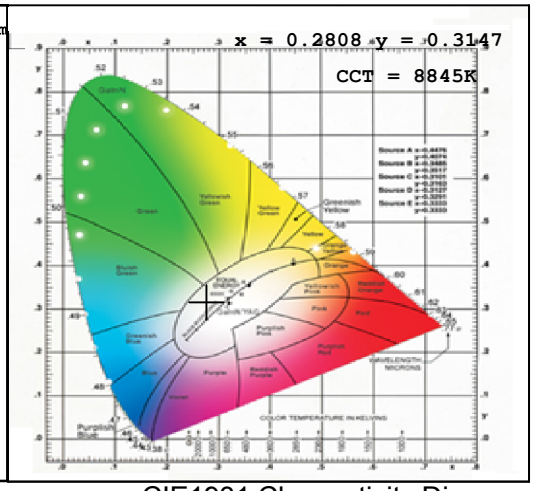
Test Condition

Temperature	: 25Deg	RH	: 45%
WL Range	: 380nm-780nm	IP	: 47372 (72%)
Test Mode	: Accuracy Test	T	: 563 ms
Sensitivity	: High		

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.2808 y = 0.3147 / u' = 0.1807 v' = 0.4557 (duv=1.33e-02) Dx,Dy:-0.0073,0.0178

CCT= 8845K Prcp WL: Ld=487.0nm Purity=19.2%

Peak WL: Lp=448nm FWHM: =18.6nm Ratio:R=9.8% G=85.3% B=4.9%

Render Index: Ra = 71.4

R1 =67	R2 =73	R3 =78	R4 =71	R5 =70	R6 =67	R7 =83	
R8 =62	R9 =0	R10=37	R11=69	R12=41	R13=68	R14=88	R15=62

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 226.41 lm Eff. : 70.52 lm/W Fe = 732.44 mW

Flux of emitted photons(μmol/s):3.2208 Fluo. and blue light ratio:1.938 Fluorescent eff.:135.4

Electrical parameters

V = 220.17 V I = 0.01621 A P = 3.211 W PF = 0.8993 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-SFES5M-PLS
048-E320LED-WW	048-E120LED-WW	048-ECURT2X2-WW	048-S14E27-WW
048-E320LED-CC+CON	048-E120LED--CC+CON	048-EWCURT2X2 WH-WW	048-RL-WHLED
048-RL-WWLED	048-RL-BELED	048-RL-RDLED	048-SE27GOLF-WW
048-SE27GOLF-WH	048-SE27GOLF-BE	048-SE27GOLF-GR	048-SE27GOLF-YW
048-SE27GOLF-RD	048-LED-PL-320-25.6M-24V-B		

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

Products:
LED Lighting Chain 220v, 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	SFES5M-PLS
E320LED-WW	E120LED-WW	ECURT2X2-WW	S14E27-WW
E320LED-CC+CON	E120LED--CC+CON	EWCURT2X2 WH-WW	RL-WHLED
RL-WWLED	RL-BELED	RL-RDLED	SE27GOLF-WW
SE27GOLF-WH	SE27GOLF-BE	SE27GOLF-GR	SE27GOLF-YW
SE27GOLF-RD	LED-PL-320-25.6M-24V-B		

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)

Signed: Solas Geal Distribution Limited

Date: Signed 14/09/2022

Place of Issue: Republic of Ireland