

COOLIGHT

COOLIGHT
Lighting your life
Since 2006

2021 Catalogue New ErP Products

COOLIGHT
Lighting your life
Since 2006

Shenzhen Coolight Opt-Ele Co., Ltd


Factory Address:
3-4F, Bldg.C, Chuangfu Science & Technology Park,
N Ring Rd, Bao'an, Shenzhen, Guangdong, China

Tel: +86-755-8452 8176
Fax: +86-755-8452 8173

E-mail: sales@coolightled.com
Website: www.coolightled.com

2021 Catalogue New ErP Products

Shenzhen Coolight Opt-Ele Co., Ltd
www.coolightled.com

Level B/C 

Level D 

Level E 

Level F 

Level G 

Patent LED 

COB 

COOLiGHT
Lighting your life
Since 2006

Over 15 Years of Experience for LED Light



DEAR VALUED PARTNERS:

It is with great honour that I have taken on the position of CEO at COOLIGHT. We are a dynamic team with more than 13 years' experience in the world of LED lighting.

In the past years, we have worked successfully with customers both old and new, and entered into a number of exciting strategic partnerships. We will now focus on continuing to provide outstanding services, and move on to even greater heights!

COOLIGHT is a truly customer-oriented company. All of our key decisions are taken with the customer in mind, and we will continue to strive for customer satisfaction in all aspects of our business. This is the cornerstone of our continued development and innovation.

As CEO, my main task is to maintain this positive momentum and guide COOLIGHT to even greater success. Thanks to the hard work of our employees and the firm support of our shareholders, the company has made significant progress. It is your belief and loyalty that is most important to us.

I believe you already appreciate what our company has to offer: in good times or in bad, we will always be your trusted partner, and we thank you for your continued support.

Our aim is to contribute even more to the global LED lighting industry in the future, create new solutions and continue to grow!

COOLIGHT: Creates value for customers and ensures a win-win cooperation.

COOLIGHT: Lights up the world through technology.

COOLIGHT

Lighting your life
Since 2006

Company profile

COOLIGHT, lighting your life

With over 15 years of commitment to developing and improving our range of Flexible LED strip COOLIGHT is now a leading manufacturer of high quality Flexible LED strip in China.

Our commitment to quality, service and competitive pricing ensures that our customers have 100% trust in COOLIGHT and the products we supply, the secret to our success is due to focusing on one main product to ensure that we are at the forefront of technology providing technical advice and solutions to all our customers.

We export 100% of our products to more than 40 countries and regions including **Europe, North America, Southeast Asia, Middle East and South America etc.**

We export over 12million meters of LED Strips every year into a wide range of industries and they are used in many different applications such as Hotel lighting, Shop lighting, Kitchen and Cabinet lighting, Caravans and Cruise ships.

Over the past 3 years, we have invested over 1 million USD dollars in our laboratory, testing equipment and production facility and we have implemented advanced automotive production systems to supply the highest quality LED strip products to our customers.

- 10 SMT machine.
- 4 automatic solder paste printer
- 2 heat reflow soldering machine.
- 2 line of waterproof extrusion machine
- 3 integrating sphere
- 4 automotive soldering line
- 2 automotive label line
- 1 automotive aging test line
- 2 logo print machine

COOLIGHT is the first LED Strip manufacturer to install a fully operational professional laboratory and testing facility to ensure that the LED strip products we supply are 100% reliable.

The Quality Control system we operate is to ISO9001:2015 to ensure that we conform to all the current standards.

COOLIGHT was co-founded in 2006 by Ms.Mary Long and Mr.David Zhu.

We have a strong Research and Development team under the guidance of our Mr.David Zhu, who by analysing market demand and working together with our long-term business partners ensures that we are at the forefront of design and technology ensuring that we are the first to launch new products in the industry.

Mr.David Zhu graduated from Yantai University in 2002 with a 'Master's Degree' from CUHK (The Chinese University of Hong Kong) In 2017. Mr Zhu took responsibility for ensuring that COOLIGHT is the forefront of innovation, developing new products and managing COOLIGHT's strategy for the future development of the company.

We have a strong Sales team lead by our C.E.O Ms.Mary Long who has over 15 years marketing and sales experience in the LED industry.

Ms.Long leads by example and promotes her beliefs of 'Just do it' and 'no excuses' which has resulted in a passionate sales team.

In COOLIGHT we have clear KPI's(key performance indicators) for every employee, which ensures that each member of our team has clear targets, goals and responsibilities to work towards.

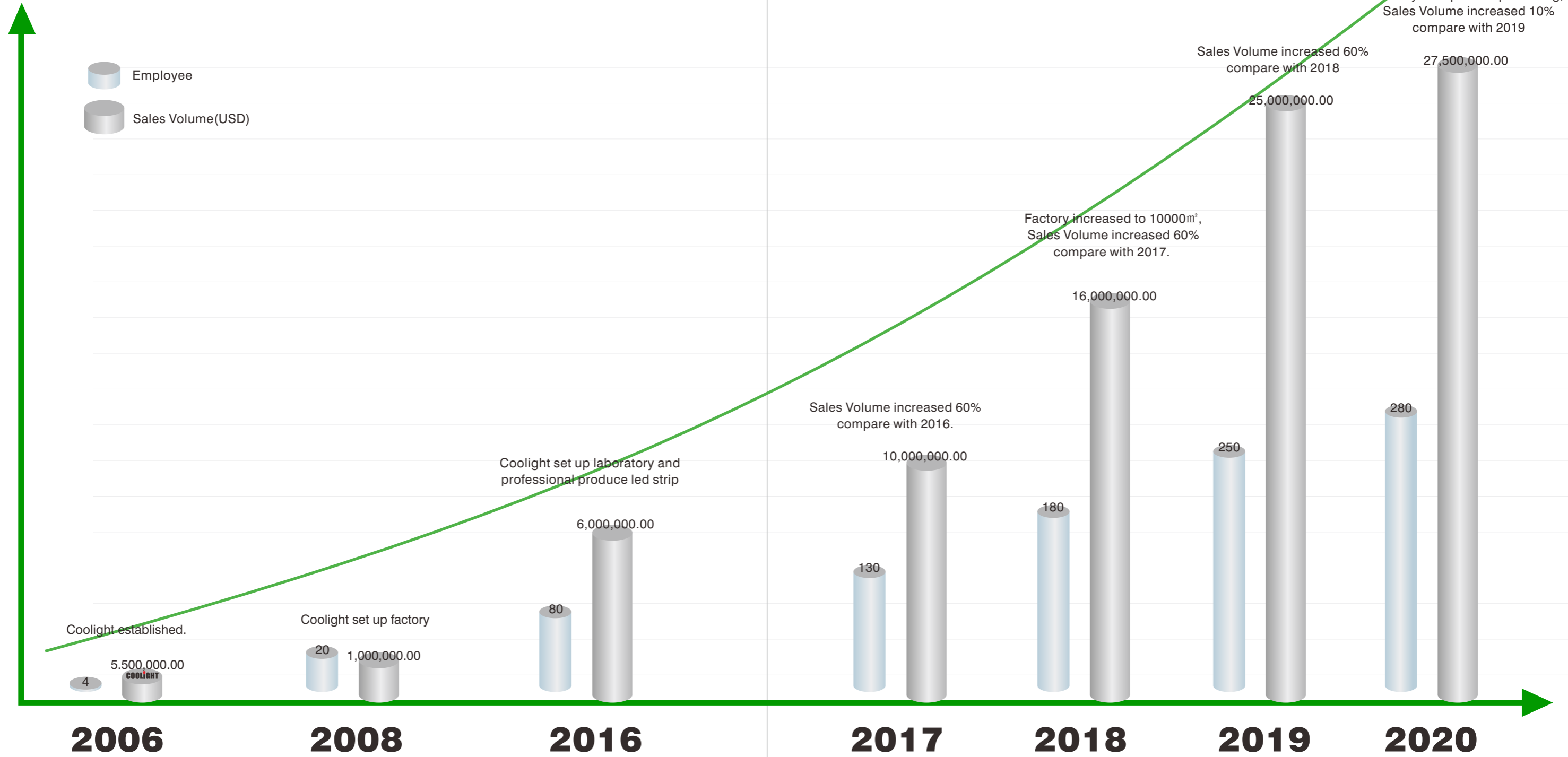
COOLIGHT offers all employees diverse training programmes, including technical training, human relations and children's education, which helps all our employees live happier lives outside their work environment.

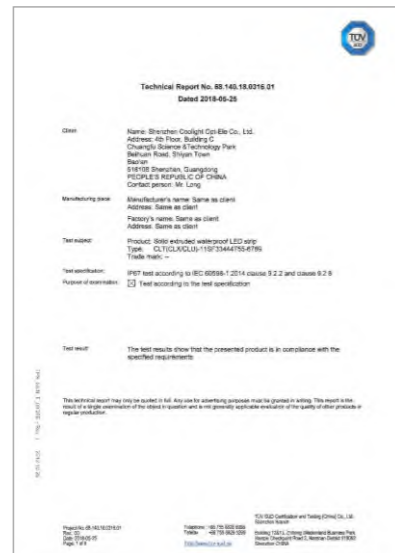
COOLIGHT is always looking to the future.
Quality and Service are the keys to ensuring a close relationship with all our customers.

COOLIGHT

Lighting your life Since 2006

History





The energy efficiency class of light sources shall be determined as set out in Table 1, on the basis of the total mains efficacy η_{TM} , which is calculated by dividing the declared useful luminous flux Φ_{use} (expressed in lm) by the declared on-mode power consumption P_{on} (expressed in W) and multiplying by the applicable factor F_{TM} of Table 2, as follows:

$$\eta_{TM} = (\Phi_{use}/P_{on}) \times F_{TM} \text{ (lm/W)}.$$

Table 1
Energy efficiency classes of light sources

Energy efficiency class	Total mains efficacy η_{TM} (lm/W)
A	$210 \leq \eta_{TM}$
B	$185 \leq \eta_{TM} < 210$
C	$160 \leq \eta_{TM} < 185$
D	$135 \leq \eta_{TM} < 160$
E	$110 \leq \eta_{TM} < 135$
F	$85 \leq \eta_{TM} < 110$
G	$\eta_{TM} < 85$

Table 2
Factors F_{TM} by light source type

Light source type	Factor F_{TM}
Non-directional (NDLS) operating on mains (MLS)	1,000
Non-directional (NDLS) not operating on mains (NMLS)	0,926
Directional (DLS) operating on mains (MLS)	1,176
Directional (DLS) not operating on mains (NMLS)	1,089

Ecodesign requirements

For the purposes of compliance and verification of compliance with the requirements of this Regulation, measurements and calculations shall be made using harmonised standards the reference numbers of which have been published for this purpose in the Official Journal of the European Union, or other reliable, accurate and reproducible methods, which take into account the generally recognised state-of-the-art.

1. Energy efficiency requirements:

(a) From 1 September 2021, the declared power consumption of a light source P_{on} shall not exceed the maximum allowed power P_{onmax} (in W), defined as a function of the declared useful luminous flux Φ_{use} (in lm) and the declared colour rendering index CRI (-) as follows:

$$P_{onmax} = C \times (L + \Phi_{use}/(F \times \eta)) \times R;$$

where:

— The values for threshold efficacy (η in lm/W) and end loss factor (L in W) are specified in Table 1, depending on the light source type. They are constants used for computations and do not reflect true parameters of light sources. The threshold efficacy is not the minimum required efficacy; the latter can be computed by dividing the useful luminous flux by the computed maximum allowed power.

— Basic values for correction factor (C) depending on light source type, and additions to C for special light source features are specified in Table 2.

— Efficacy factor (F) is:

1,00 for non-directional light sources (NDLS, using total flux)

0,85 for directional light sources (DLS, using flux in a cone)

— CRI factor R is:

0,65 for CRI \leq 25;

(CRI+80)/160 for CRI > 25, rounded to two decimals.

Table 1
Threshold efficacy (η) and end loss factor (L)

Light source description	η	L
	[lm/W]	[W]
LFL T5-HE	98,8	1,9
LFL T5-HO, $4\,000 \leq \Phi \leq 5\,000$ lm	83,0	1,9
LFL T5-HO, other lm output	79,0	1,9
FL T5 circular	79,0	1,9
FL T8 (including FL T8 U-shaped)	89,7	4,5
From 1 September 2023, for FL T8 of 2-, 4- and 5-foot	120,0	1,5
Magnetic induction light source, any length/flux	70,2	2,3
CFLni	70,2	2,3
FL T9 circular	71,5	6,2
HPS single-ended	88,0	50,0

Official Journal of the European Union

Light source description	η	L
	[lm/W]	[W]
HPS double-ended	78,0	47,7
MH \leq 405 W single-ended	84,5	7,7
MH $>$ 405 W single-ended	79,3	12,3
MH ceramic double-ended	84,5	7,7
MH quartz double-ended	79,3	12,3
Organic light-emitting diode (OLED)	65,0	1,5
Until 1 September 2023: HL G9, G4 and GY6.35	19,5	7,7
HL R7s \leq 2 700 lm	26,0	13,0
Other light sources in scope not mentioned above	120,0	1,5 (*)

(*) For connected light sources (CLS) a factor L = 2,0 shall be applied.

Table 2
Correction factor C depending on light source characteristics

Light source type	BasicC value
Non-directional (NDLS) not operating on mains (NMLS)	1,00
Non-directional (NDLS) operating on mains (MLS)	1,08
Directional (DLS) not operating on mains (NMLS)	1,15
Directional (DLS) operating on mains (MLS)	1,23
Special light source feature	Bonus on C
FL or HID with CCT $>$ 5 000 K	+0,10
FL with CRI $>$ 90	0,10
HID with second envelope	+0,10
MH NDLS $>$ 405 W with non-clear envelope	+0,10
DLS with anti-glare shield	+0,20
Colour-tuneable light source (CTLS)	+0,10
High luminance light sources (HLLS)	+0,0058 • Luminance-HLLS - 0,0167

Functional requirements

From 1 September 2021, the functional requirements specified in Table 4 shall apply for light sources:

Table 4
Functional requirements for light sources

Colour rendering	CRI \geq 80 (except for HID with $\Phi_{use} >$ 4 klm and for light sources intended for use in out door applications, industrial applications or other applications where lighting standards allow a CRI $<$ 80, when a clear indication to this effect is shown on the light source packaging and in all relevant printed and electronic documentation)
Lumen maintenance factor (for LED and OLED)	The lumen maintenance factor XLMF% after endurance testing according to Annex V shall be at least XLMF,MIN % calculated as follows: $X_{LMF,MIN} \% = 100 \times e^{-\frac{(3000 \times \ln(0.7))}{L_{70}}}$ where L70 is the declared L70B50 lifetime (in hours) If the calculated value for XLMF,MIN exceeds 96,0 %, an XLMF,MIN value of 96,0 % shall be used
Survival factor (for LED and OLED)	At least 9 light sources of the test sample must be operational after completing the test in Annex V of this Regulation.
Colour consistency for LED and OLED light sources	Variation of chromaticity coordinates within a six-step MacAdam ellipse or less.

Functionality after endurance testing

Models of LED- and OLED- light sources shall undergo endurance testing to verify their lumen maintenance and survival factor. This endurance testing consists of the test method outlined below. The authorities of a Member State shall test 10 units of the model for this test.

The endurance test for LED and OLED light sources shall be conducted as follows:

(a) Ambient conditions and test setup:

- (i) The switching cycles are to be conducted in a room with an ambient temperature of 25 ± 10 °C and an average air velocity of less than 0,2 m/s.
- (ii) The switching cycles on the sample shall be conducted in free air in a vertical base-up position. However, if a manufacturer or importer has declared the light source suitable for use in a specific orientation only, then the sample shall be mounted in that orientation.
- (iii) The applied voltage during the switching cycles shall have a tolerance within 2 %. The total harmonic content of the supply voltage shall not exceed 3 %. Standards provide guidance on the supply voltage source. Light sources designed to be operated on mains voltage shall be tested at 230 V, 50 Hz supply, even if the products are able to be operated on variable supply conditions.

(b) Endurance test method:

- (i) Initial flux measurement: measure the luminous flux of the light source prior to starting the endurance test switching cycle.
- (ii) Switching cycles: operate the light source for 1 200 cycles of repeated, continuous switching cycles without interruption. One complete switching cycle consists of 150 minutes of the light source switched ON at full power followed by 30 minutes of the light source switched OFF. The hours of operation recorded (i.e. 3 000 hours) include only the periods of the switching cycle when the light source was switched ON, i.e. the total test time is 3 600 hours.
- (iii) Final flux measurement: at the end of the 1 200 switching cycles, note if any light sources have failed (see 'Survival factor' in Annex IV, Table 6 of this Regulation) and measure the luminous flux of the light sources that have not failed.

(iv) For each of the units in the sample which have not failed, divide the measured final flux by the measured initial flux. Average the resulting values over all the units that did not fail to compute the determined value for the lumen maintenance factor XLMF %.

4.5W/4.8W CRI 80 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
4.8						A	N/A	
4.5	2835	80	90	100	20/66	B C	✓	P15-16
4.8	2835	80	80	100	20/66	D	✓	P17-18
4.8	2835	80	80	100	20/66	E	✓	P19-20
4.8	2835	80	70	100	20/66	F	✓	P21-22

4.5W/4.8W CRI 90 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
4.8						A	N/A	
4.8						B	N/A	
4.5	2835	90	90	100	20/66	C	✓	P23-24
4.8	2835	90	80	100	20/66	D	✓	P25-26
4.8	2835	90	80	100	20/66	E	✓	P27-28
4.8	2835	90	80	100	20/66	E F	✓	P29-30
4.8	2216	90	70	100	20/66	F	✓	P31-32
4.8	2835	90	70	100	20/66	F G	✓	P33-34

9W/9.6W CRI 80 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
9.6						A	N/A	
9	2835	80	180	50	20/66	B C	✓	P35-36
9.6	2835	80	160	50	20/66	D	✓	P37-38
9.6	2835	80	160	50	20/66	E	✓	P39-40
9.6	2835	80	140	50	20/66	F	✓	P41-42
9.6	2835	80	70	100	20/66	F	✓	P43-44

9W/9.6W CRI 90 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
9.6						A	N/A	
9.6						B	N/A	
9	2835	90	180	50	20/66	C	✓	P45-46
9.6	2835	90	160	50	20/66	D	✓	P47-48
9.6	2835	90	160	50	20/66	E	✓	P49-50
9.6	2835	90	160	50	20/66	F	✓	P51-52
9.6	2835	90	140	50	20/66	F	✓	P53-54
9.6	2216	90	140	50	20/66	F	✓	P55-56
9.6	2216	90	280	25	20/66	F G	✓	P57-58
9.6	2835	90	70	100	20/66	G	✓	P59-60

14.4W CRI 80 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
14.4						A	N/A	
14.4						B	N/A	
14.4						C	N/A	
14.4	2835	80	160	50	20/66	D	✓	P61-62
14.4	2835	80	160	50	20/66	E	✓	P63-64
14.4	2835	80	140	50	20/66	F	✓	P65-66

14.4W CRI 90 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
14.4						A	N/A	
14.4						B	N/A	
14.4						C	N/A	
14.4	2835	90	192	41.67	20/66	D	✓	P67-68
14.4	2835	90	160	50	20/66	E	✓	P69-70
14.4	2835	90	160	50	20/66	F	✓	P71-72
14.4	2835	90	140	50	20/66	F G	✓	P73-74
14.4	2216	90	140	50	20/66	F G	✓	P75-76
14.4	2216	90	280	25	20/66	F G	✓	P77-78

19.2W CRI 80 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
19.2						A	N/A	
19.2						B	N/A	
19.2						C	N/A	
19.2	2835	80	192	41.67	20/66	D	✓	P79-80
19.2	2835	80	192	41.67	20/66	E	✓	P81-82
19.2	2835	80	140	50	20/66	F	✓	P83-84

19.2W CRI 90 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
19.2						A	N/A	
19.2						B	N/A	
19.2						C	N/A	
19.2						D	N/A	
19.2	2835	90	192	41.67	20/66	E	✓	P85-86
19.2	2835	90	192	41.67	20/66	F	✓	P87-88
19.2	2216	90	280	25	20/66	F	✓	P89-90

4.8W CRI 80 IP54/IP67 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
4.8						A	N/A	
4.8						B	N/A	
4.8						C	N/A	
4.8						D	N/A	
4.8	2835	80	80	100	54/67	E	✓	P91-92
4.8	2835	80	70	100	54/67	F	✓	P93-94

4.8W CRI 90 IP54/IP67 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
4.8						A	N/A	
4.8						B	N/A	
4.8						C	✓	
4.8						D	✓	
4.8						E	✓	
4.8	2835	90	80	100	54/67	F	✓	P95-96
4.8	2835	90	70	100	54/67	F G	✓	P97-98
4.8	2216	90	70	100	54/67	F G	✓	P99-100

9.6W CRI 80 IP54/IP67 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
9.6						A	N/A	
9.6						B	N/A	
9.6						C	N/A	
9.6						D	N/A	
9.6	2835	80	160	50	54/67	E	✓	P101-102
9.6	2835	80	140	50	54/67	F	✓	P103-104
9.6	2835	80	70	100	54/67	F	✓	P105-106

9.6W CRI 90 IP54/IP67 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
9.6						A	N/A	
9.6						B	N/A	
9.6						C	N/A	
9.6						D	N/A	
9.6						E	✓	
9.6	2835	90	160	50	54/67	F	✓	P107-108
9.6	2835	90	140	50	54/67	F G	✓	P109-110
9.6	2216	90	140	50	54/67	F G	✓	P111-112
9.6	2835	90	70	100	54/67	G	✓	P113-114
9.6	2216	90	70	100	54/67	G	✓	P115-116

14.4W CRI 80 IP54/IP67 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
14.4						A	N/A	
14.4						B	N/A	
14.4						C	N/A	
14.4						D	N/A	
14.4	2835	80	160	50	54/67	E	✓	P117-118
14.4	2835	80	140	50	54/67	F	✓	P119-120

14.4W CRI 90 IP54/IP67 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
14.4						A	N/A	
14.4						B	N/A	
14.4						C	N/A	
14.4						D	N/A	
14.4						E	✓	
14.4	2835	90	160	50	54/67	F	✓	P121-122

Patent LED CRI 90 IP20/IP66 Series



Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
4.8/9.6/14.4						A	N/A	
4.8/9.6/14.4						B	N/A	
4.8/9.6/14.4						C	N/A	
4.8/9.6/14.4						D	N/A	
4.8		90	160	50	20/66	E	✓	P123-124
4.8		90	140	50	20/66	F	✓	P125-126
9.6		90	160	50	20/66	E	✓	P127-128
9.6		90	140	50	20/66	F	✓	P129-130
14.4		90	160	50	20/66	E	✓	P131-132
14.4		90	140	50	20/66	F	✓	P133-134

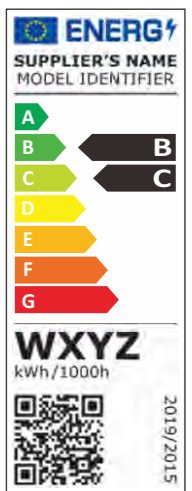
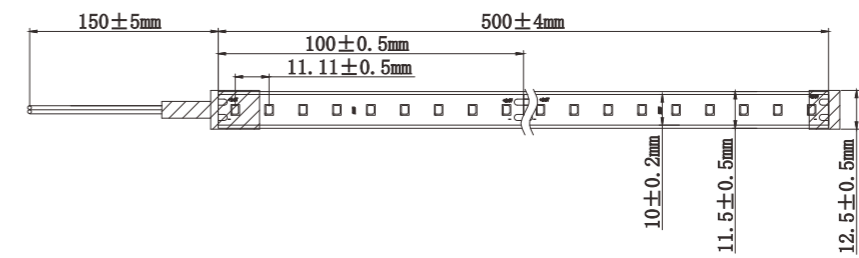
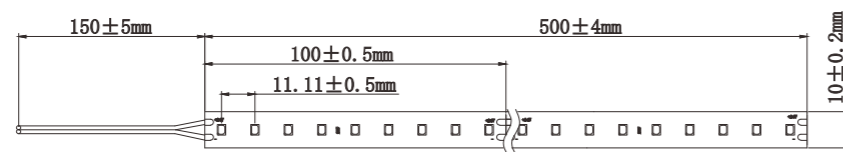
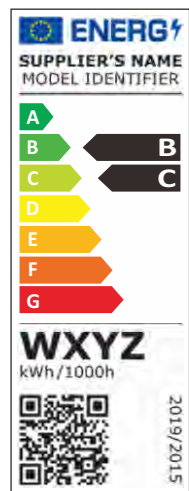
COB CRI 90 IP20/IP66 Series

Power(W/M)	LED Type	CRI	LED/M	Cutting size(mm)	IP	Level	Avialable	Page
6/8/10	COB					A	N/A	
6/8/10						B	N/A	
6/8/10						C	N/A	
6/8/10						D	N/A	
6/8/10						E	N/A	
6/8/10						F	N/A	
6		90	360	25	20/66	G	✓	P135-136
8		90	280	100	20/66	G	✓	P137-138
10		90	480	50	20/66	G	✓	P139-140

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



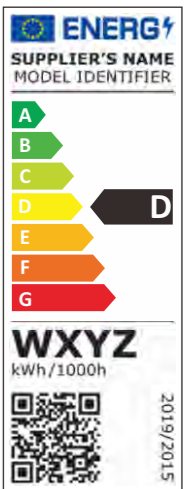
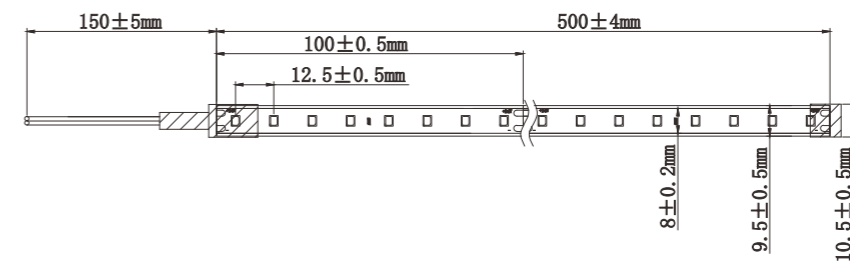
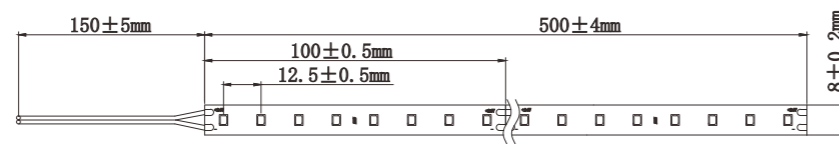
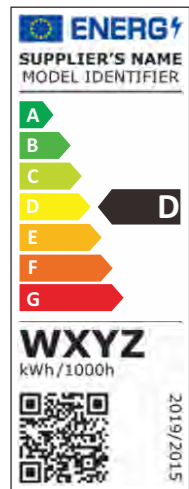
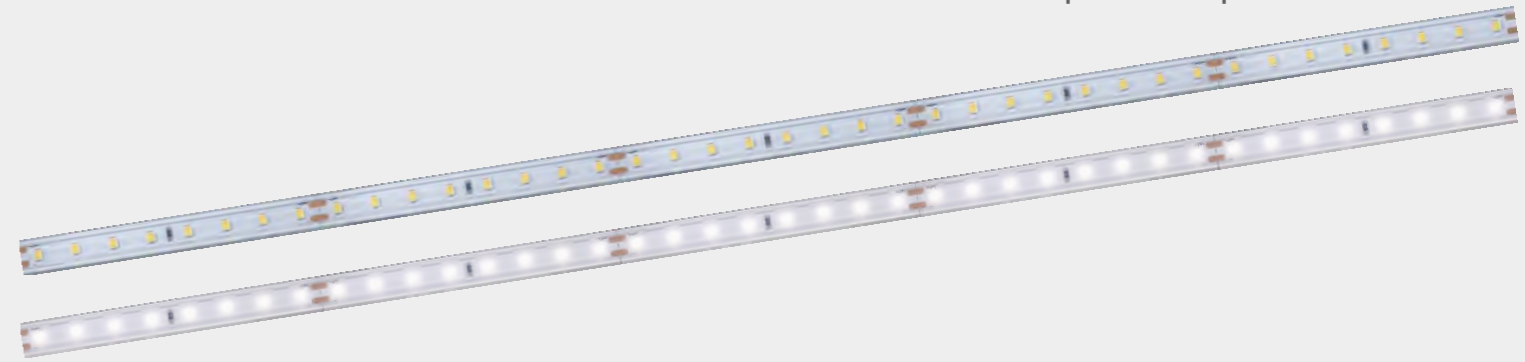
Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24090T09-0A28	4.5	2.25	2835	90	100	C	187	420	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24090T09-0A28	4.5	2.25	2835	90	100	C	187	420	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24090T09-0A28	4.5	2.25	2835	90	100	B	204	460	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24090T09-0A28	4.5	2.25	2835	90	100	B	204	460	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



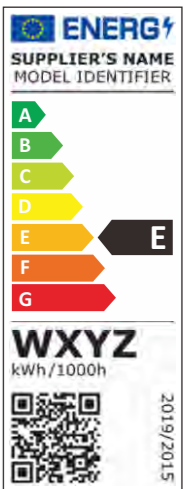
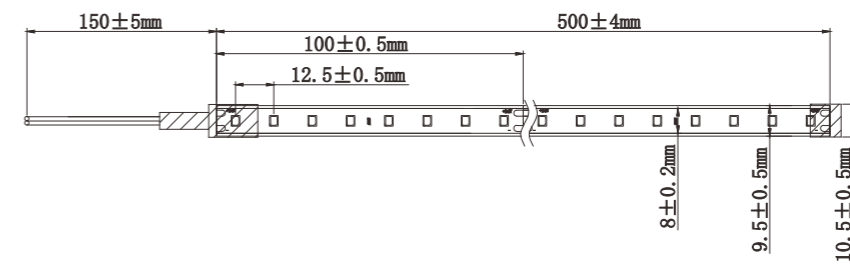
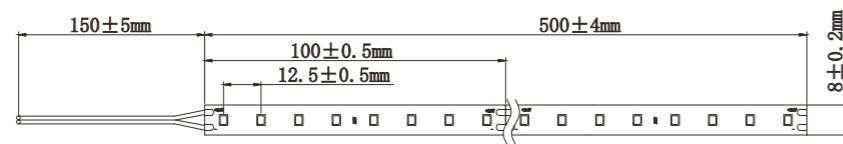
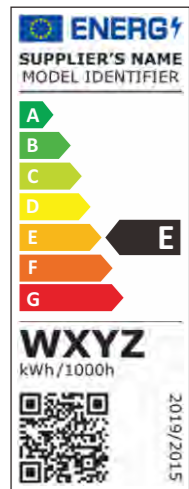
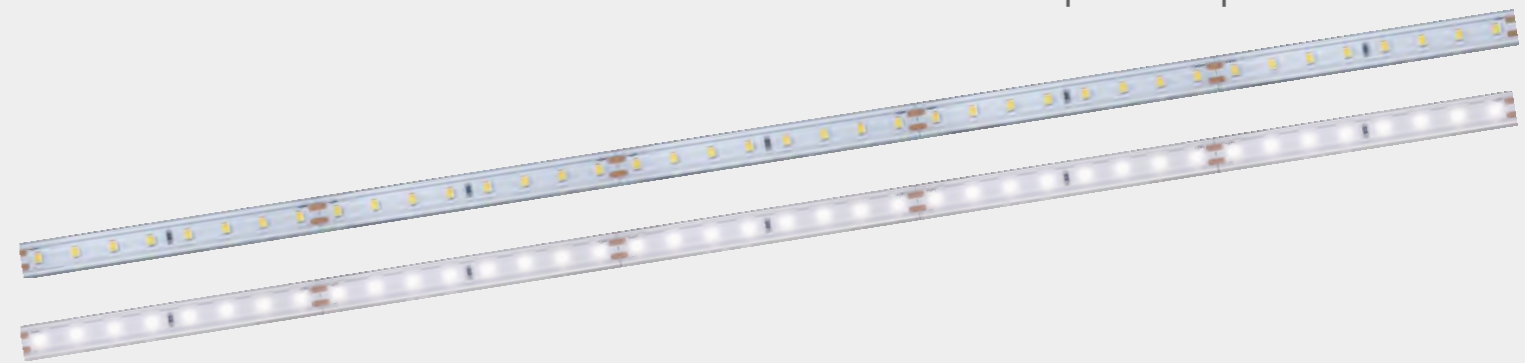
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24080T09-8A28	4.8	2.4	2835	80	100	D	158	380	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24080T09-8A28	4.8	2.4	2835	80	100	D	160	385	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24080T09-8A28	4.8	2.4	2835	80	100	D	167	400	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24080T09-8A28	4.8	2.4	2835	80	100	D	167	400	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



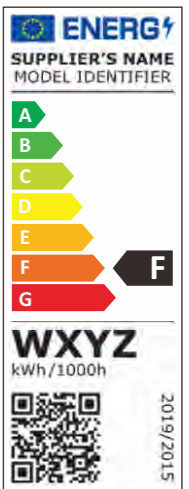
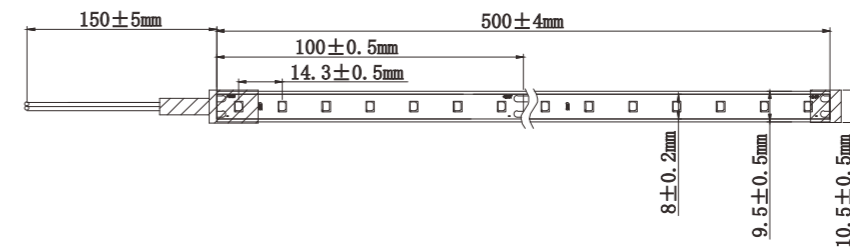
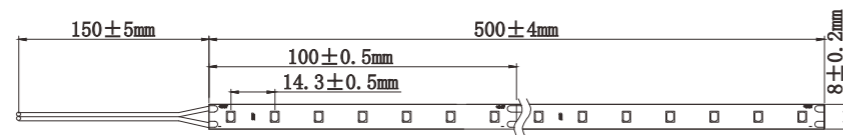
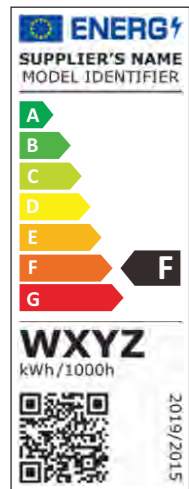
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24080T09-8A28	4.8	2.4	2835	80	100	E	133	320	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24080T09-8A28	4.8	2.4	2835	80	100	E	135	325	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24080T09-8A28	4.8	2.4	2835	80	100	E	142	340	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24080T09-8A28	4.8	2.4	2835	80	100	E	142	340	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



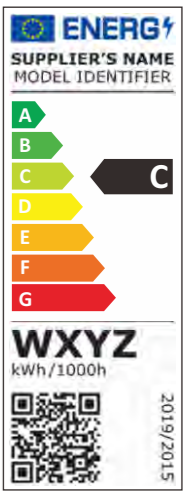
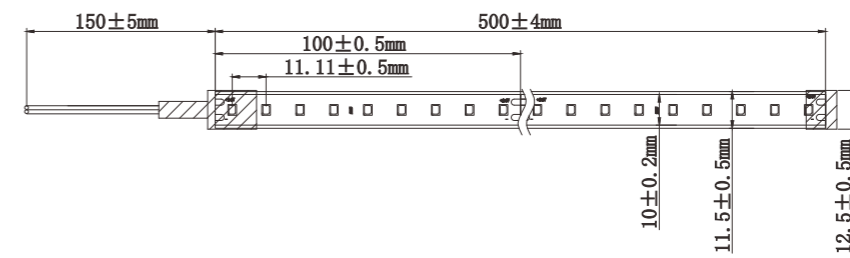
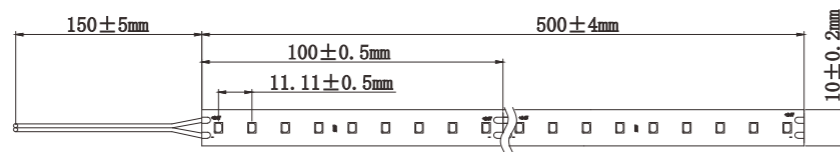
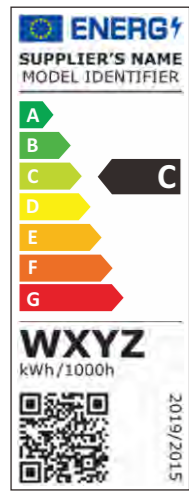
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24070T09-8A28	4.8	2.4	2835	70	100	F	108	260	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24070T09-8A28	4.8	2.4	2835	70	100	F	110	265	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24070T09-8A28	4.8	2.4	2835	70	100	F	113	270	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24070T09-8A28	4.8	2.4	2835	70	100	F	113	270	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



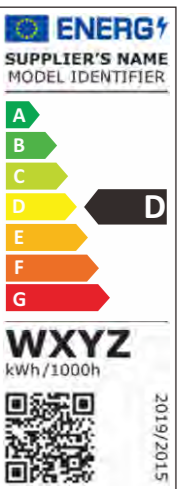
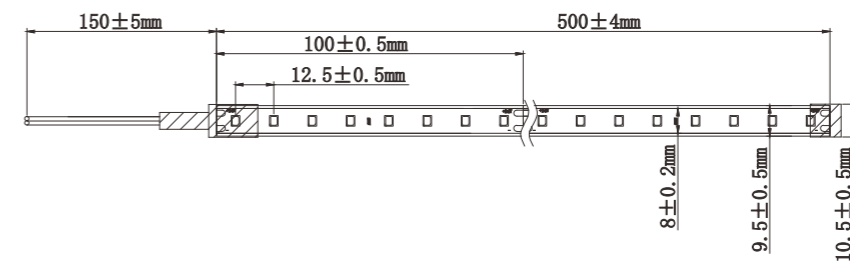
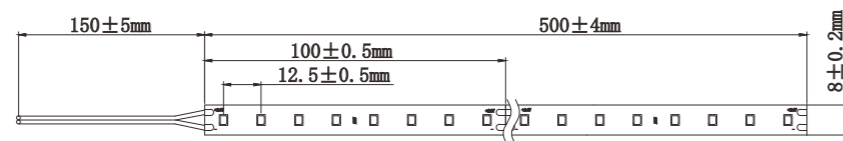
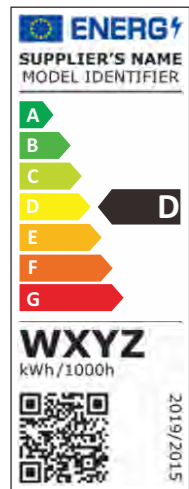
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24090T09-0A29	4.5	2.25	2835	90	100	C	178	400	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24090T09-0A29	4.5	2.25	2835	90	100	C	178	400	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24090T09-0A29	4.5	2.25	2835	90	100	C	187	420	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24090T09-0A29	4.5	2.25	2835	90	100	C	187	420	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	2.25	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



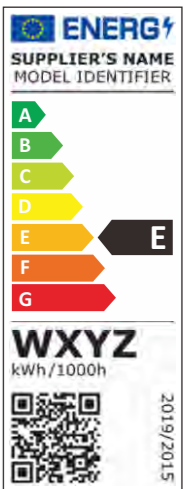
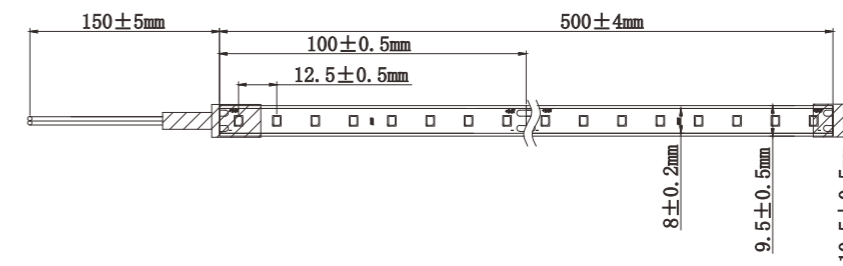
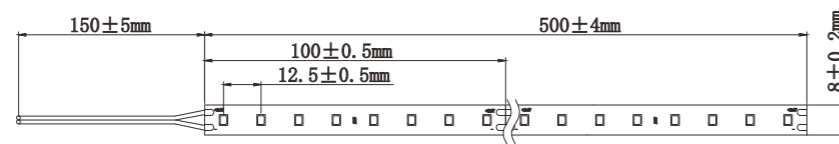
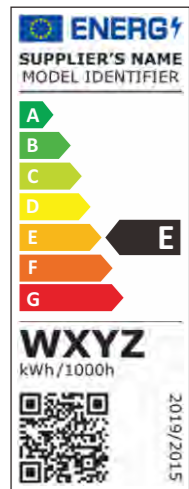
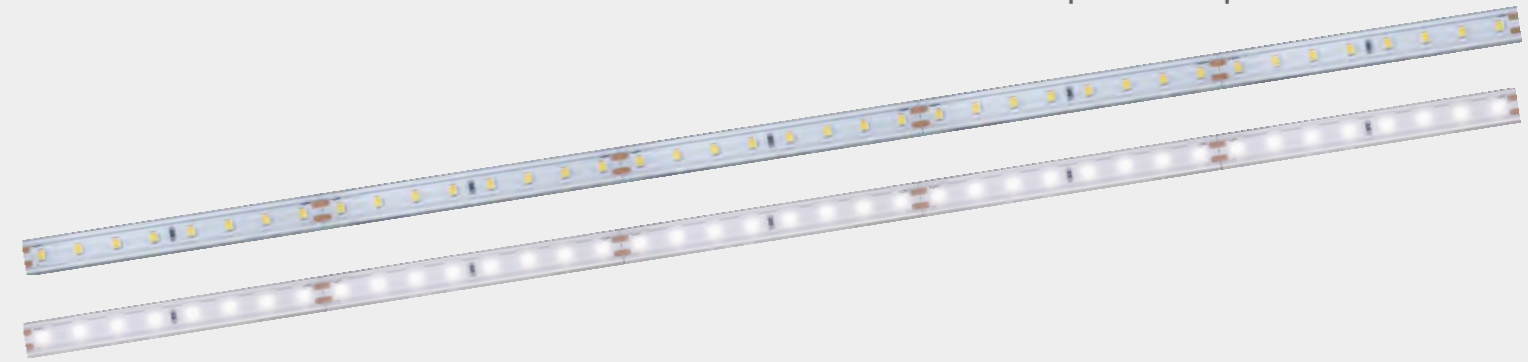
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24080T09-8A29	4.8	2.4	2835	80	100	D	150	360	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24080T09-8A29	4.8	2.4	2835	80	100	D	152	365	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24080T09-8A29	4.8	2.4	2835	80	100	D	154	370	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24080T09-8A29	4.8	2.4	2835	80	100	D	154	370	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



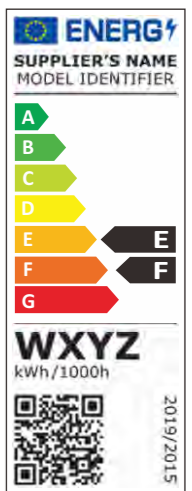
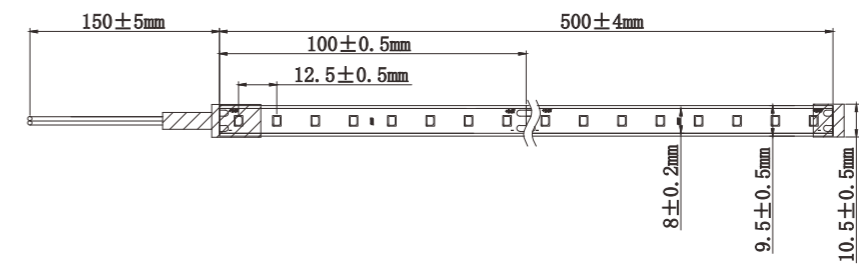
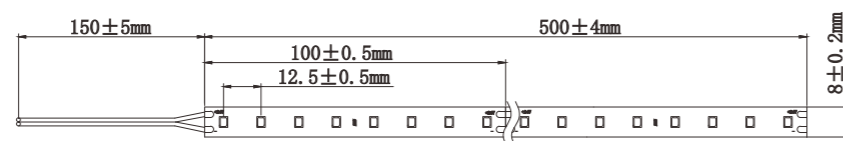
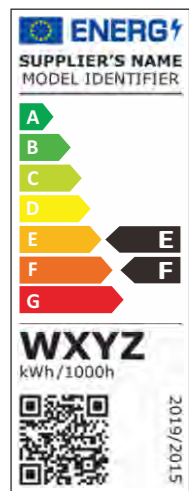
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24080T09-8A29	4.8	2.4	2835	80	100	E	125	300	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24080T09-8A29	4.8	2.4	2835	80	100	E	127	305	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24080T09-8A29	4.8	2.4	2835	80	100	E	133	320	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24080T09-8A29	4.8	2.4	2835	80	100	E	133	320	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



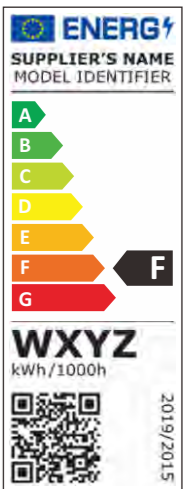
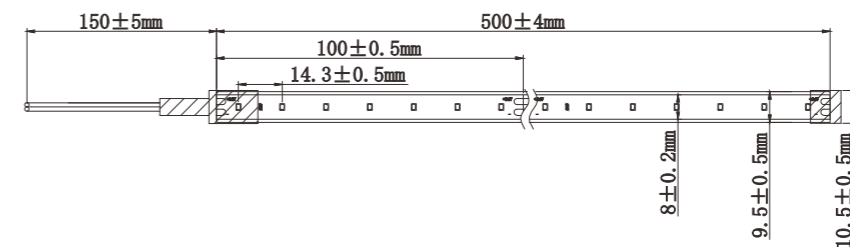
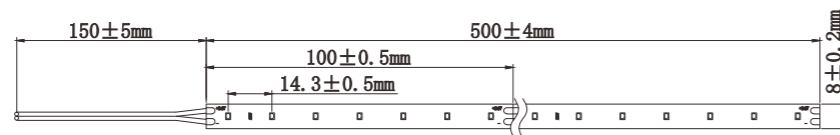
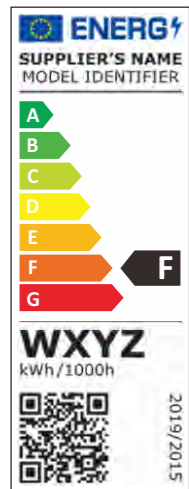
Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24080T09-8A29	4.8	2.4	2835	80	100	F	113	270	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24080T09-8A29	4.8	2.4	2835	80	100	F	115	275	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24080T09-8A29	4.8	2.4	2835	80	100	E	125	300	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24080T09-8A29	4.8	2.4	2835	80	100	E	125	300	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



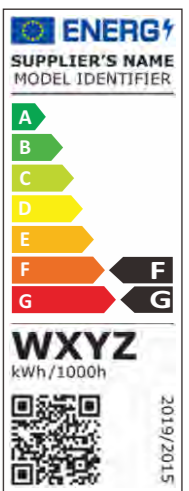
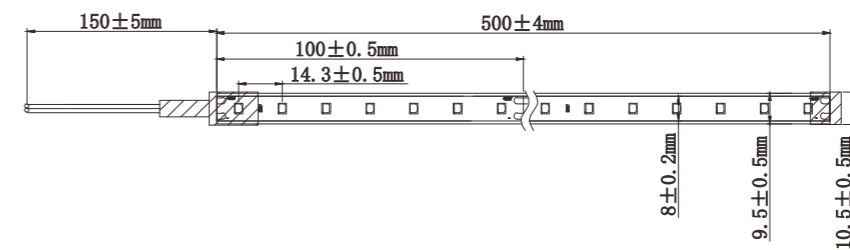
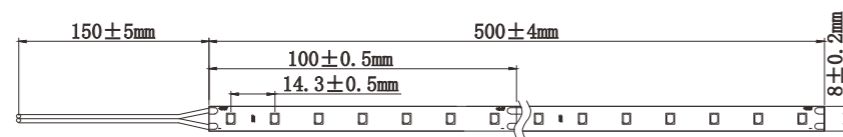
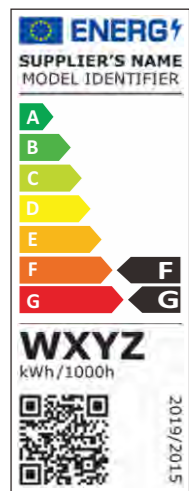
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24070T16-8A29	4.8	2.4	2216	70	100	F	96	230	2700K	>90/>40	<5	x=0.4536 y=0.4072	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24070T16-8A29	4.8	2.4	2216	70	100	F	98	235	3000K	>90/>40	<5	x=0.4395 y=0.4025	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24070T16-8A29	4.8	2.4	2216	70	100	F	104	250	4000K	>90/>40	<5	x=0.3768 y=0.3732	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24070T16-8A29	4.8	2.4	2216	70	100	F	104	250	6500K	>90/>40	<5	x=0.3195 y=0.3338	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



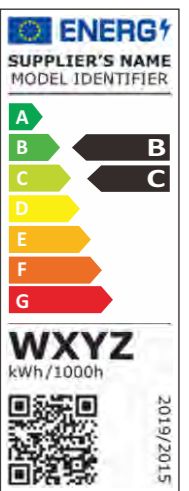
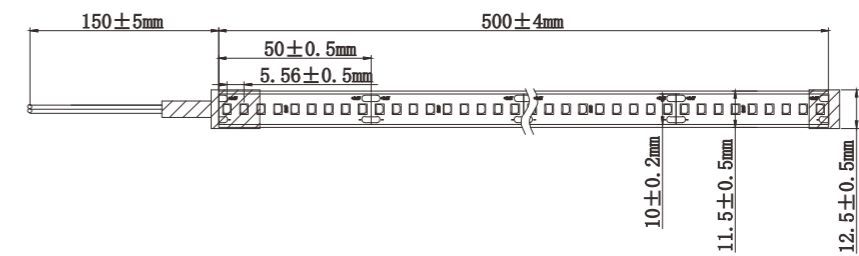
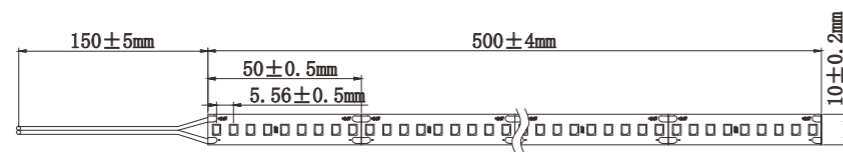
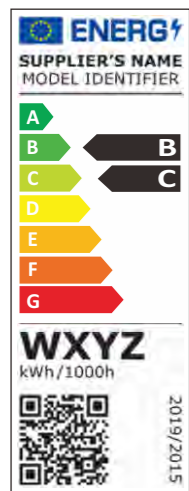
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24070T09-8A29	4.8	2.4	2835	70	100		92	220	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24070T09-8A29	4.8	2.4	2835	70	100		94	225	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24070T09-8A29	4.8	2.4	2835	70	100		100	240	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24070T09-8A29	4.8	2.4	2835	70	100		100	240	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



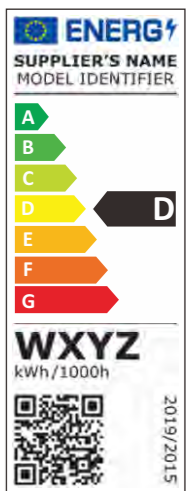
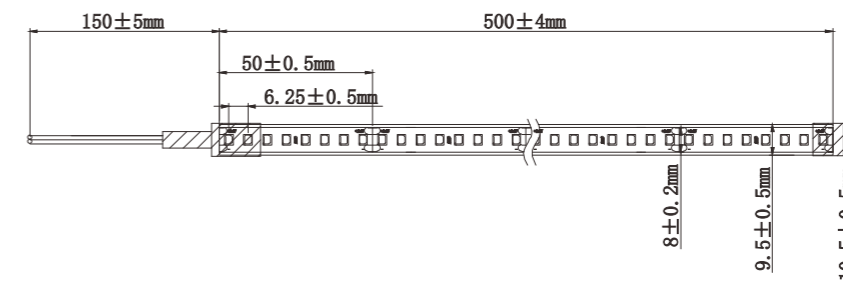
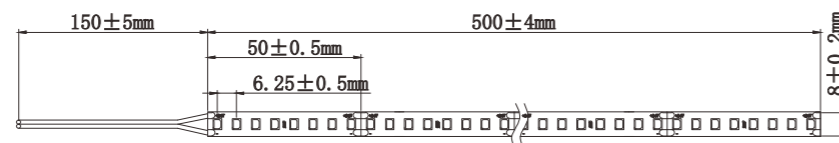
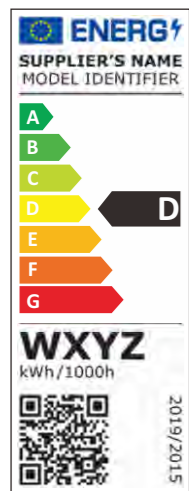
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24180T09-0A28	9	4.5	2835	180	50	C	184	830	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	4.5	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24180T09-0A28	9	4.5	2835	180	50	C	184	830	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	4.5	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24180T09-0A28	9	4.5	2835	180	50	B	202	910	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	4.5	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24180T09-0A28	9	4.5	2835	180	50	B	202	910	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	4.5	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



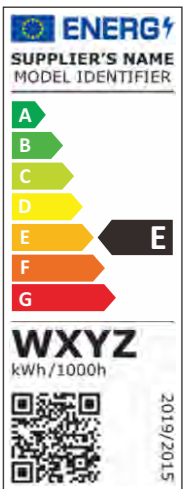
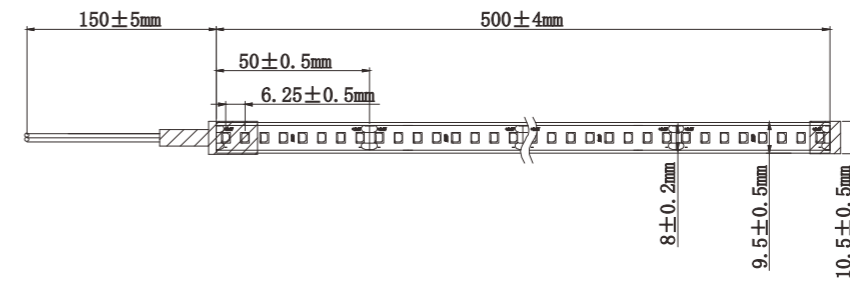
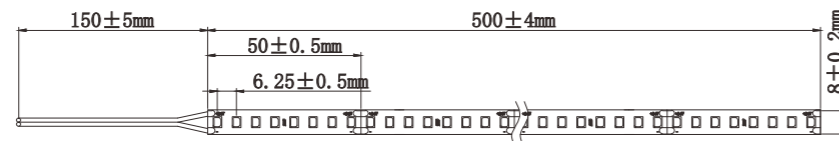
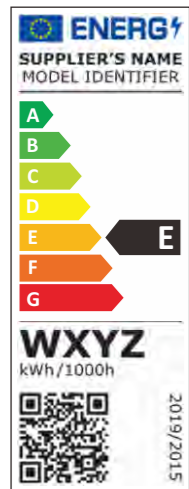
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-8A28	9.6	4.8	2835	160	50	D	152	730	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24160T09-8A28	9.6	4.8	2835	160	50	D	153	735	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24160T09-8A28	9.6	4.8	2835	160	50	D	163	780	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24160T09-8A28	9.6	4.8	2835	160	50	D	163	780	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



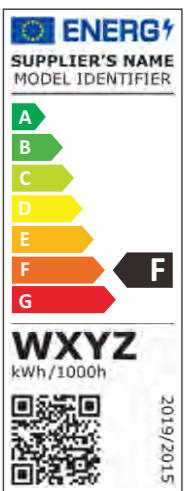
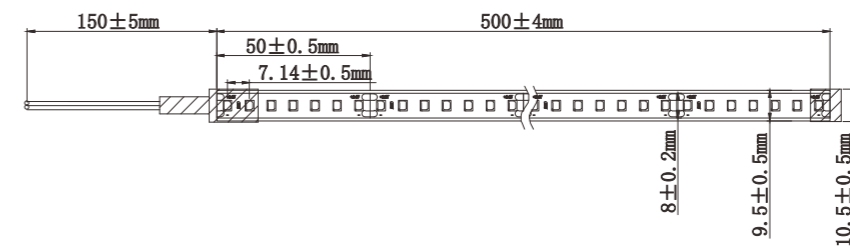
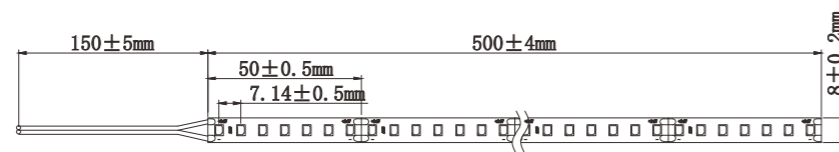
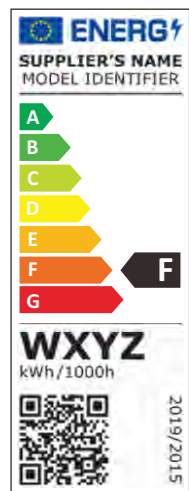
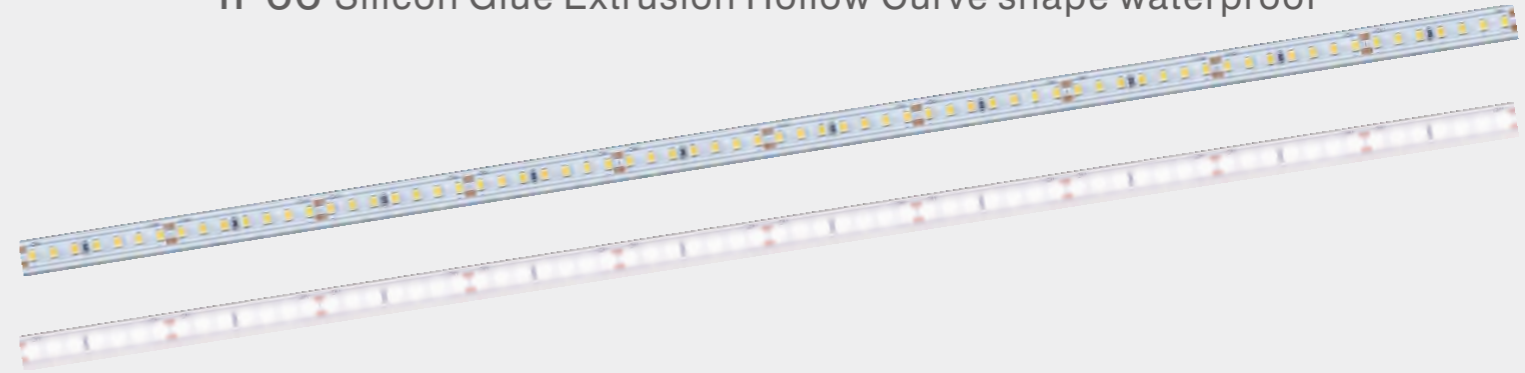
Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-8A28	9.6	4.8	2835	160	50	E	135	650	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24160T09-8A28	9.6	4.8	2835	160	50	E	136	655	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24160T09-8A28	9.6	4.8	2835	160	50	E	142	680	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24160T09-8A28	9.6	4.8	2835	160	50	E	142	680	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



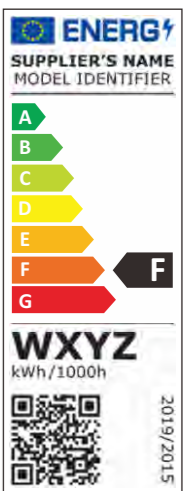
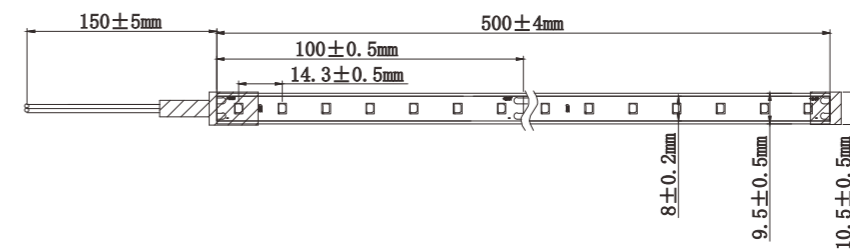
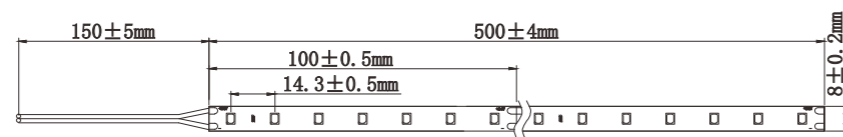
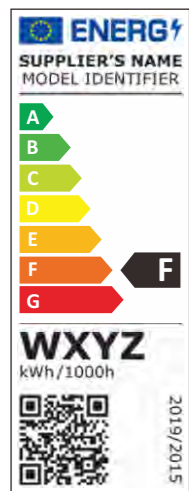
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-8A28	9.6	4.8	2835	140	50	F	108	520	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24140T09-8A28	9.6	4.8	2835	140	50	F	109	525	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24140T09-8A28	9.6	4.8	2835	140	50	F	115	550	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24140T09-8A28	9.6	4.8	2835	140	50	F	115	550	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



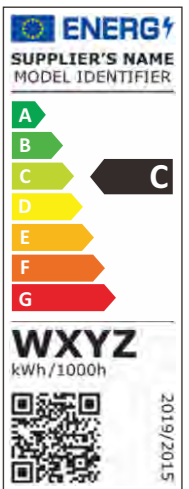
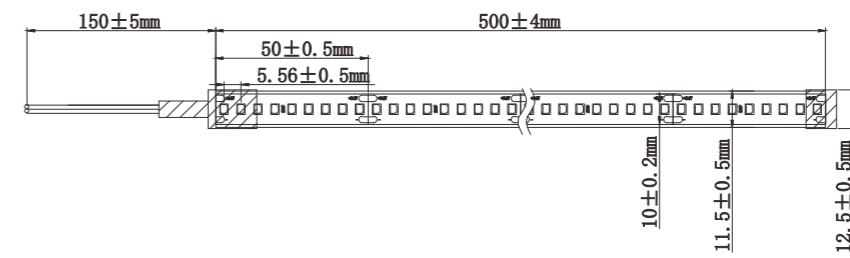
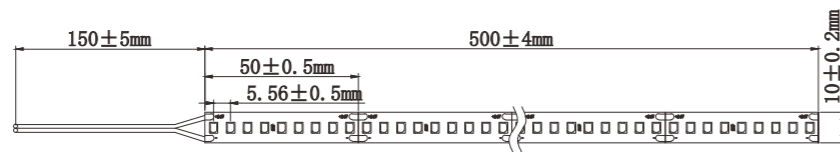
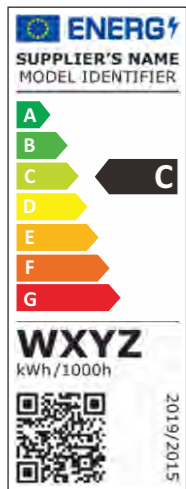
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24070T09-8A48	9.6	4.8	2835	70	100	F	100	480	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24070T09-8A48	9.6	4.8	2835	70	100	F	101	485	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24070T09-8A48	9.6	4.8	2835	70	100	F	108	520	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24070T09-8A48	9.6	4.8	2835	70	100	F	108	520	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



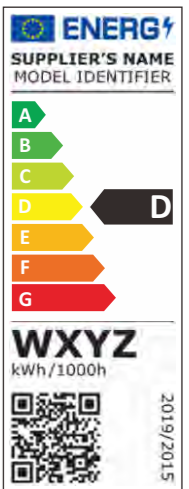
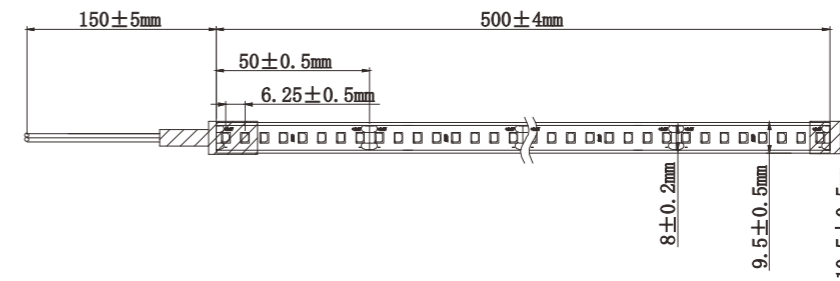
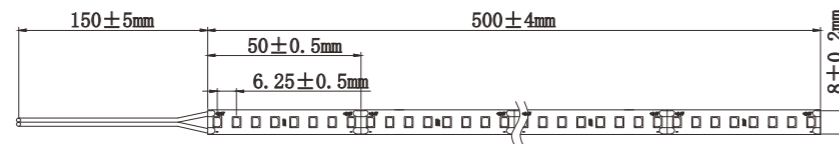
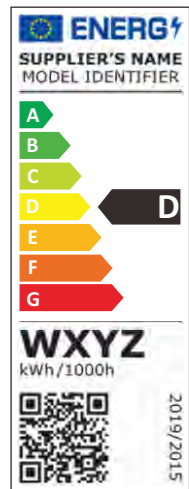
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24180T09-0A29	9	4.5	2835	180	50	C	178	800	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24180T09-0A29	9	4.5	2835	180	50	C	178	800	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24180T09-0A29	9	4.5	2835	180	50	C	182	820	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24180T09-0A29	9	4.5	2835	180	50	C	182	820	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



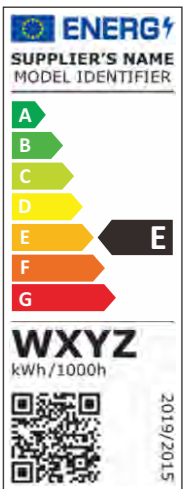
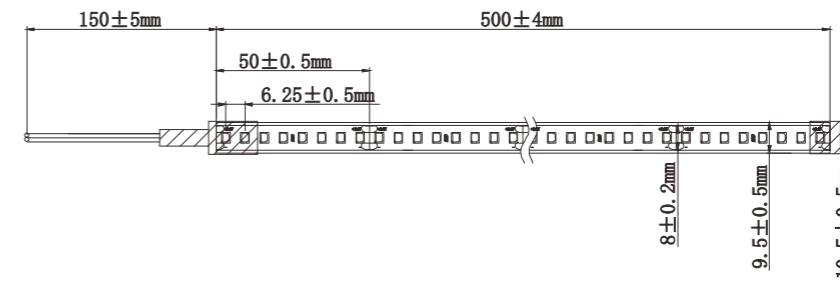
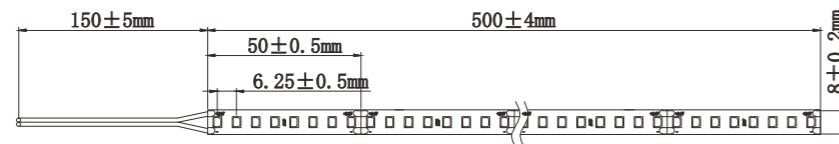
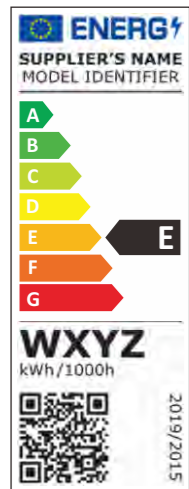
Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-8A29	9.6	4.8	2835	160	50	D	147	705	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24160T09-8A29	9.6	4.8	2835	160	50	D	148	710	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24160T09-8A29	9.6	4.8	2835	160	50	D	150	720	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24160T09-8A29	9.6	4.8	2835	160	50	D	150	720	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



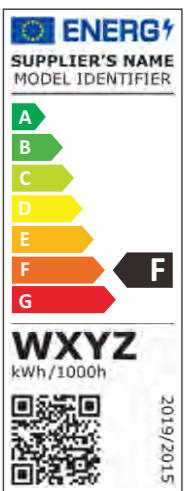
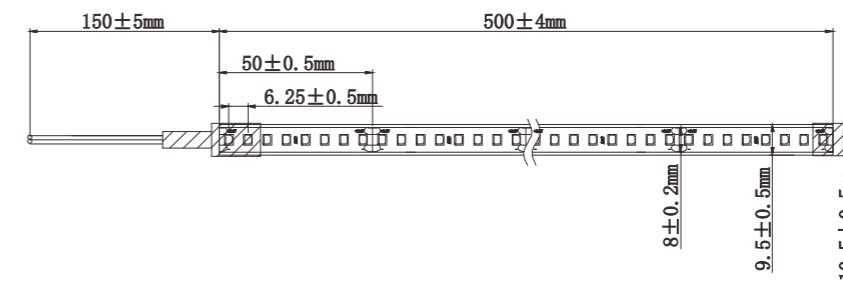
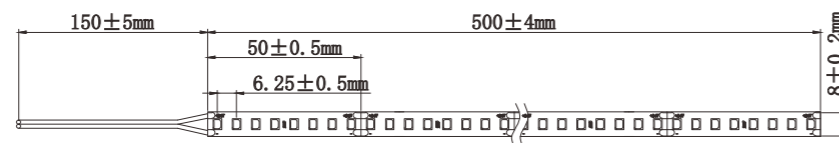
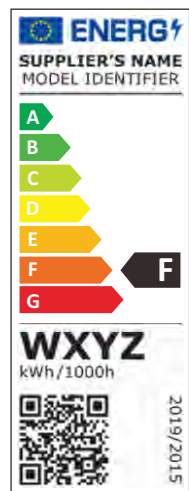
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-8A29	9.6	4.8	2835	160	50	E	135	650	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24160T09-8A29	9.6	4.8	2835	160	50	E	136	655	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24160T09-8A29	9.6	4.8	2835	160	50	E	144	690	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24160T09-8A29	9.6	4.8	2835	160	50	E	144	690	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



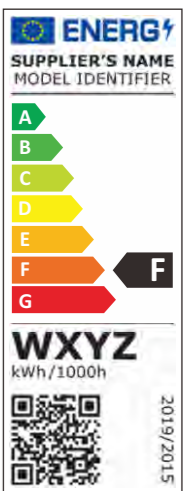
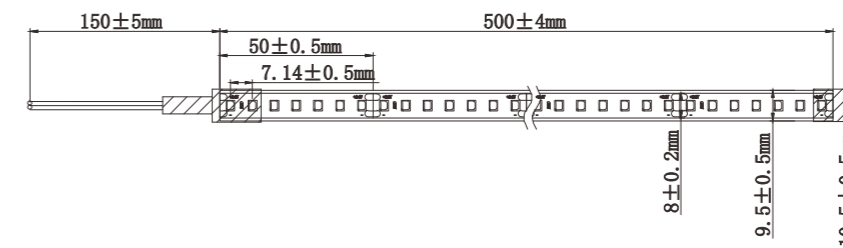
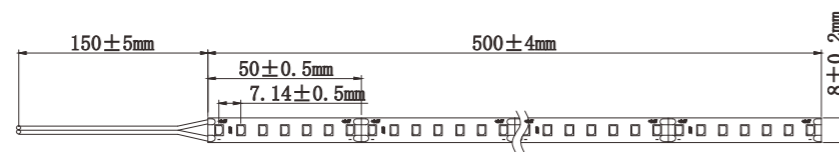
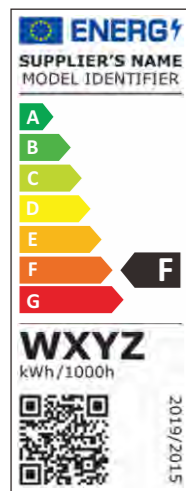
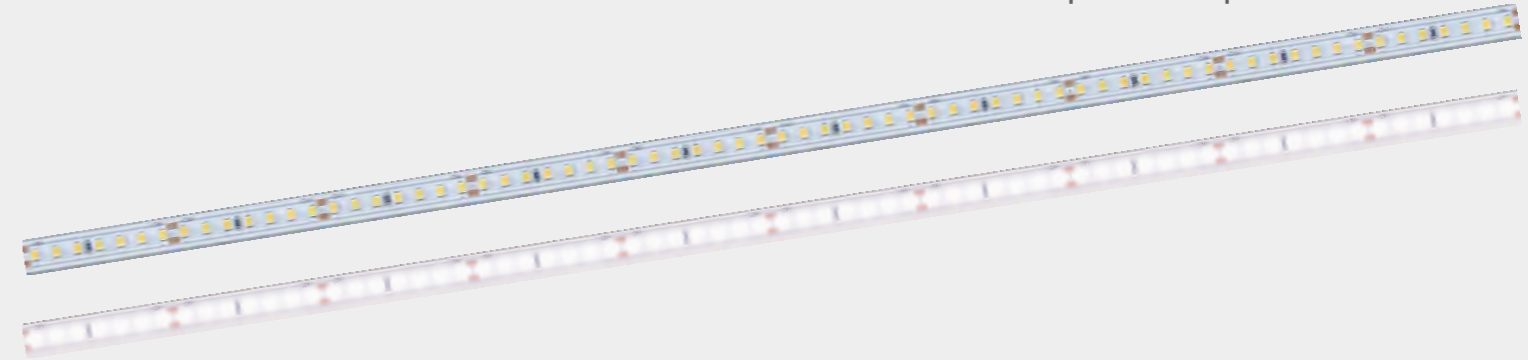
Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-8A29	9.6	4.8	2835	160	50	F	110	530	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24160T09-8A29	9.6	4.8	2835	160	50	F	111	535	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24160T09-8A29	9.6	4.8	2835	160	50	F	115	550	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24160T09-8A29	9.6	4.8	2835	160	50	F	115	550	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



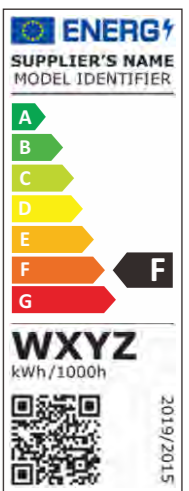
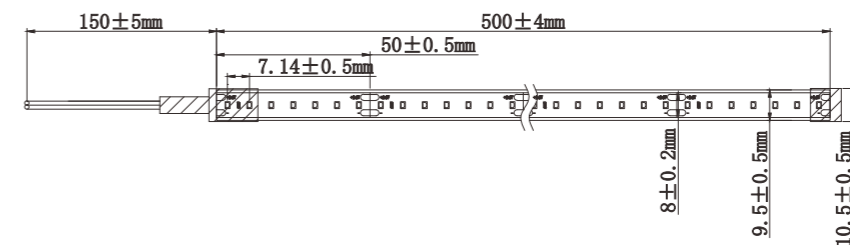
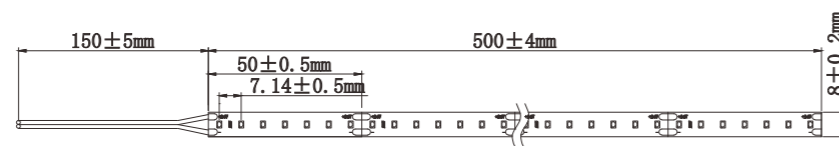
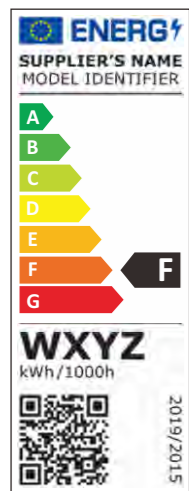
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-8A29	9.6	4.8	2835	140	50	F	94	450	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24140T09-8A29	9.6	4.8	2835	140	50	F	95	455	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24140T09-8A29	9.6	4.8	2835	140	50	F	98	470	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24140T09-8A29	9.6	4.8	2835	140	50	F	98	470	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



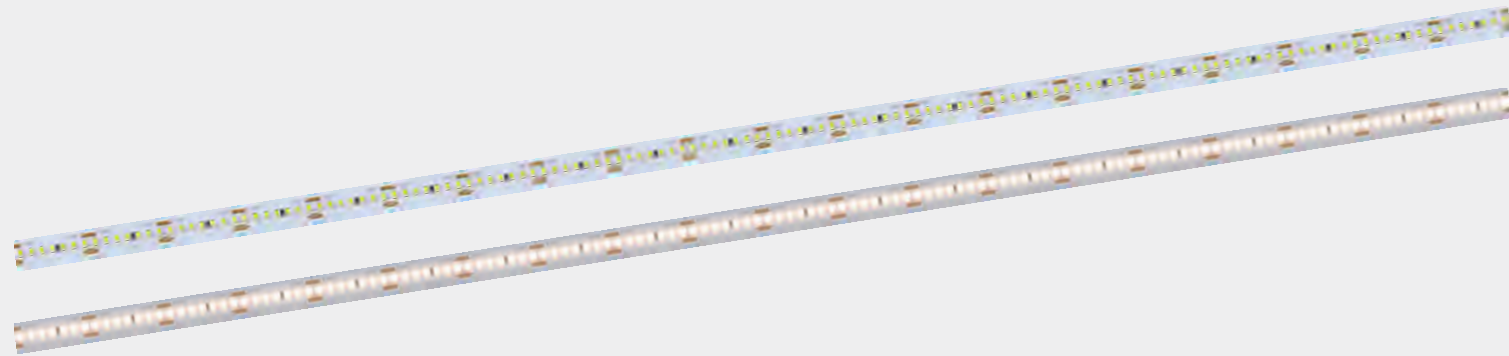
IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



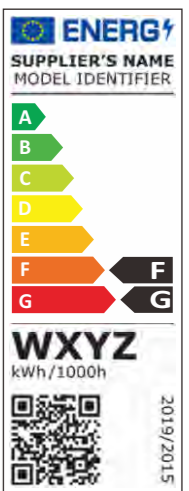
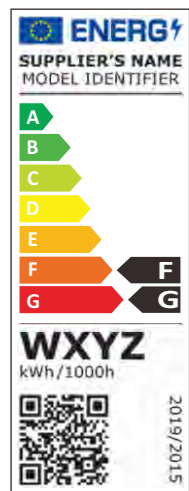
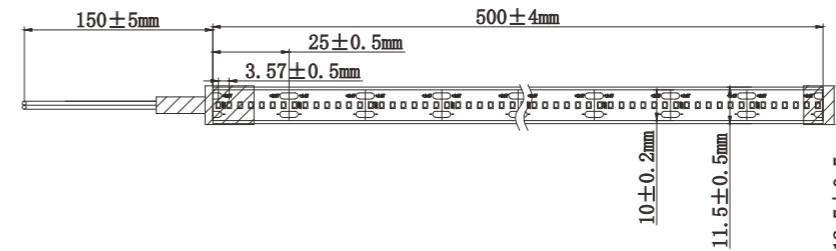
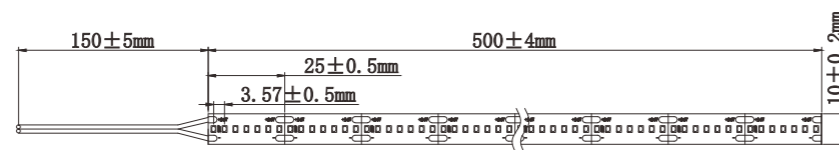
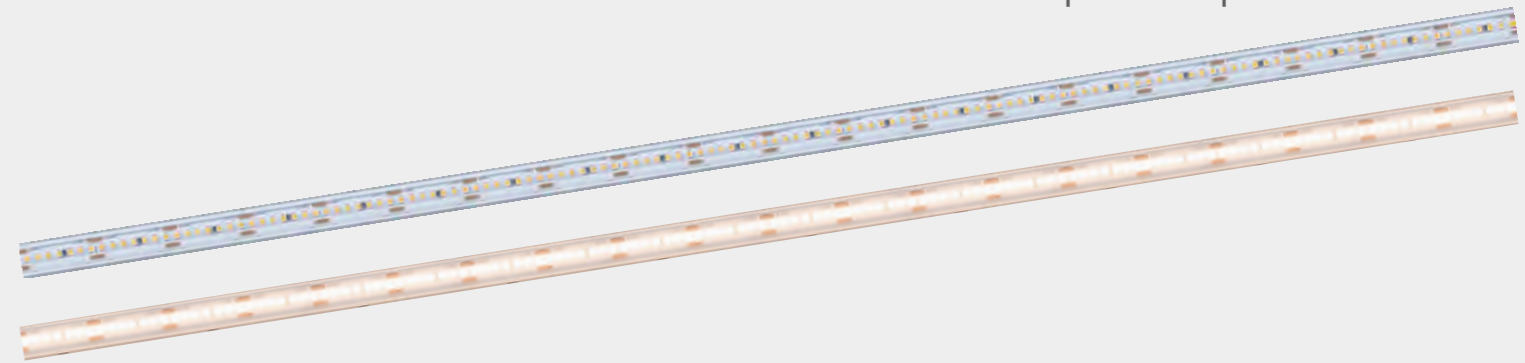
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T16-8A29	9.6	4.8	2216	140	50	F	93	445	2700K	>90/>40	<5	x=0.4536 y=0.4072	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24140T16-8A29	9.6	4.8	2216	140	50	F	94	450	3000K	>90/>40	<5	x=0.4395 y=0.4025	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24140T16-8A29	9.6	4.8	2216	140	50	F	100	480	4000K	>90/>40	<5	x=0.3768 y=0.3732	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24140T16-8A29	9.6	4.8	2216	140	50	F	100	480	6500K	>90/>40	<5	x=0.3195 y=0.3338	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



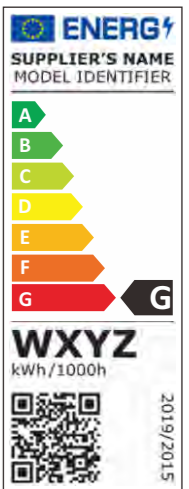
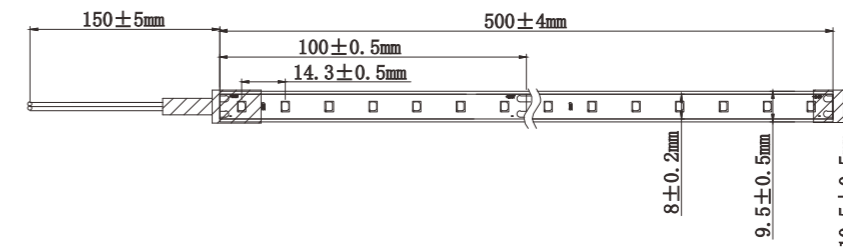
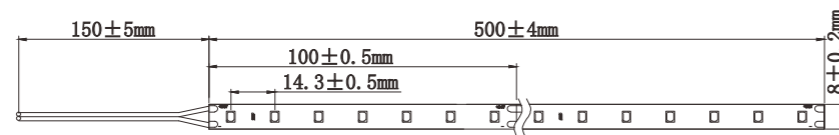
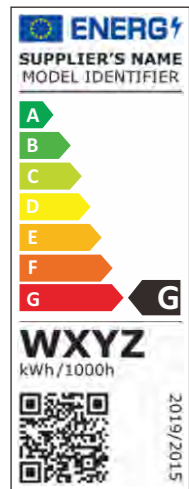
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24280T16-0A19	9.6	4.8	2216	280	25		88	420	2700K	>90/>40	<5	x=0.4536 y=0.4072	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24280T16-0A19	9.6	4.8	2216	280	25		89	425	3000K	>90/>40	<5	x=0.4395 y=0.4025	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24280T16-0A19	9.6	4.8	2216	280	25		98	470	4000K	>90/>40	<5	x=0.3768 y=0.3732	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24280T16-0A19	9.6	4.8	2216	280	25		98	470	6500K	>90/>40	<5	x=0.3195 y=0.3338	24	20/66	4.8	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



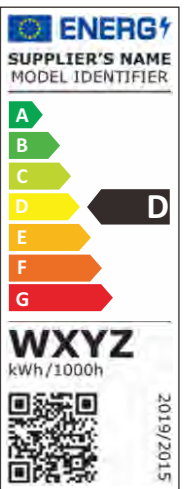
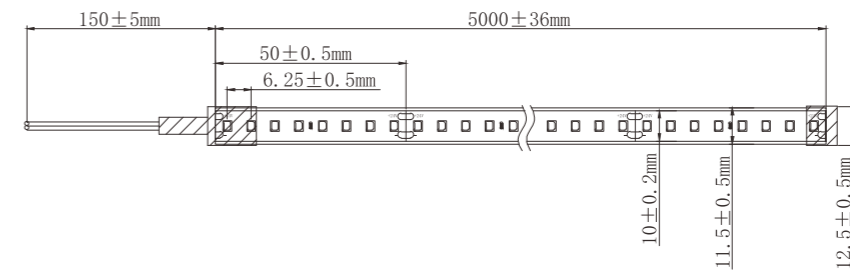
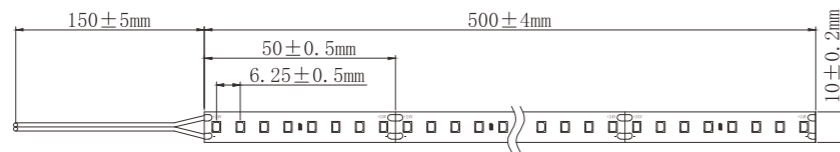
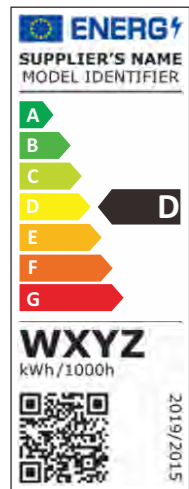
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24070T09-8A49	9.6	4.8	2835	70	100		88	420	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24070T09-8A49	9.6	4.8	2835	70	100		89	425	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24070T09-8A49	9.6	4.8	2835	70	100		92	440	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24070T09-8A49	9.6	4.8	2835	70	100		92	440	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



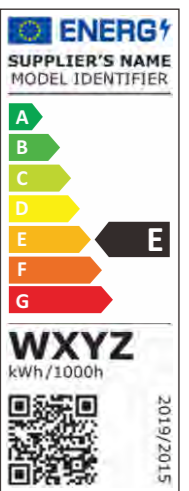
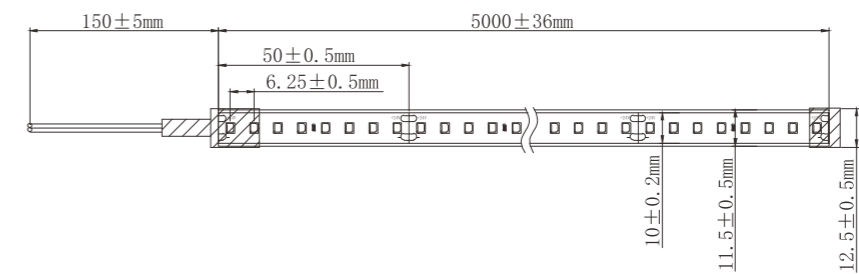
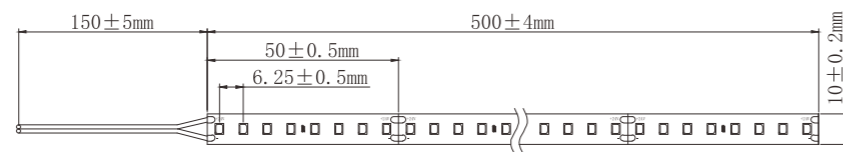
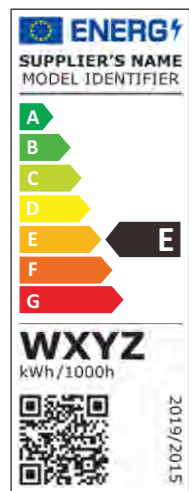
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-0A38	14.4	7.2	2835	160	50	D	153	1100	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24160T09-0A38	14.4	7.2	2835	160	50	D	154	1110	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24160T09-0A38	14.4	7.2	2835	160	50	D	160	1150	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24160T09-0A38	14.4	7.2	2835	160	50	D	160	1150	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



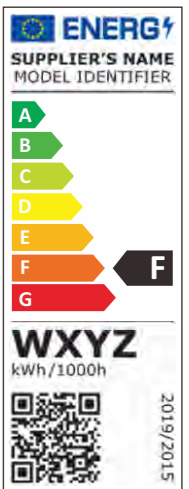
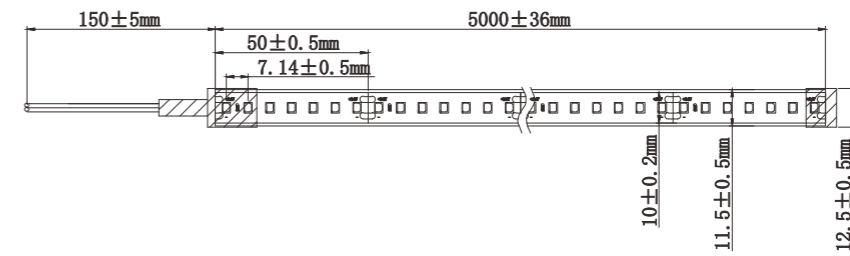
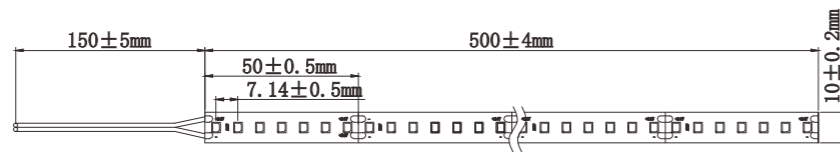
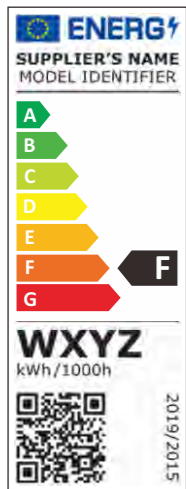
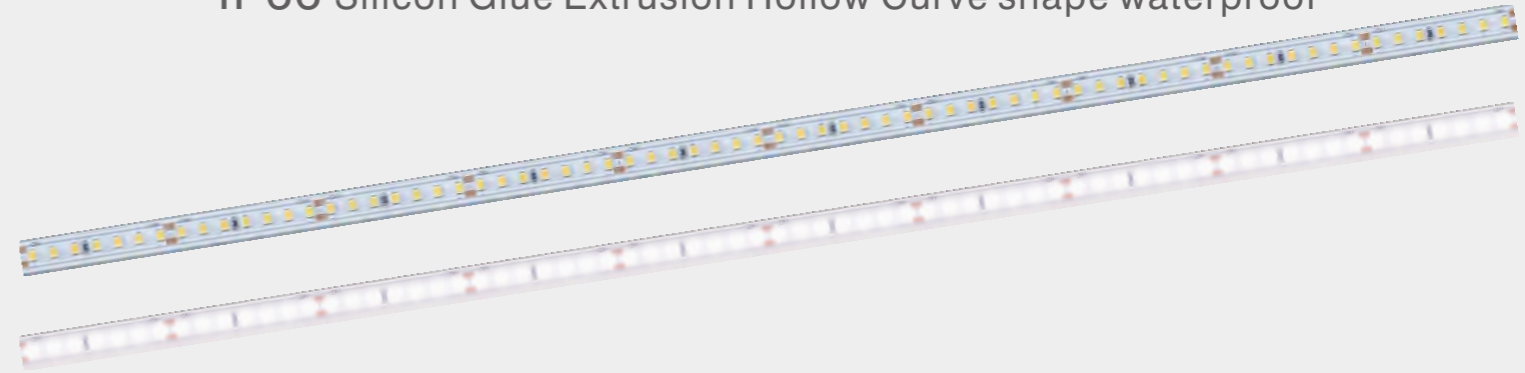
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-0A38	14.4	7.2	2835	160	50	E	132	950	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24160T09-0A38	14.4	7.2	2835	160	50	E	133	960	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24160T09-0A38	14.4	7.2	2835	160	50	E	139	1000	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24160T09-0A38	14.4	7.2	2835	160	50	E	139	1000	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



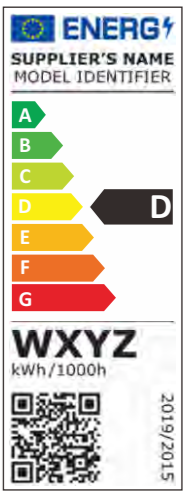
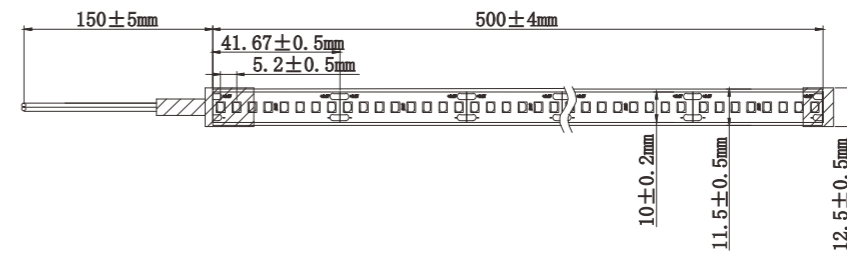
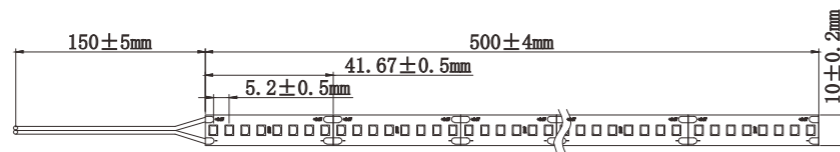
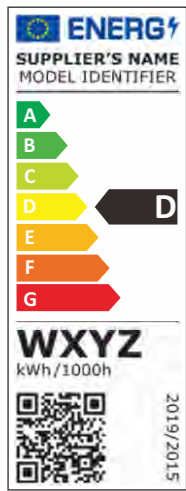
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-0A38	14.4	7.2	2835	140	50	F	104	750	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24140T09-0A38	14.4	7.2	2835	140	50	F	106	760	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24140T09-0A38	14.4	7.2	2835	140	50	F	111	800	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24140T09-0A38	14.4	7.2	2835	140	50	F	111	800	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



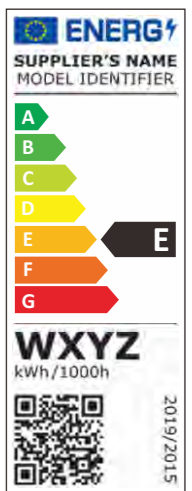
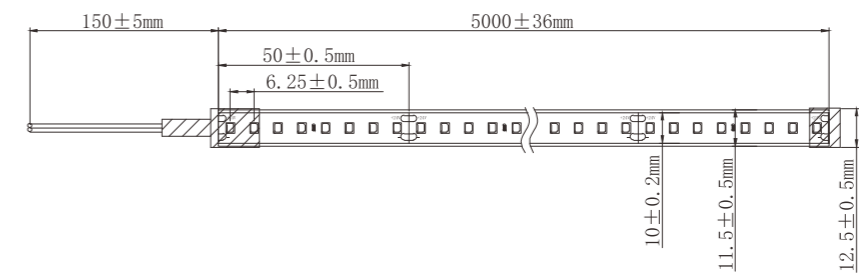
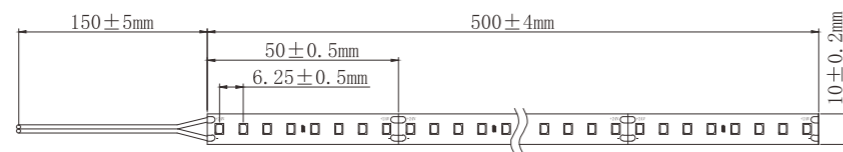
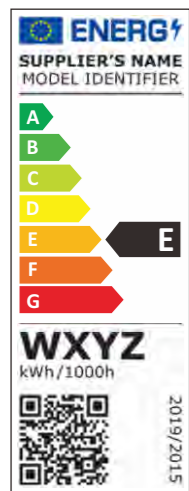
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24192T09-0A39	14.4	7.2	2835	192	41.67	D	147	1060	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24192T09-0A39	14.4	7.2	2835	192	41.67	D	149	1070	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24192T09-0A39	14.4	7.2	2835	192	41.67	D	150	1080	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24192T09-0A39	14.4	7.2	2835	192	41.67	D	150	1080	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



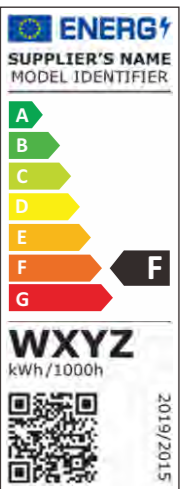
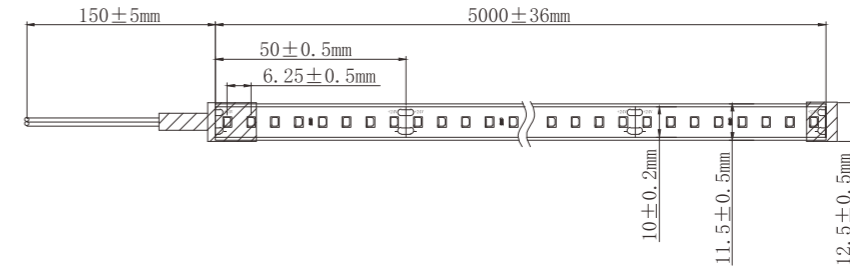
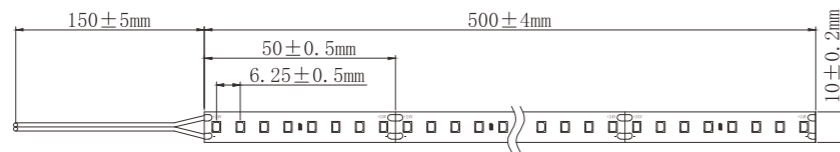
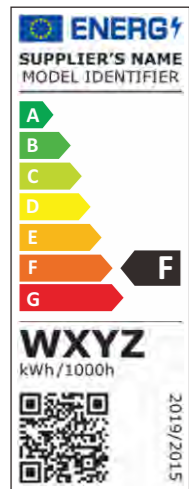
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-0A39	14.4	7.2	2835	160	50	E	136	980	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24160T09-0A39	14.4	7.2	2835	160	50	E	138	990	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24160T09-0A39	14.4	7.2	2835	160	50	E	139	1000	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24160T09-0A39	14.4	7.2	2835	160	50	E	139	1000	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



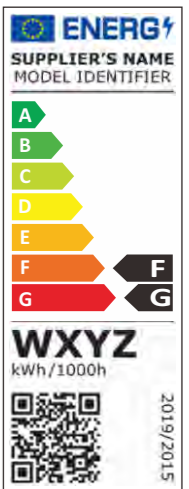
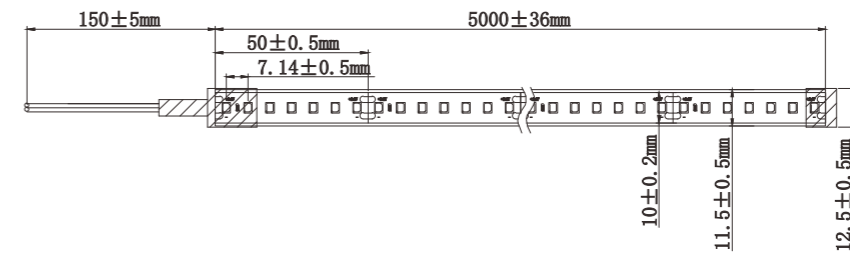
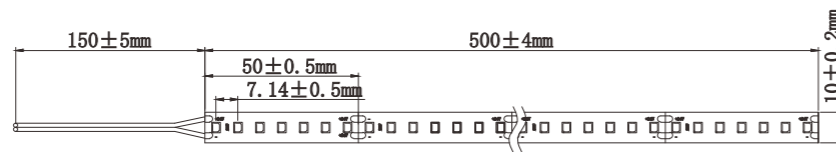
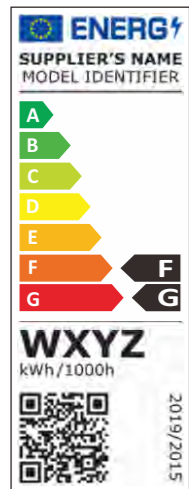
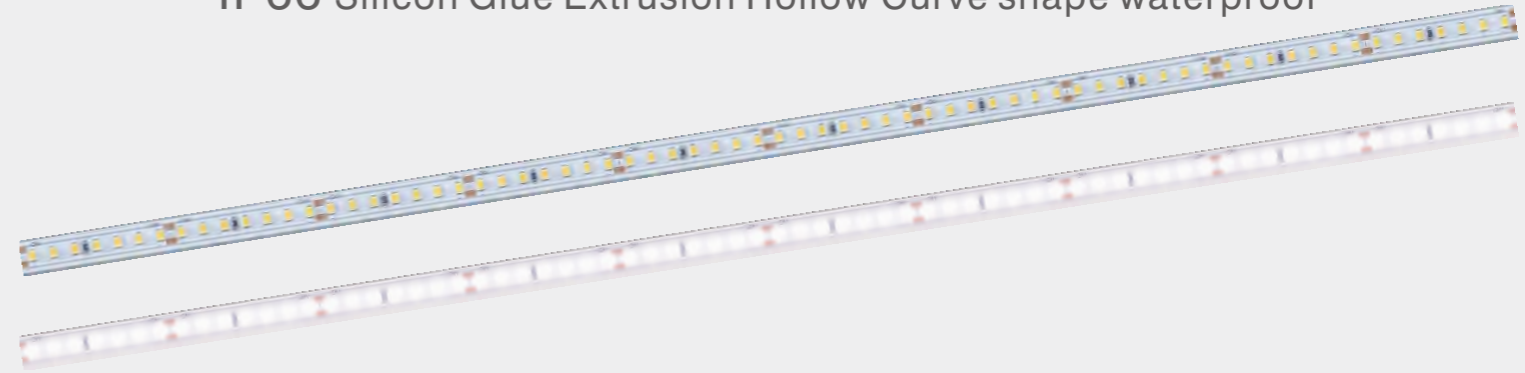
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-0A39	14.4	7.2	2835	160	50	F	111	800	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24160T09-0A39	14.4	7.2	2835	160	50	F	113	810	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24160T09-0A39	14.4	7.2	2835	160	50	F	118	850	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24160T09-0A39	14.4	7.2	2835	160	50	F	118	850	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



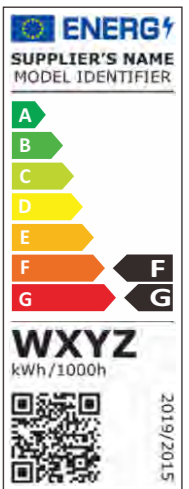
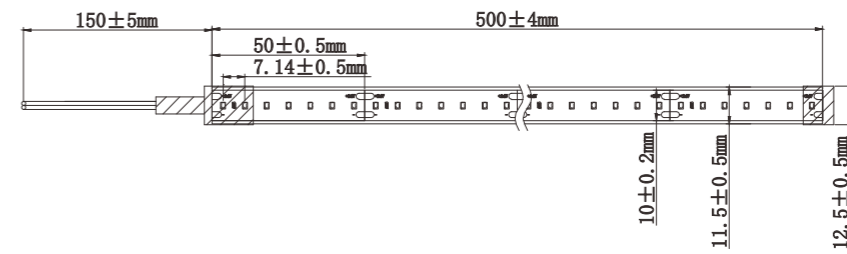
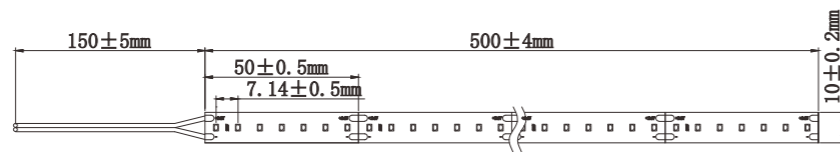
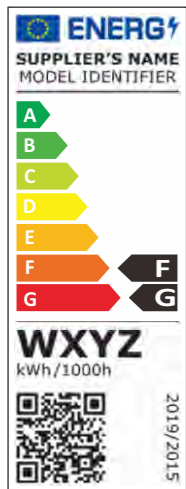
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-0A39	14.4	7.2	2835	140	50		90	650	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24140T09-0A39	14.4	7.2	2835	140	50		91	655	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24140T09-0A39	14.4	7.2	2835	140	50		93	670	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24140T09-0A39	14.4	7.2	2835	140	50		93	670	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



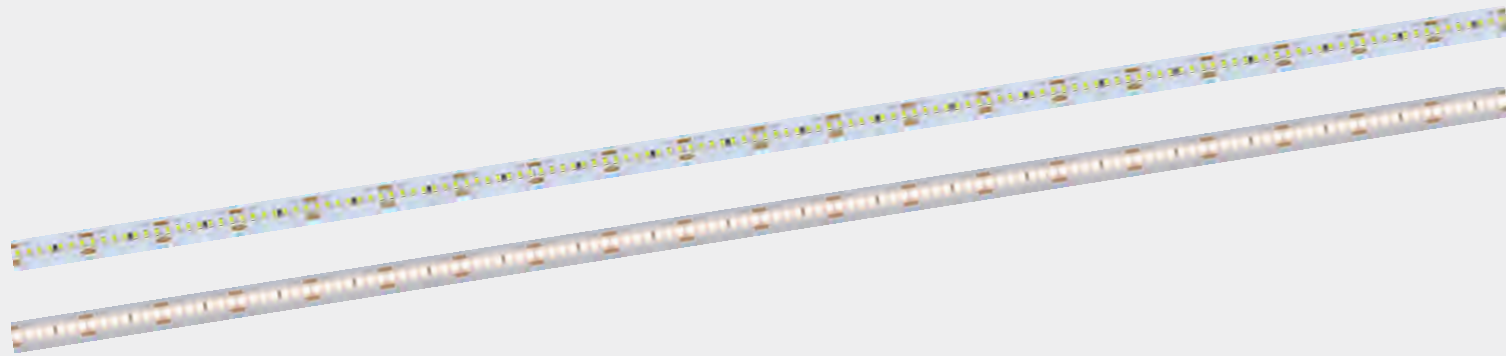
IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



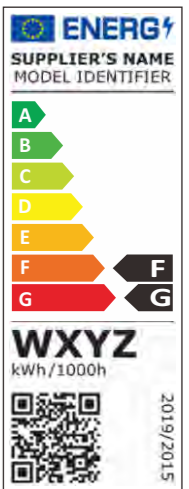
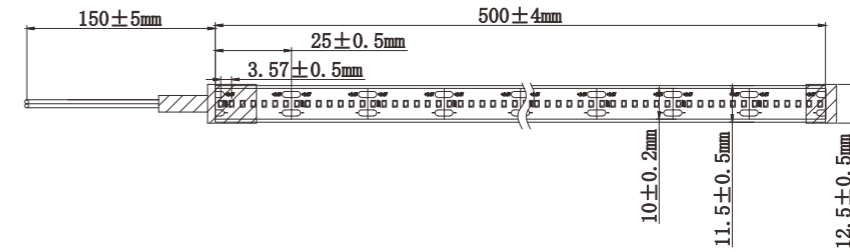
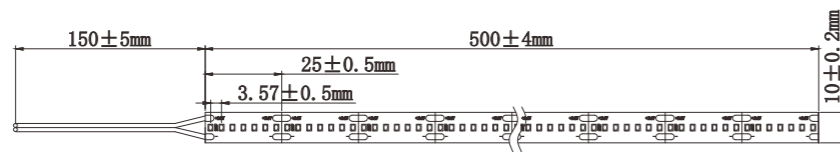
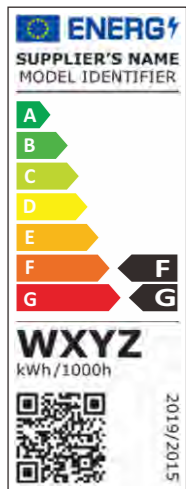
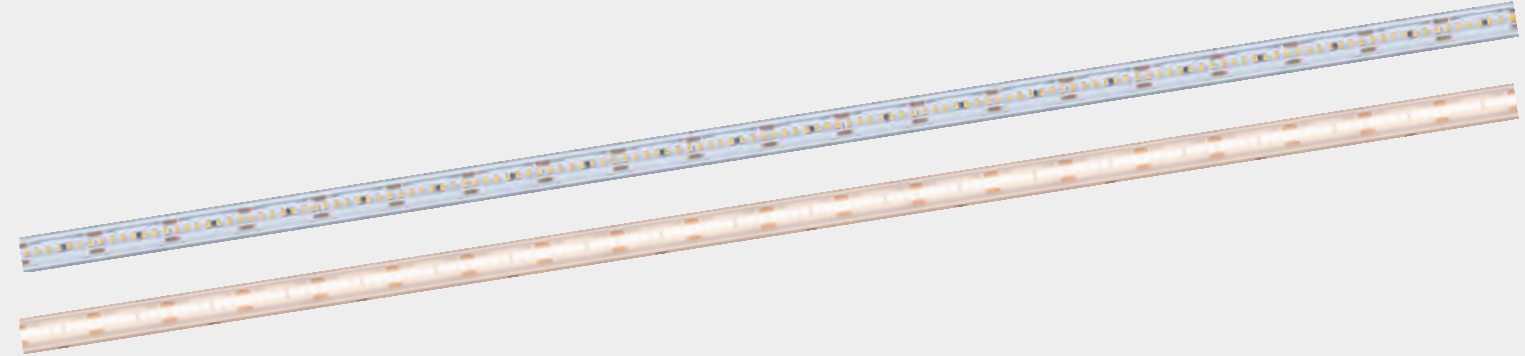
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T16-0A39	14.4	7.2	2216	140	50		90	650	2700K	>90/>40	<5	x=0.4536 y=0.4072	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24140T16-0A39	14.4	7.2	2216	140	50		91	655	3000K	>90/>40	<5	x=0.4395 y=0.4025	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24140T16-0A39	14.4	7.2	2216	140	50		93	670	4000K	>90/>40	<5	x=0.3768 y=0.3732	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24140T16-0A39	14.4	7.2	2216	140	50		93	670	6500K	>90/>40	<5	x=0.3195 y=0.3338	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



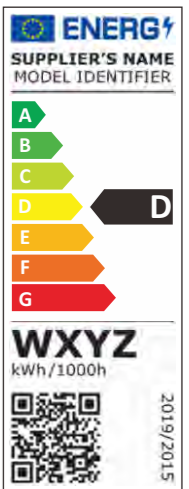
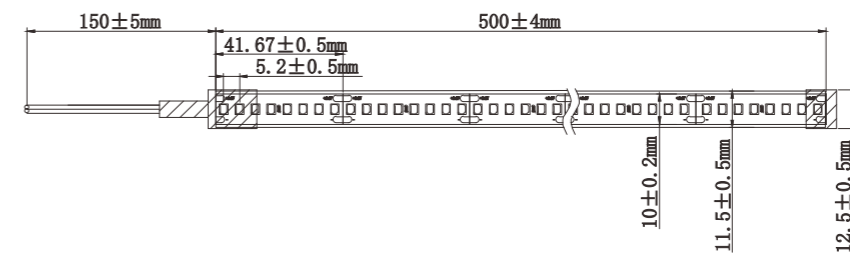
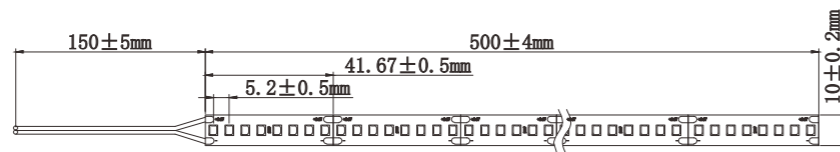
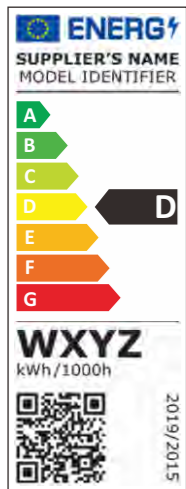
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24280T16-0A29	14.4	7.2	2216	280	25		90	650	2700K	>90/>40	<5	x=0.4536 y=0.4072	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24280T16-0A29	14.4	7.2	2216	280	25		91	655	3000K	>90/>40	<5	x=0.4395 y=0.4025	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24280T16-0A29	14.4	7.2	2216	280	25		96	690	4000K	>90/>40	<5	x=0.3768 y=0.3732	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24280T16-0A29	14.4	7.2	2216	280	25		96	690	6500K	>90/>40	<5	x=0.3195 y=0.3338	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



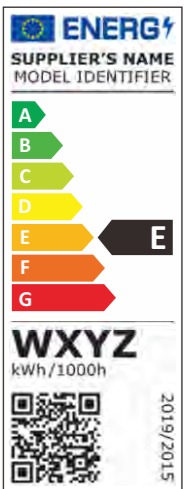
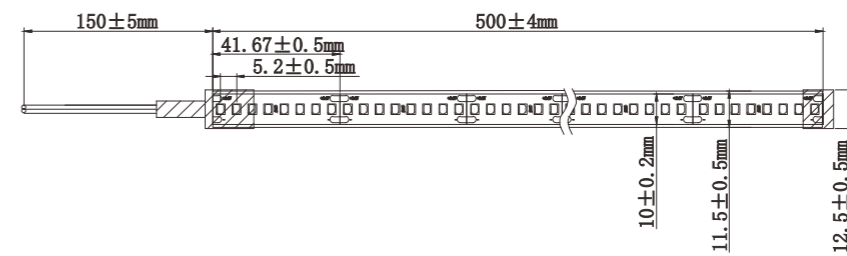
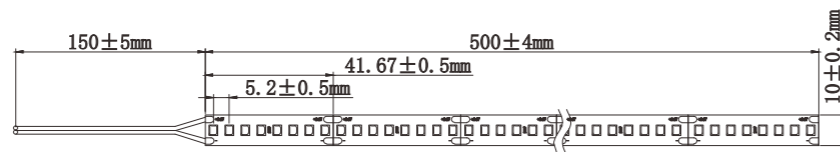
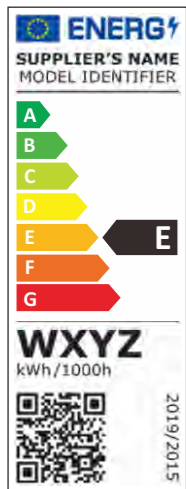
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24192T09-0A48	19.2	9.6	2835	192	41.67	D	149	1430	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24192T09-0A48	19.2	9.6	2835	192	41.67	D	150	1440	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24192T09-0A48	19.2	9.6	2835	192	41.67	D	156	1500	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24192T09-0A48	19.2	9.6	2835	192	41.67	D	156	1500	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



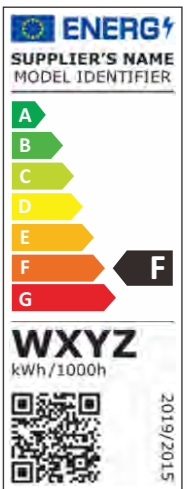
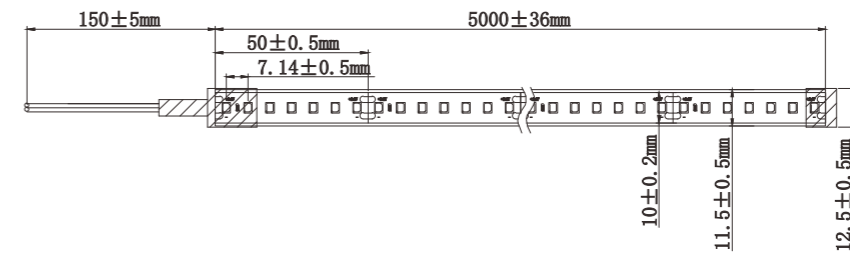
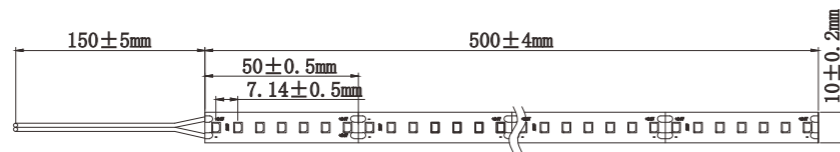
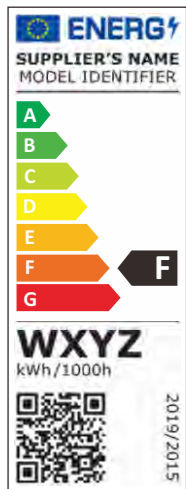
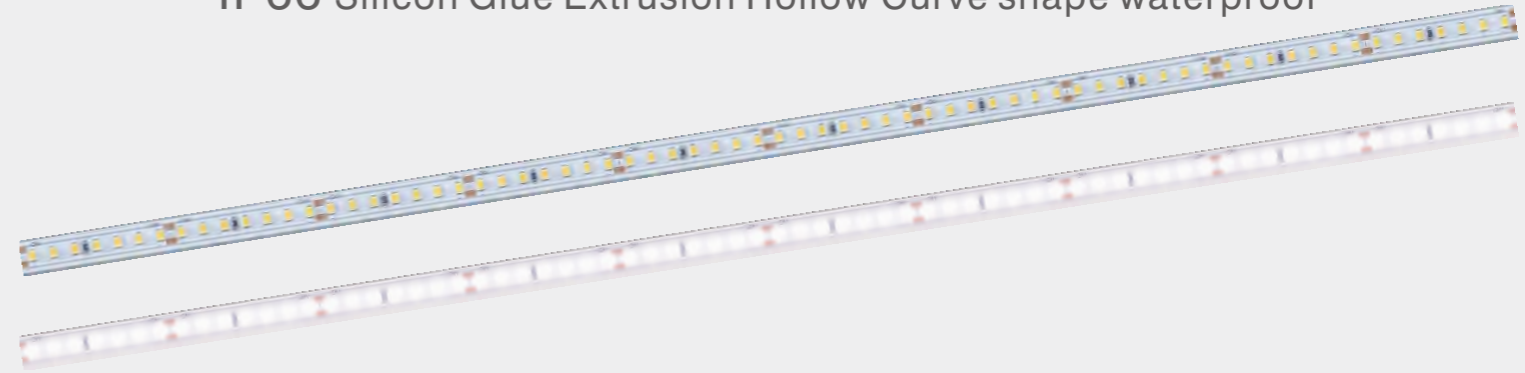
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24192T09-0A48	19.2	9.6	2835	192	41.67	E	130	1250	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24192T09-0A48	19.2	9.6	2835	192	41.67	E	131	1260	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24192T09-0A48	19.2	9.6	2835	192	41.67	E	135	1300	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24192T09-0A48	19.2	9.6	2835	192	41.67	E	135	1300	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



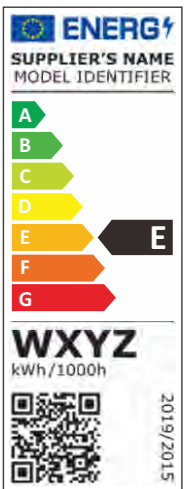
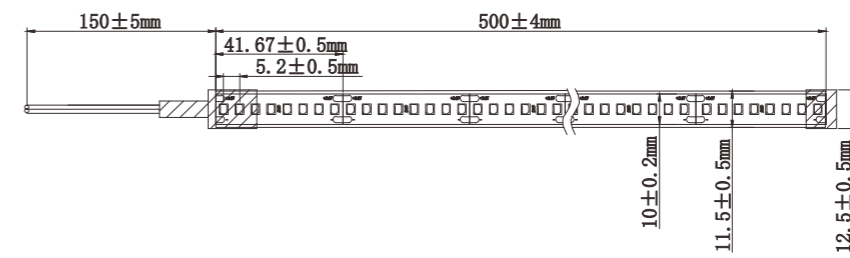
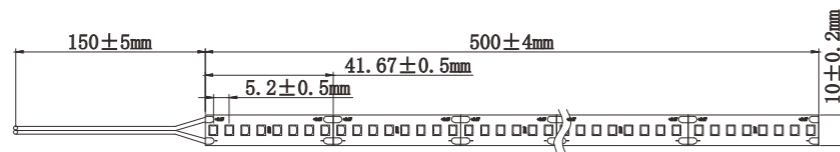
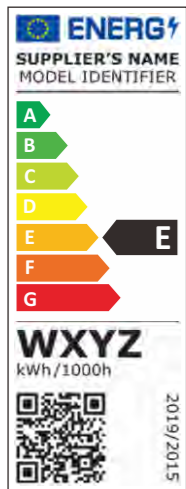
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-0A48	19.2	9.6	2835	140	50	F	102	980	2700K	>80/>0	<5	x=0.463 y=0.420	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24140T09-0A48	19.2	9.6	2835	140	50	F	103	990	3000K	>80/>0	<5	x=0.44 y=0.403	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24140T09-0A48	19.2	9.6	2835	140	50	F	104	1000	4000K	>80/>0	<5	x=0.38 y=0.38	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24140T09-0A48	19.2	9.6	2835	140	50	F	104	1000	6500K	>80/>0	<5	x=0.313 y=0.337	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



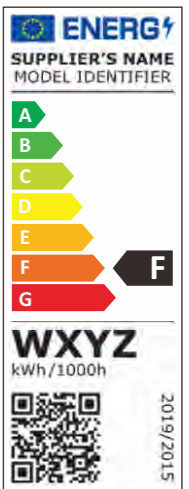
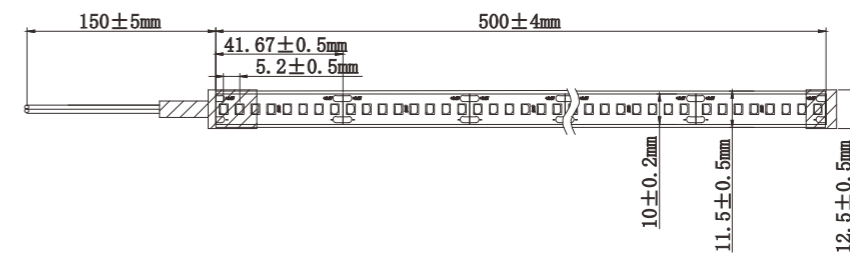
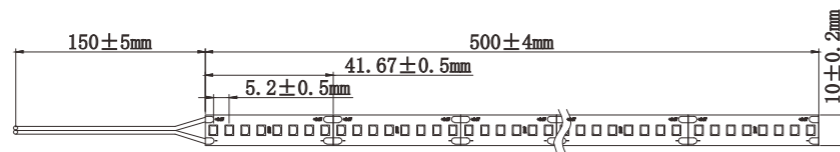
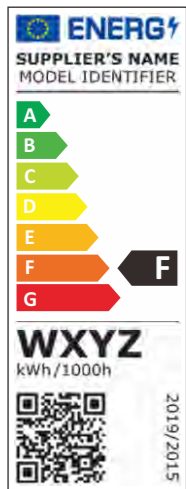
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24192T09-0A49	19.2	9.6	2835	192	41.67	E	139	1330	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24192T09-0A49	19.2	9.6	2835	192	41.67	E	140	1340	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24192T09-0A49	19.2	9.6	2835	192	41.67	E	146	1400	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24192T09-0A49	19.2	9.6	2835	192	41.67	E	146	1400	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



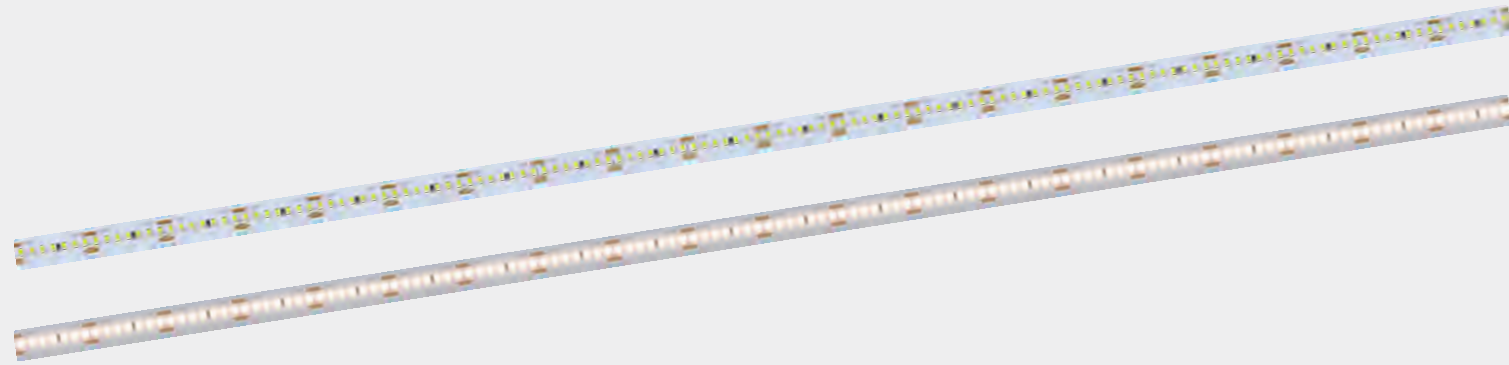
IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



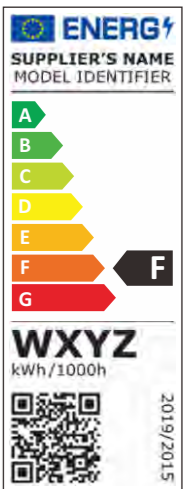
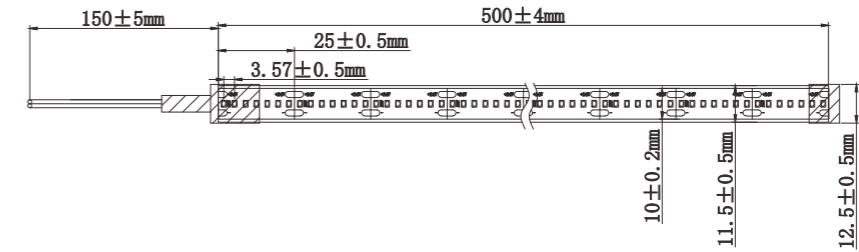
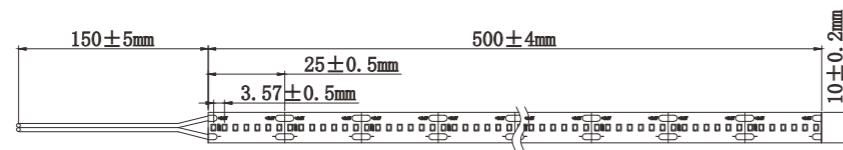
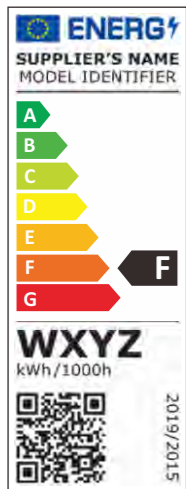
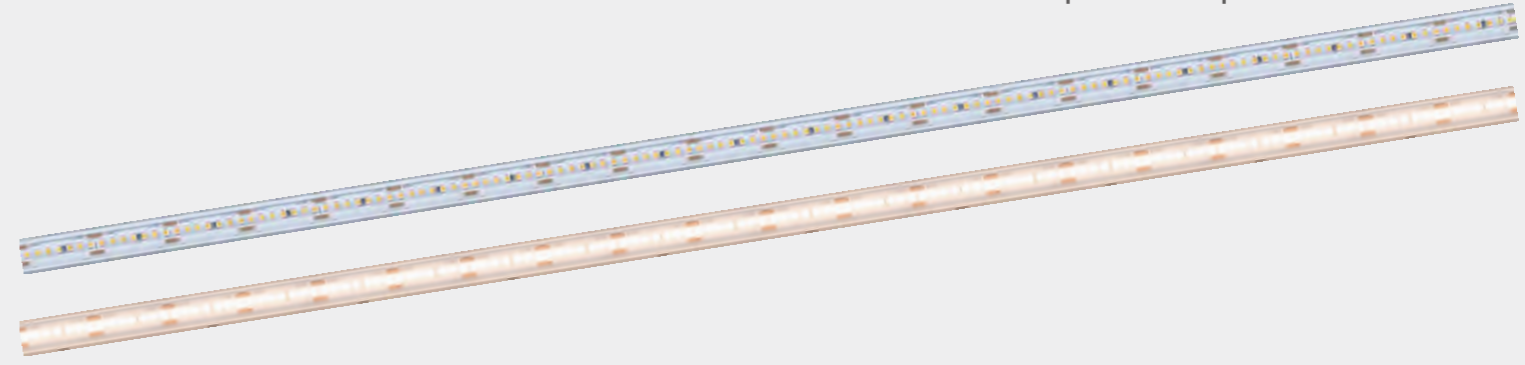
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24192T09-0A49	19.2	9.6	2835	192	41.67	F	109	1050	2700K	>90/>40	<5	x=0.463 y=0.420	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24192T09-0A49	19.2	9.6	2835	192	41.67	F	110	1060	3000K	>90/>40	<5	x=0.44 y=0.403	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24192T09-0A49	19.2	9.6	2835	192	41.67	F	115	1100	4000K	>90/>40	<5	x=0.38 y=0.38	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24192T09-0A49	19.2	9.6	2835	192	41.67	F	115	1100	6500K	>90/>40	<5	x=0.313 y=0.337	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



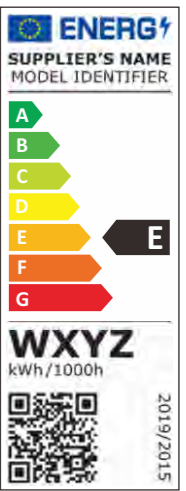
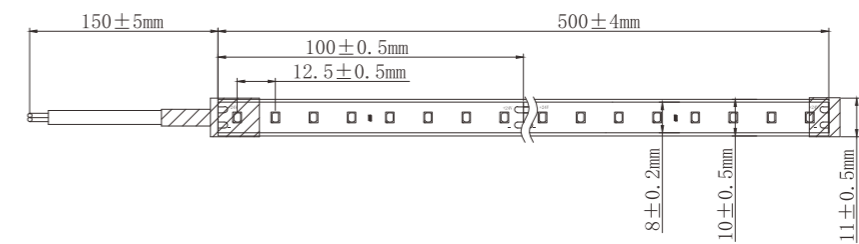
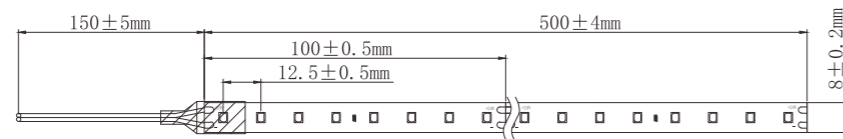
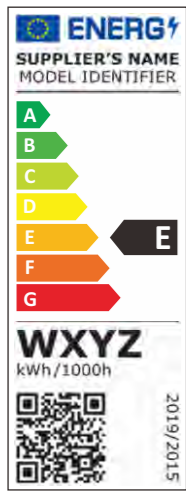
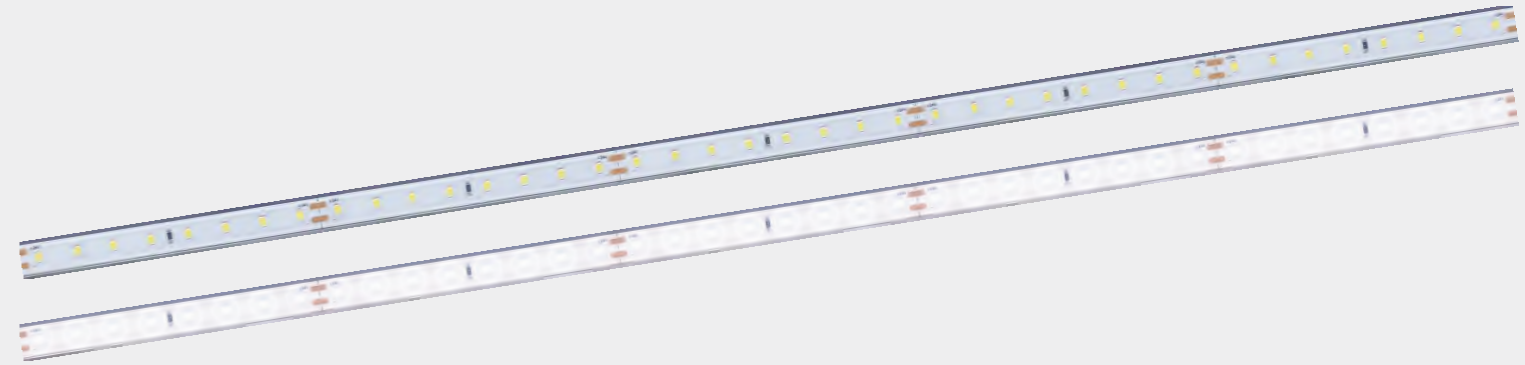
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24280T16-0A29	19.2	9.6	2216	280	25	F	96	920	2700K	>90/>40	<5	x=0.4536 y=0.4072	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24280T16-0A29	19.2	9.6	2216	280	25	F	97	930	3000K	>90/>40	<5	x=0.4395 y=0.4025	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24280T16-0A29	19.2	9.6	2216	280	25	F	102	980	4000K	>90/>40	<5	x=0.3768 y=0.3732	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24280T16-0A29	19.2	9.6	2216	280	25	F	102	980	6500K	>90/>40	<5	x=0.3195 y=0.3338	24	20/66	9.6	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof

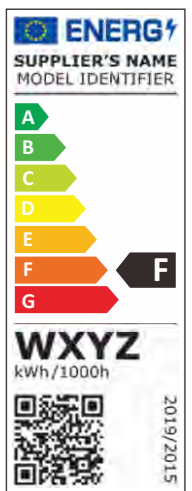
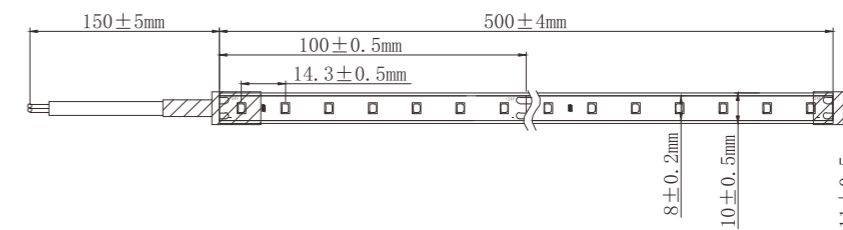
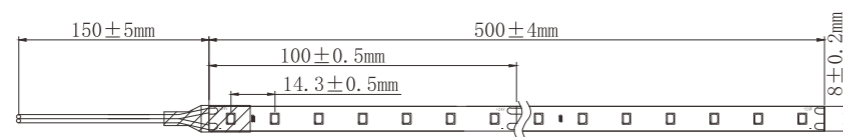
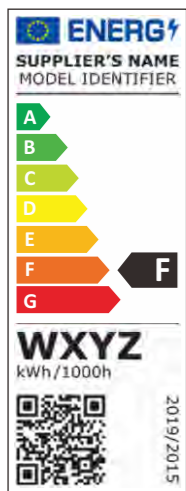
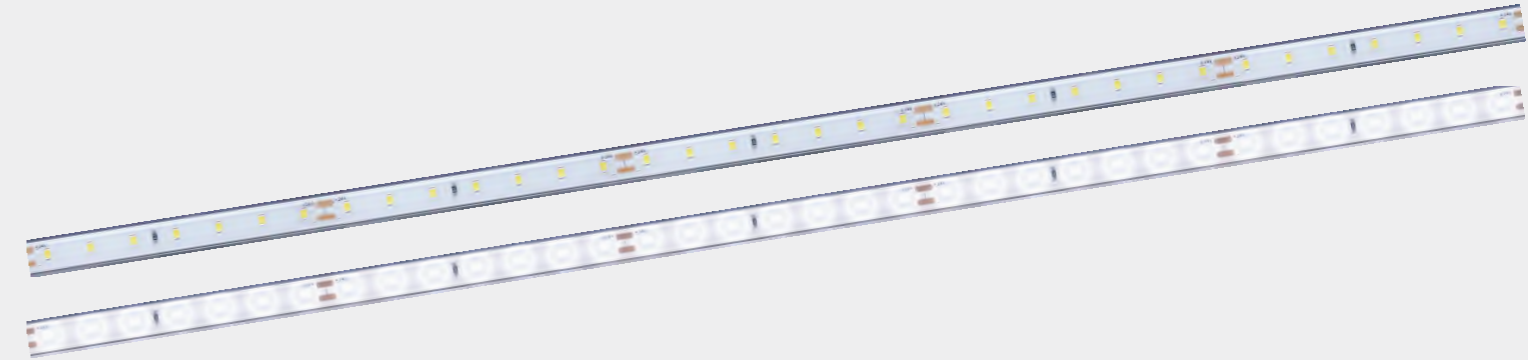


Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24080T09-8A28	4.8	2.4	2835	80	100	E	121	290	2700K	>80/>0	<5	x=0.4592 y=0.4189	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-INDF24080T09-8A28	4.8	2.4	2835	80	100	E	123	295	3000K	>80/>0	<5	x=0.4352 y=0.4108	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-DNDF24080T09-8A28	4.8	2.4	2835	80	100	E	125	300	4000K	>80/>0	<5	x=0.3772 y=0.3752	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-WNDF24080T09-8A28	4.8	2.4	2835	80	100	E	125	300	6000K	>80/>0	<5	x=0.3228 y=0.3298	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof

IP67 Silicon Glue Solid Extrusion waterproof



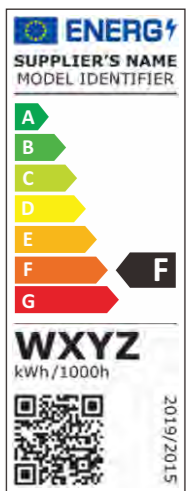
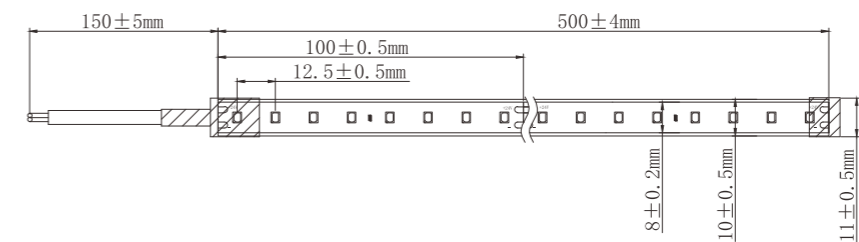
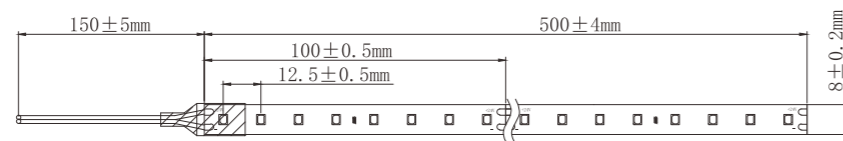
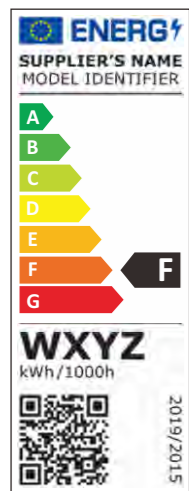
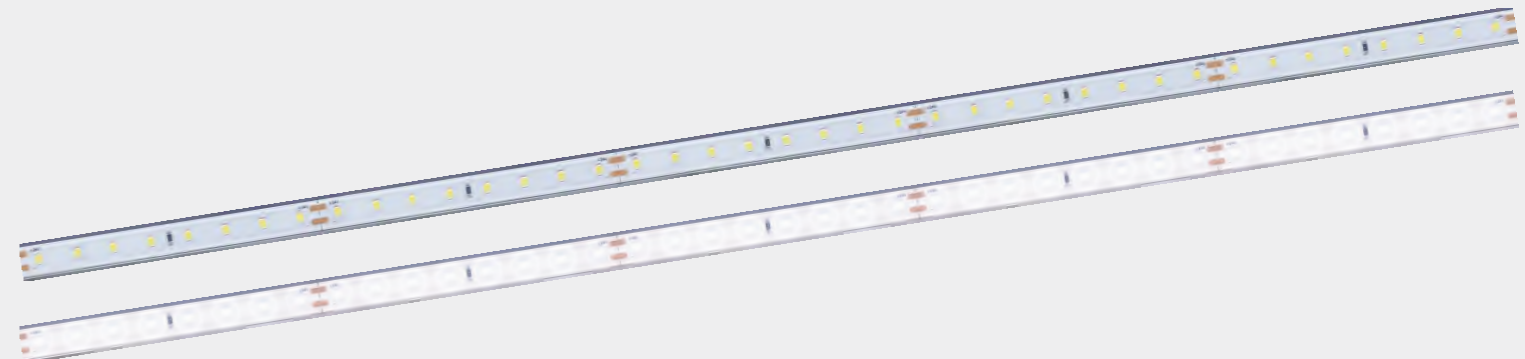
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24070T09-8A28	4.8	2.4	2835	70	100	F	100	240	2700K	>80/>0	<5	x=0.4592 y=0.4189	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-INDF24070T09-8A28	4.8	2.4	2835	70	100	F	104	250	3000K	>80/>0	<5	x=0.4352 y=0.4108	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-DNDF24070T09-8A28	4.8	2.4	2835	70	100	F	108	260	4000K	>80/>0	<5	x=0.3772 y=0.3752	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-WNDF24070T09-8A28	4.8	2.4	2835	70	100	F	108	260	6000K	>80/>0	<5	x=0.3228 y=0.3298	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof

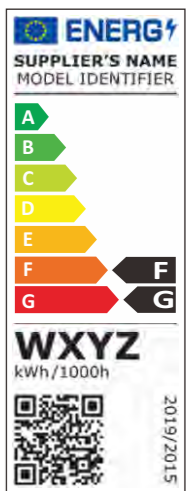
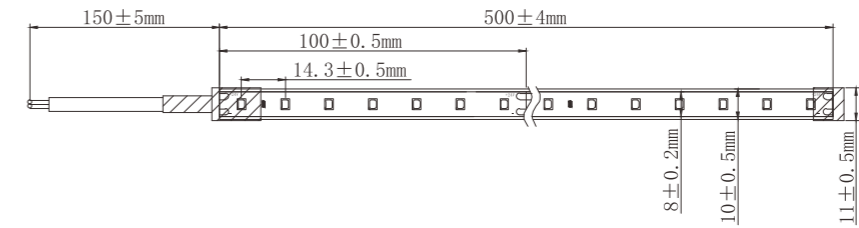
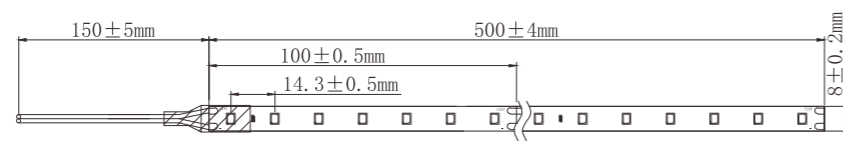
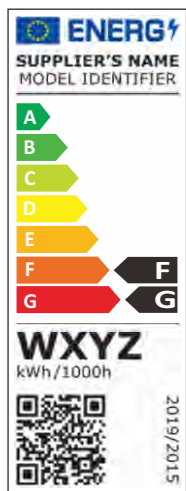
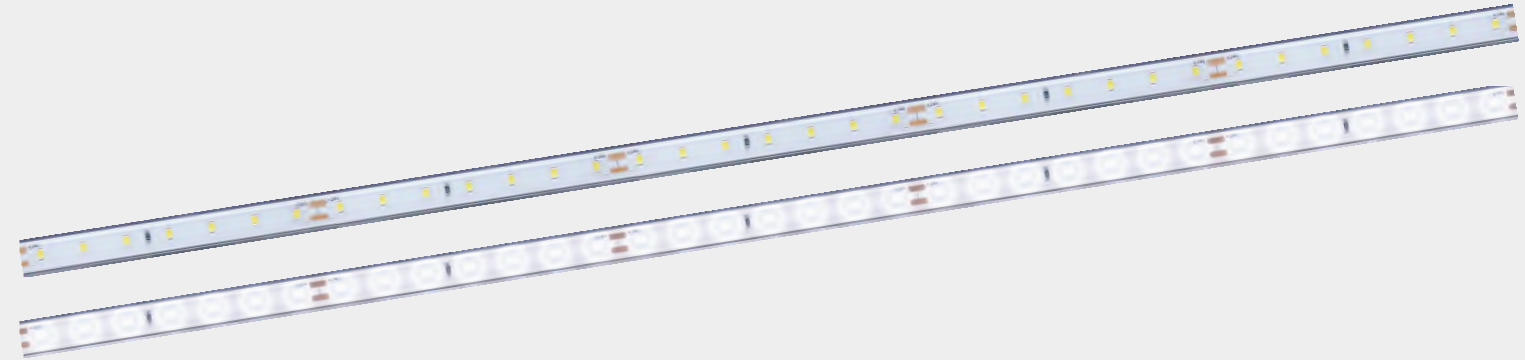


Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24080T09-8A29	4.8	2.4	2835	80	100	F	100	240	2700K	>90/>40	<5	x=0.4592 y=0.4189	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-INDF24080T09-8A29	4.8	2.4	2835	80	100	F	102	245	3000K	>90/>40	<5	x=0.4352 y=0.4108	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-DNDF24080T09-8A29	4.8	2.4	2835	80	100	F	113	270	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-WNDF24080T09-8A29	4.8	2.4	2835	80	100	F	113	270	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof

IP67 Silicon Glue Solid Extrusion waterproof



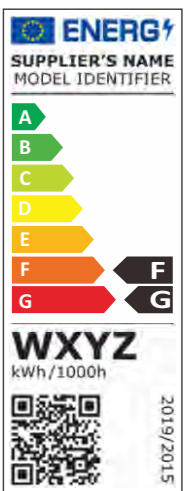
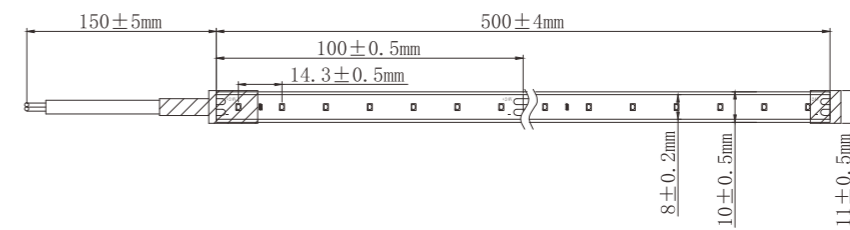
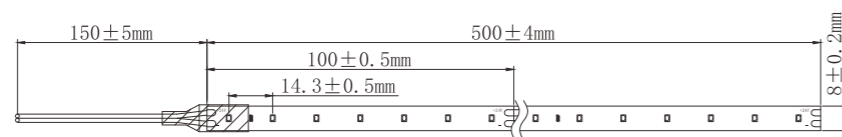
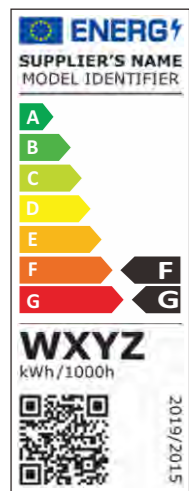
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Tyoe	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24070T09-8A29	4.8	2.4	2835	70	100		88	210	2700K	>90/>40	<5	x=0.4592 y=0.4189	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-INDF24070T09-8A29	4.8	2.4	2835	70	100		92	220	3000K	>90/>40	<5	x=0.4352 y=0.4108	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-DNDF24070T09-8A29	4.8	2.4	2835	70	100		96	230	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-WNDF24070T09-8A29	4.8	2.4	2835	70	100		96	230	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



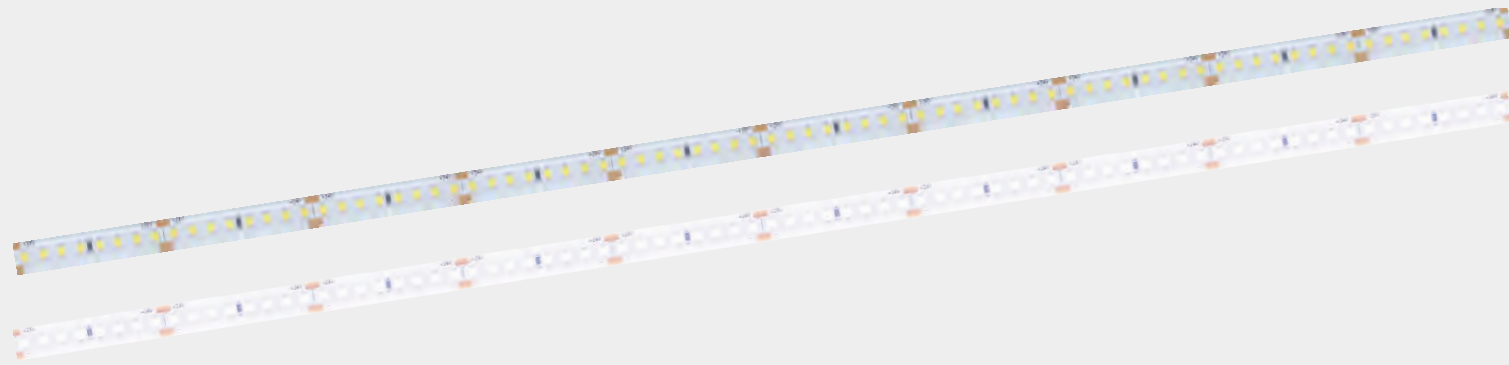
IP67 Silicon Glue Solid Extrusion waterproof



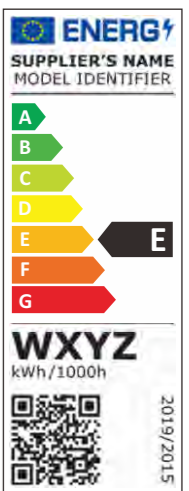
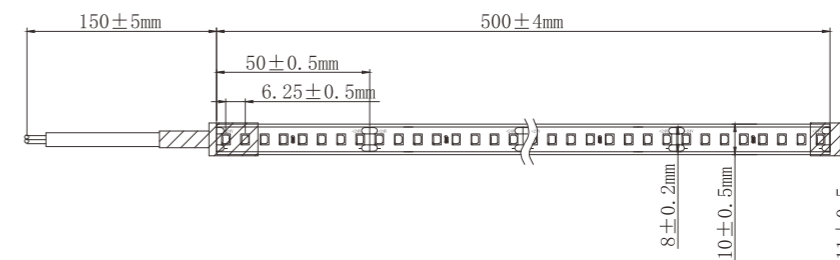
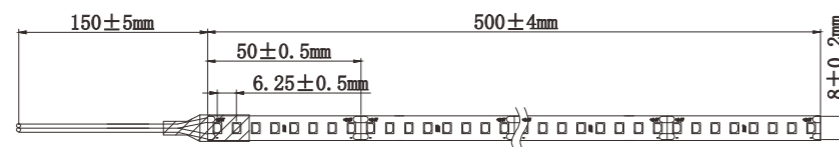
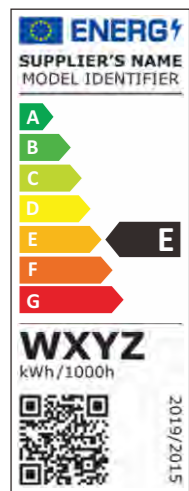
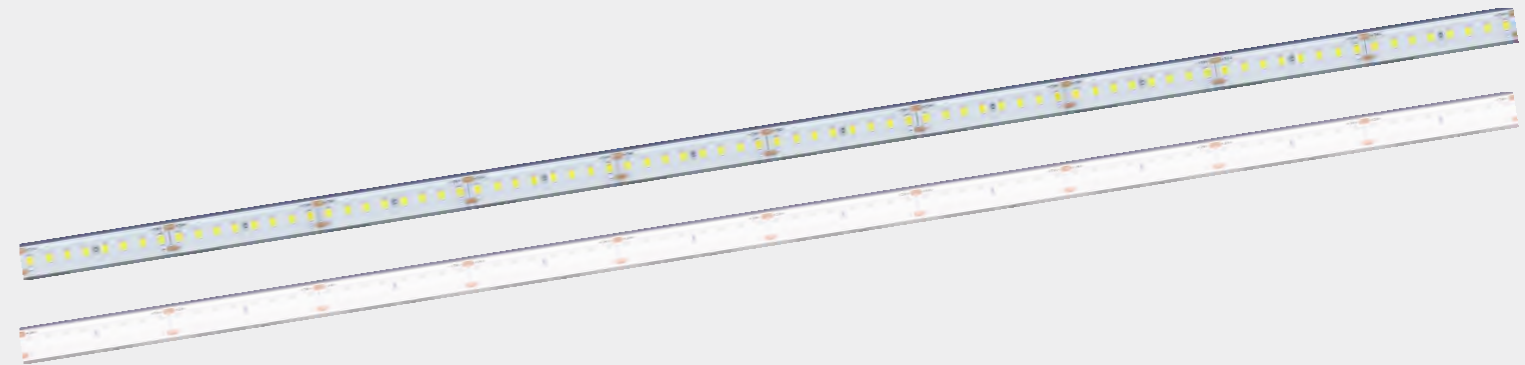
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24070T16-8A29	4.8	2.4	2216	70	100		83	200	2700K	>90/>40	<5	x=0.4612 y=0.4164	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-INDF24070T16-8A29	4.8	2.4	2216	70	100		88	210	3000K	>90/>40	<5	x=0.44 y=0.409	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-DNDF24070T16-8A29	4.8	2.4	2216	70	100		96	230	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96
CLT-WNDF24070T16-8A29	4.8	2.4	2216	70	100		96	230	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	2.4	500*8*3/ 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof



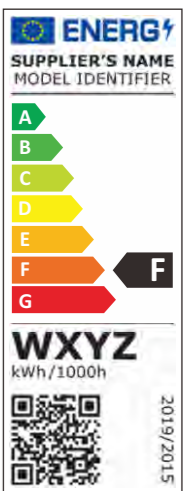
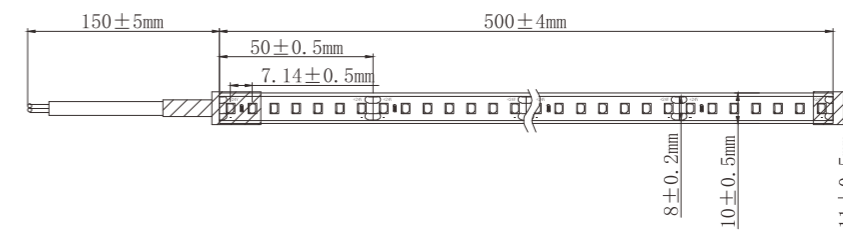
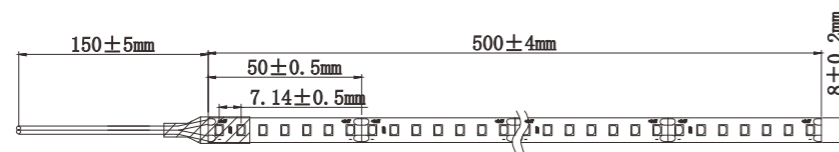
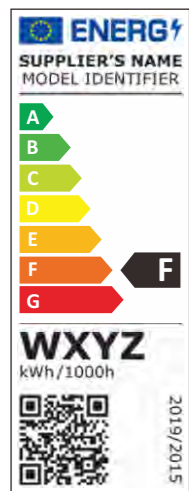
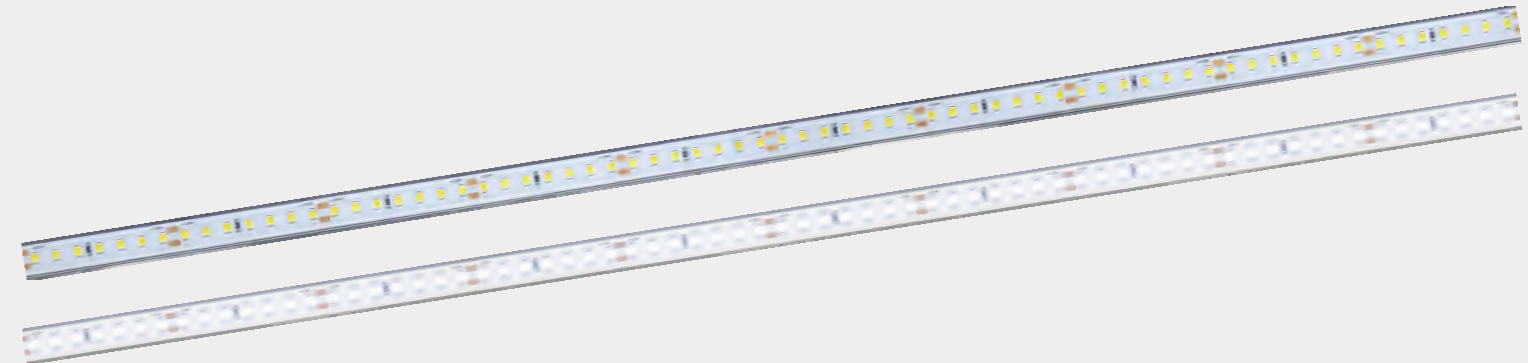
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24160T09-8A28	9.6	4.8	2835	160	50	E	122	585	2700K	>80/>0	<5	x=0.4592 y=0.4189	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24160T09-8A28	9.6	4.8	2835	160	50	E	123	590	3000K	>80/>0	<5	x=0.4352 y=0.4108	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24160T09-8A28	9.6	4.8	2835	160	50	E	127	610	4000K	>80/>0	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24160T09-8A28	9.6	4.8	2835	160	50	E	127	610	6000K	>80/>0	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof

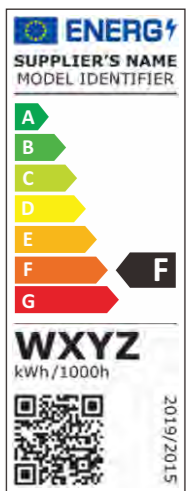
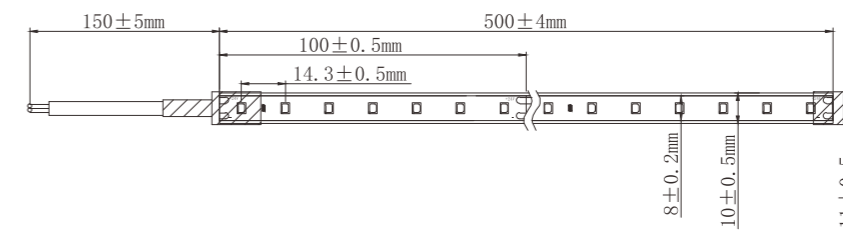
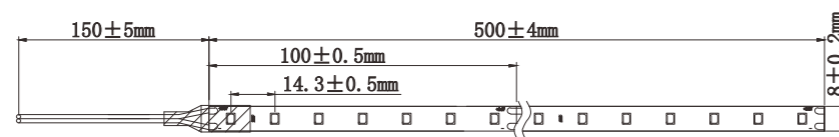
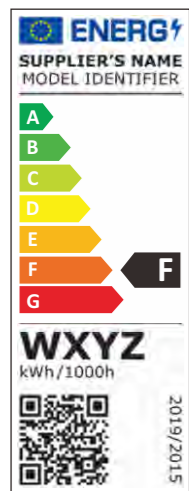
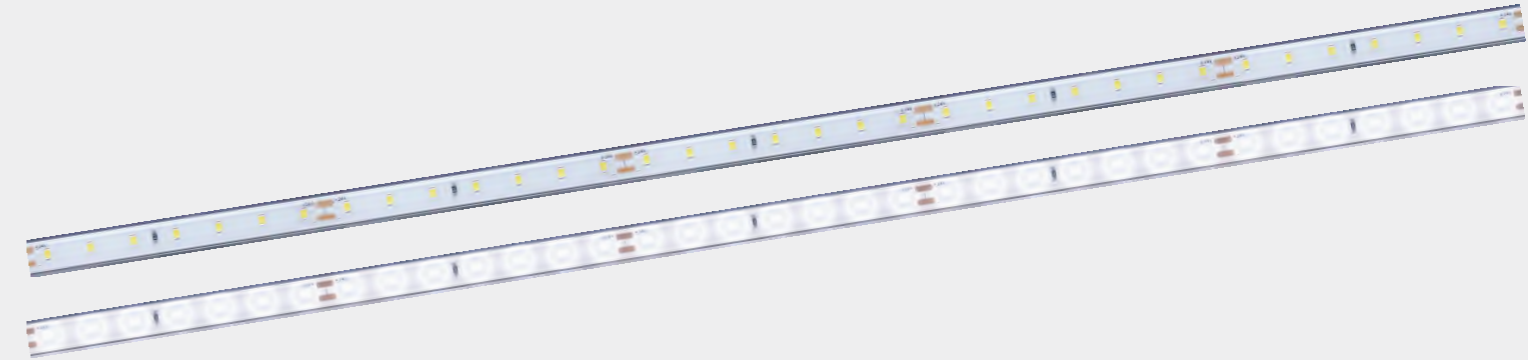


Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24140T09-8A28	9.6	4.8	2835	140	50	F	104	500	2700K	>80/>0	<5	x=0.4592 y=0.4189	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24140T09-8A28	9.6	4.8	2835	140	50	F	106	510	3000K	>80/>0	<5	x=0.4352 y=0.4108	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24140T09-8A28	9.6	4.8	2835	140	50	F	108	520	4000K	>80/>0	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24140T09-8A28	9.6	4.8	2835	140	50	F	108	520	6000K	>80/>0	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof

IP67 Silicon Glue Solid Extrusion waterproof



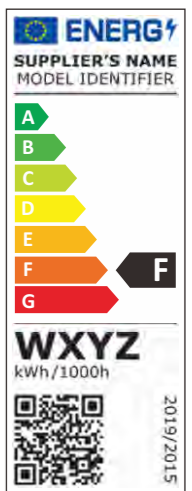
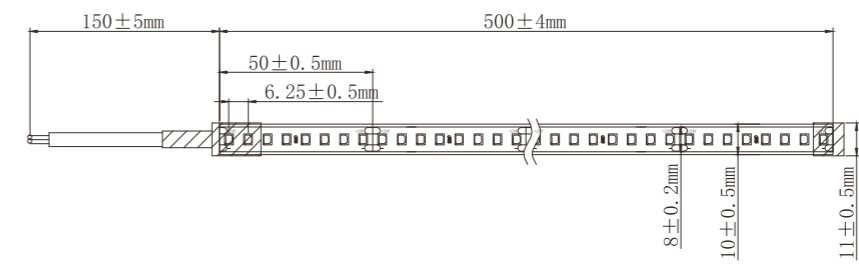
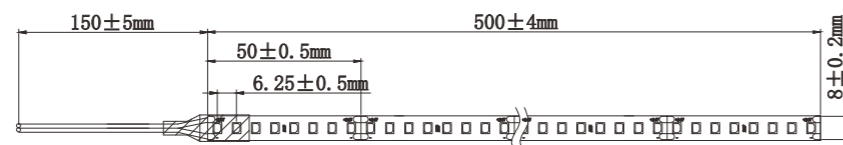
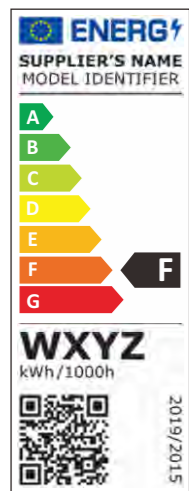
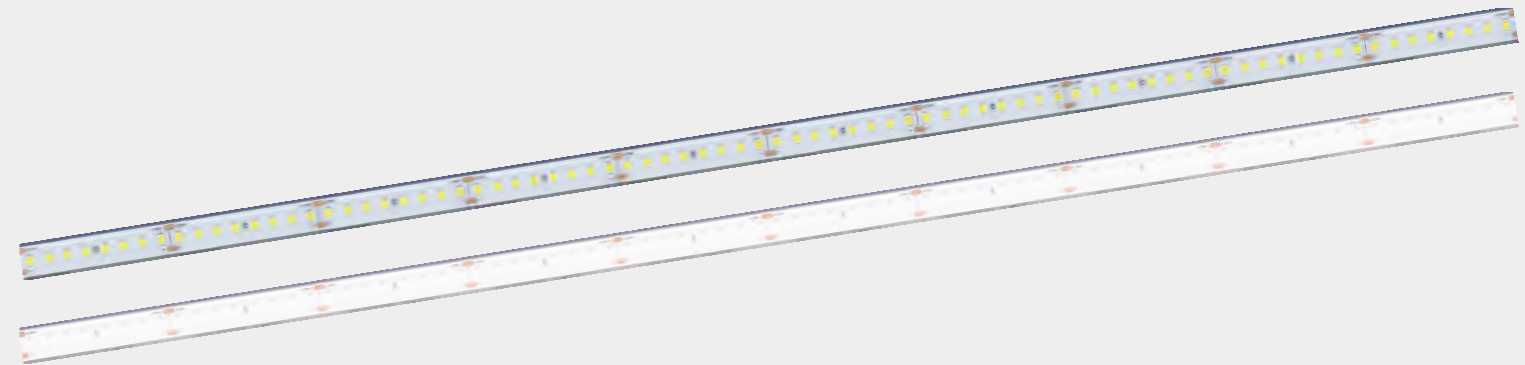
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24070T09-8A48	9.6	4.8	2835	70	100	F	96	460	2700K	>80/>0	<5	x=0.4592 y=0.4189	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24070T09-8A48	9.6	4.8	2835	70	100	F	100	480	3000K	>80/>0	<5	x=0.4352 y=0.4108	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24070T09-8A48	9.6	4.8	2835	70	100	F	102	490	4000K	>80/>0	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24070T09-8A48	9.6	4.8	2835	70	100	F	102	490	6000K	>80/>0	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof



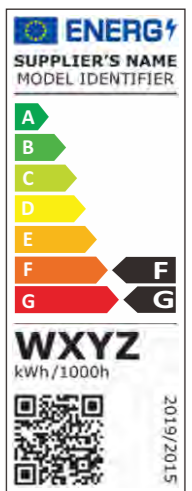
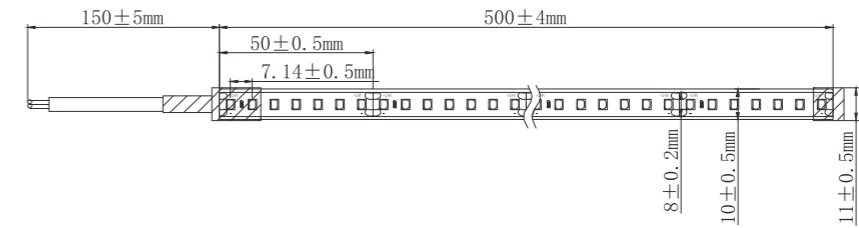
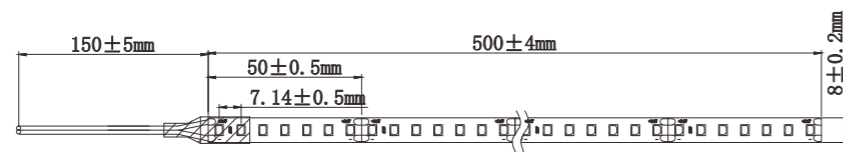
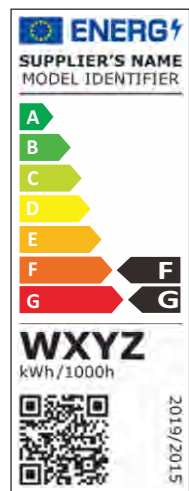
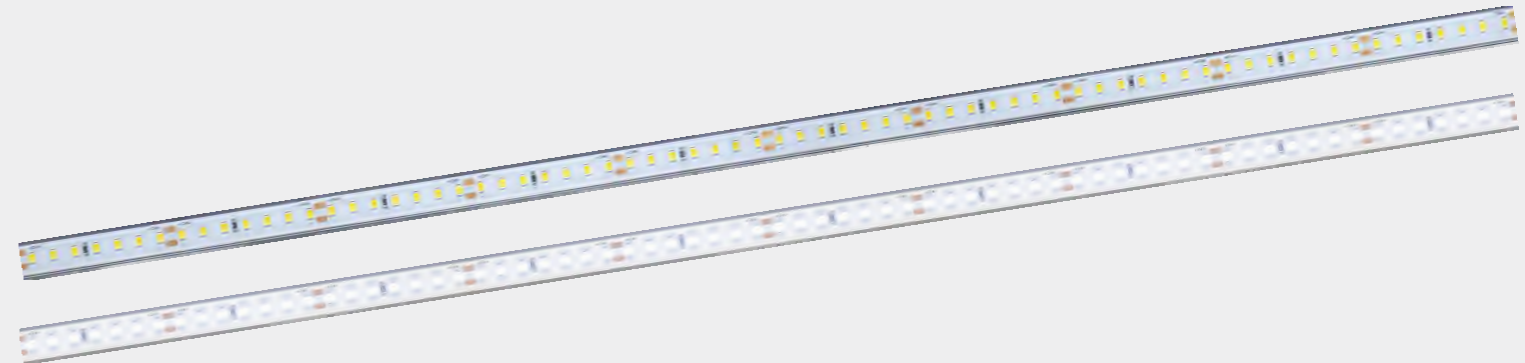
Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24160T09-8A29	9.6	4.8	2835	160	50	F	103	495	2700K	>90/>40	<5	x=0.4592 y=0.4189	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24160T09-8A29	9.6	4.8	2835	160	50	F	104	500	3000K	>90/>40	<5	x=0.4352 y=0.4108	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24160T09-8A29	9.6	4.8	2835	160	50	F	106	510	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24160T09-8A29	9.6	4.8	2835	160	50	F	106	510	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof



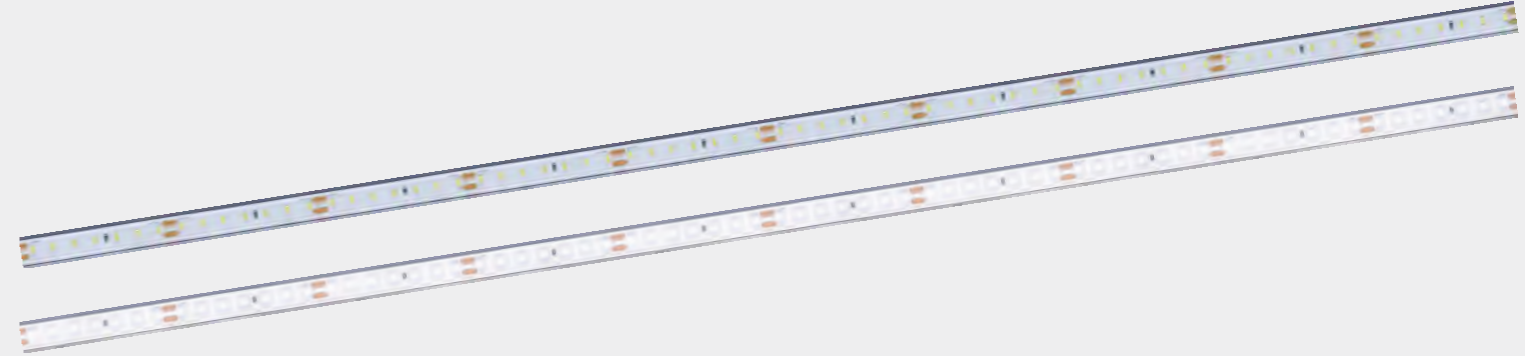
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24140T09-8A29	9.6	4.8	2835	140	50		90	430	2700K	>90/>40	<5	x=0.4592 y=0.4189	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24140T09-8A29	9.6	4.8	2835	140	50		92	440	3000K	>90/>40	<5	x=0.4352 y=0.4108	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24140T09-8A29	9.6	4.8	2835	140	50		96	460	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24140T09-8A29	9.6	4.8	2835	140	50		96	460	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof

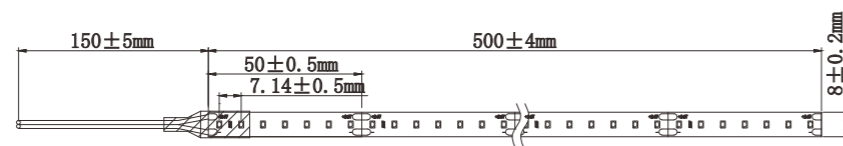


ENERGY
SUPPLIER'S NAME
MODEL IDENTIFIER

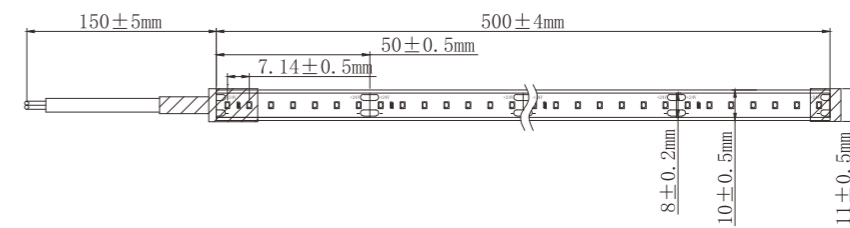
A
B
C
D
E
F
G

WXYZ
kWh/1000h

2019/2015



UL CERTIFIED SAFETY
RoHS Compliant
CE
LM80



ENERGY
SUPPLIER'S NAME
MODEL IDENTIFIER

A
B
C
D
E
F
G

WXYZ
kWh/1000h

2019/2015

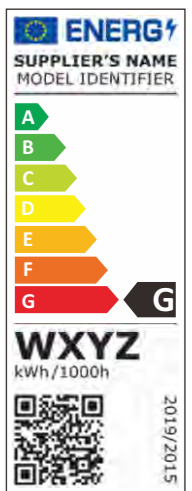
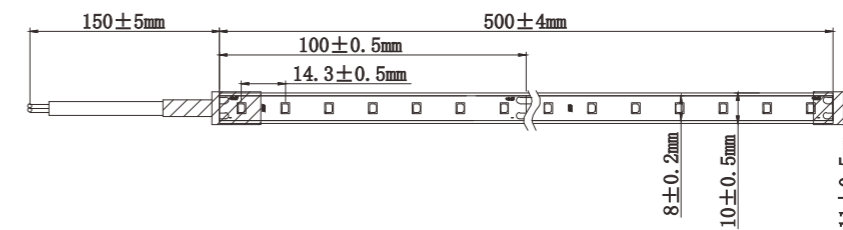
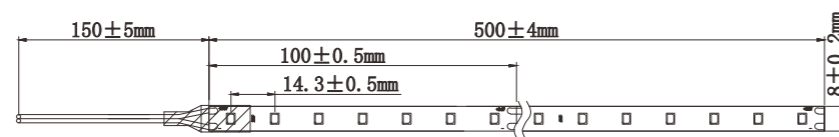
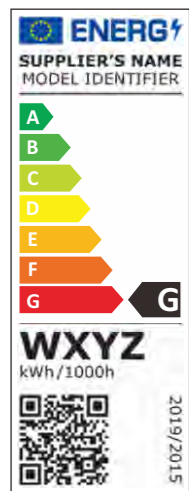
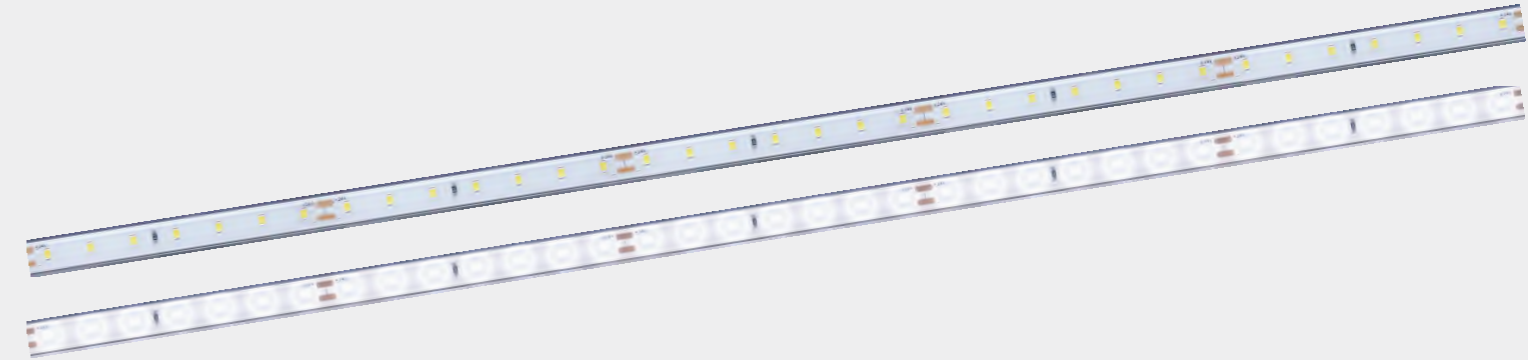
UL CERTIFIED SAFETY
RoHS Compliant
CE
LM80

Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24140T16-8A29	9.6	4.8	2216	140	50	G	83	400	2700K	>90/>40	<5	x=0.4612 y=0.4164	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24140T16-8A29	9.6	4.8	2216	140	50	G	90	430	3000K	>90/>40	<5	x=0.44 y=0.409	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24140T16-8A29	9.6	4.8	2216	140	50	F	94	450	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24140T16-8A29	9.6	4.8	2216	140	50	F	94	450	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof

IP67 Silicon Glue Solid Extrusion waterproof



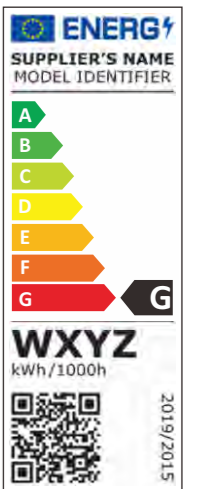
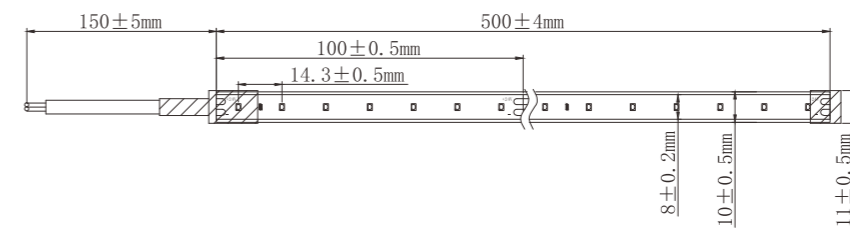
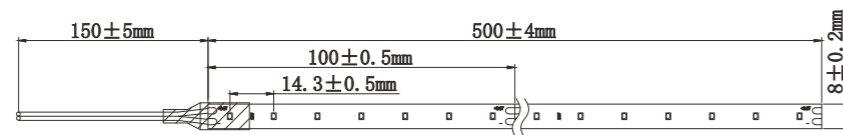
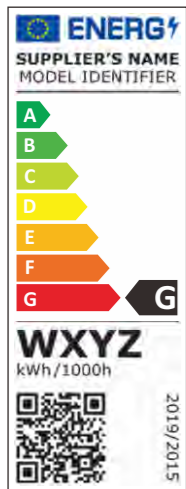
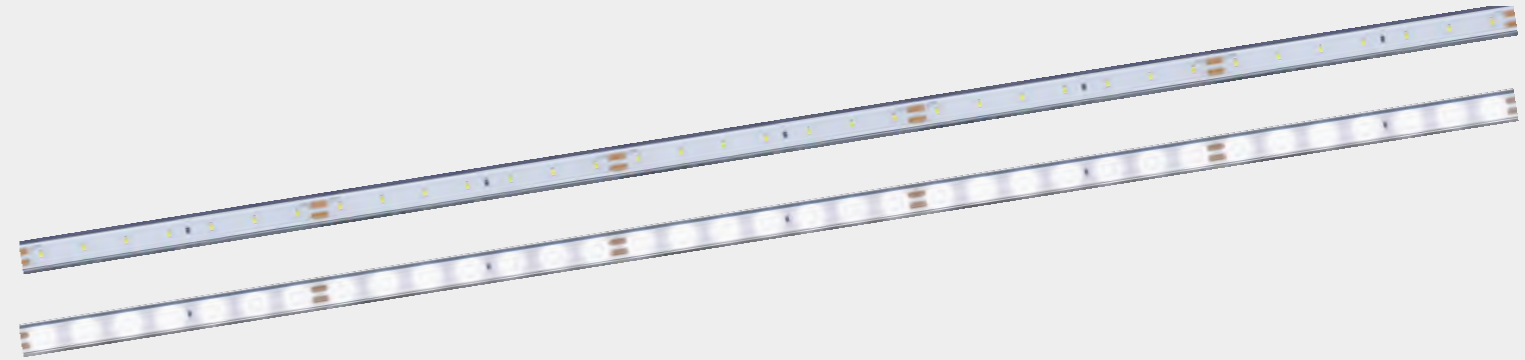
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24070T09-8A49	9.6	4.8	2835	70	100		85	410	2700K	>90/>40	<5	x=0.4592 y=0.4189	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24070T09-8A49	9.6	4.8	2835	70	100		88	420	3000K	>90/>40	<5	x=0.4352 y=0.4108	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24070T09-8A49	9.6	4.8	2835	70	100		90	430	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24070T09-8A49	9.6	4.8	2835	70	100		90	430	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



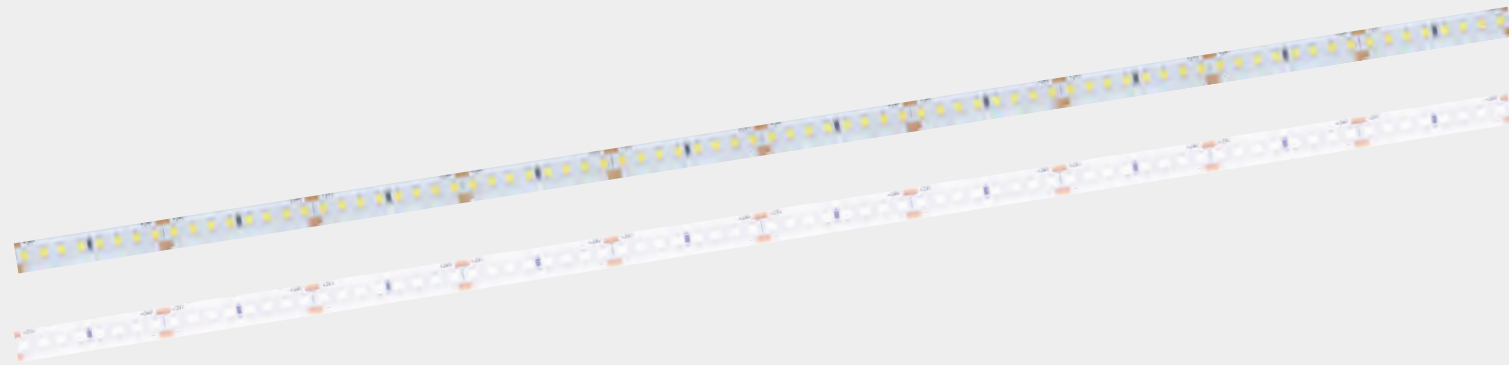
IP67 Silicon Glue Solid Extrusion waterproof



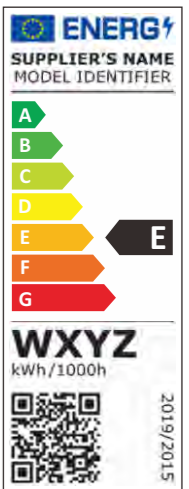
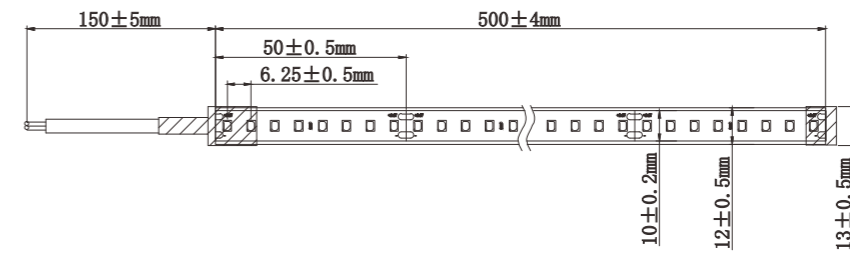
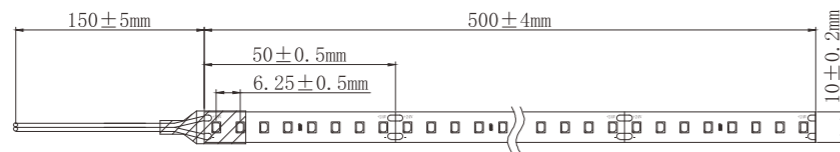
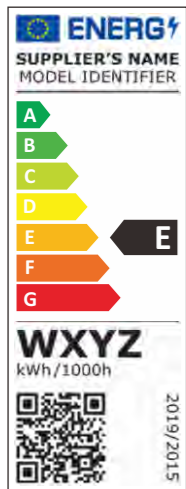
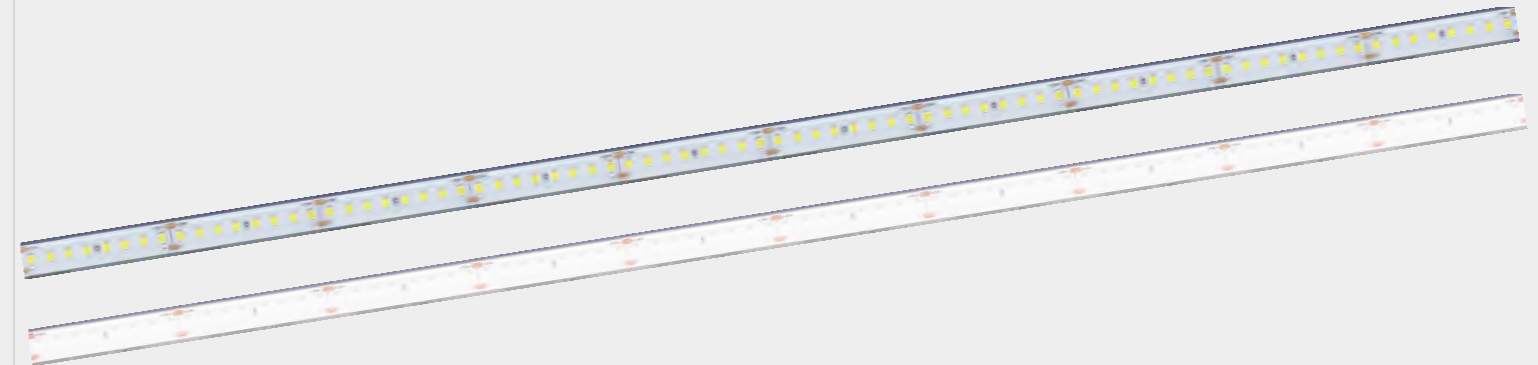
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24070T16-8A49	9.6	4.8	2216	70	100		79	380	2700K	>90/>40	<5	x=0.4612 y=0.4164	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-INDF24070T16-8A49	9.6	4.8	2216	70	100		83	400	3000K	>90/>40	<5	x=0.44 y=0.409	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-DNDF24070T16-8A49	9.6	4.8	2216	70	100		90	430	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96
CLT-WNDF24070T16-8A49	9.6	4.8	2216	70	100		90	430	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	4.8	500*8*3 500*10*3		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof



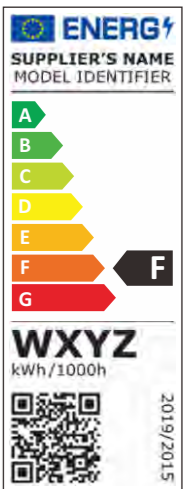
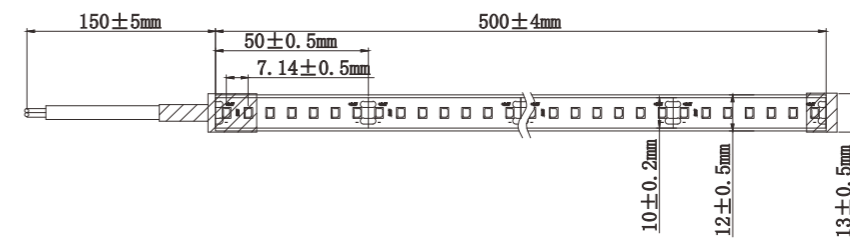
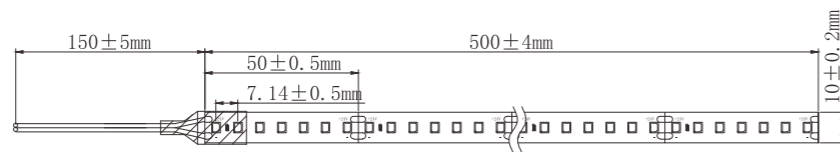
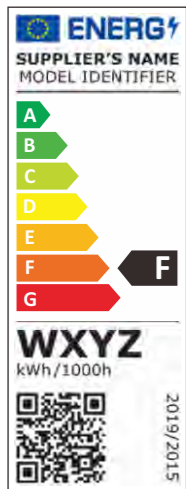
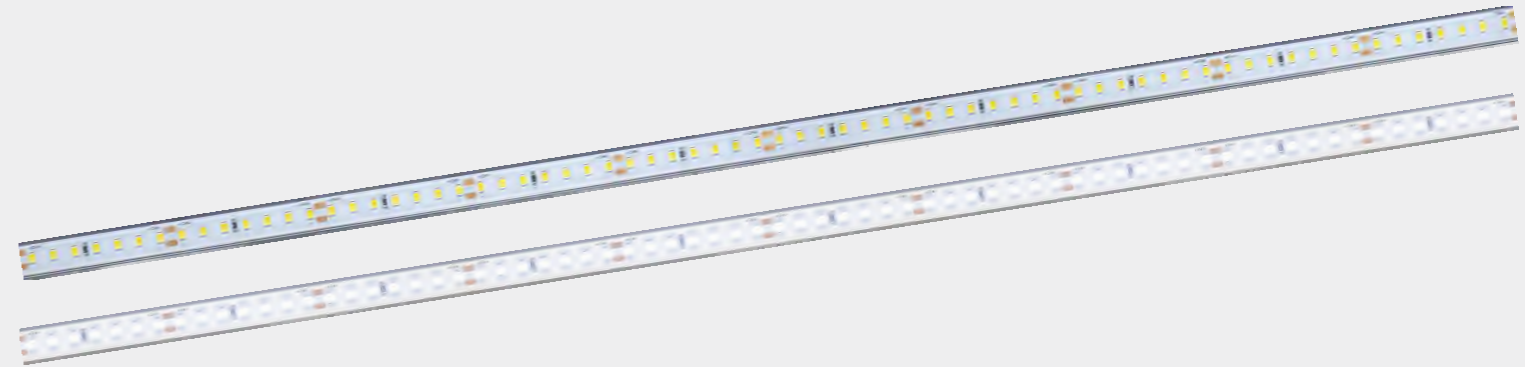
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24160T09-0A38	14.4	7.2	2835	160	50	E	119	855	2700K	>80/>0	<5	x=0.4592 y=0.4189	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-INDF24160T09-0A38	14.4	7.2	2835	160	50	E	121	870	3000K	>80/>0	<5	x=0.4352 y=0.4108	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-DNNF24090T09-0A28	14.4	7.2	2835	160	50	E	124	890	4000K	>80/>0	<5	x=0.3772 y=0.3752	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-WNNF24090T09-0A28	14.4	7.2	2835	160	50	E	124	890	6000K	>80/>0	<5	x=0.3228 y=0.3298	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



IP67 Silicon Glue Solid Extrusion waterproof



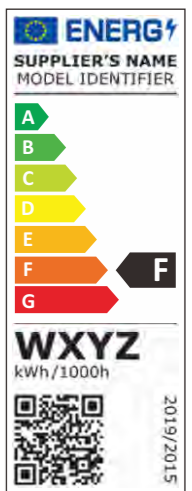
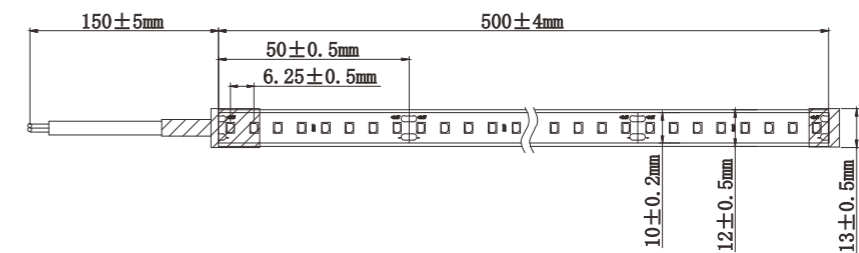
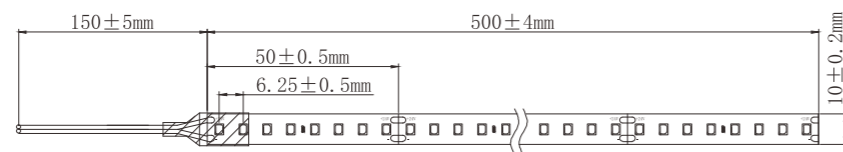
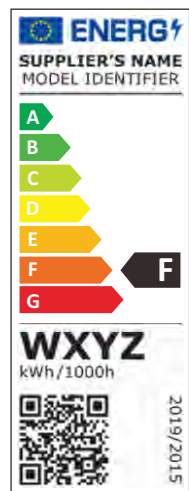
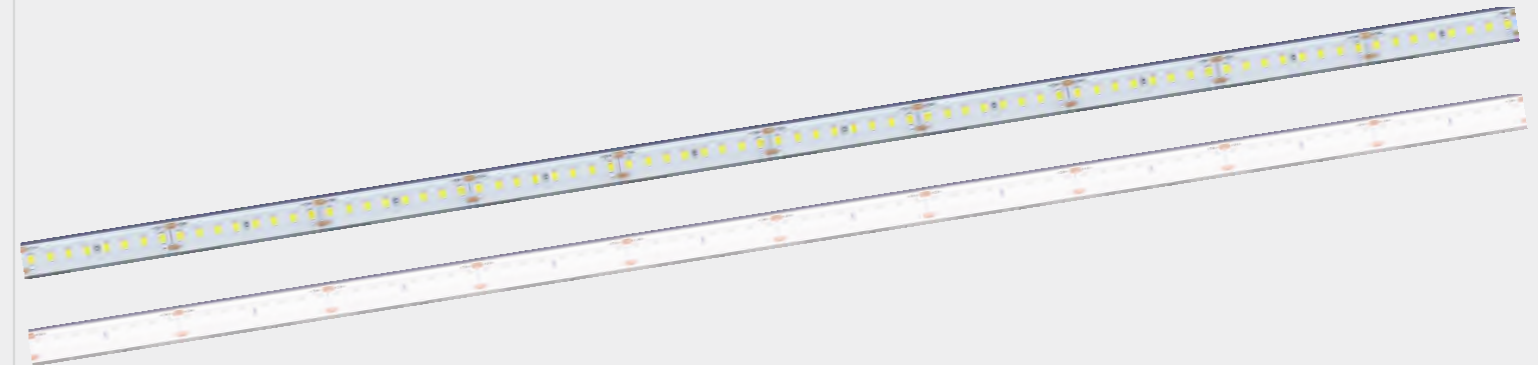
Detail Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24140T09-0A38	14.4	7.2	2835	140	50	F	97	700	2700K	>80/>0	<5	x=0.4592 y=0.4189	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-INDF24140T09-0A38	14.4	7.2	2835	140	50	F	99	710	3000K	>80/>0	<5	x=0.4352 y=0.4108	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-DNDF24140T09-0A38	14.4	7.2	2835	140	50	F	101	730	4000K	>80/>0	<5	x=0.3772 y=0.3752	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-WNDF24140T09-0A38	14.4	7.2	2835	140	50	F	101	730	6000K	>80/>0	<5	x=0.3228 y=0.3298	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96

IP54 Silicon Glue Extrusion waterproof



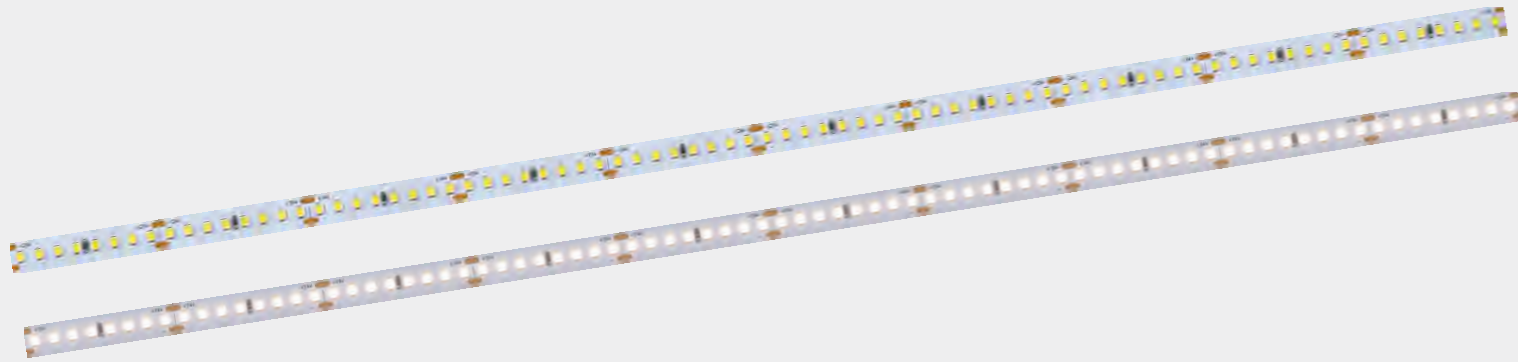
IP67 Silicon Glue Solid Extrusion waterproof



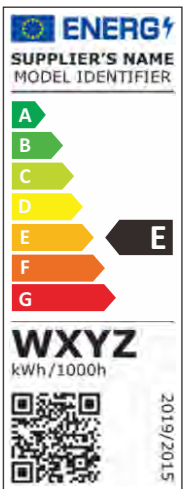
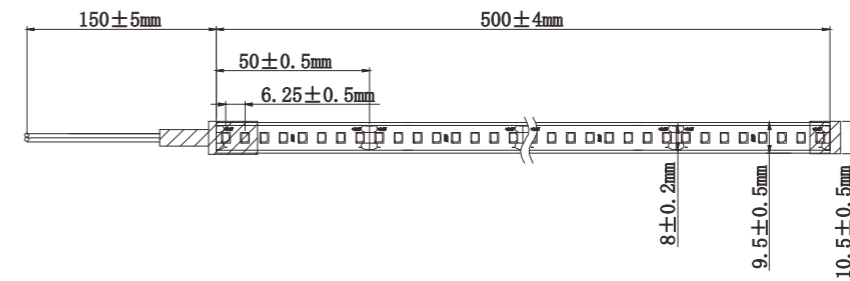
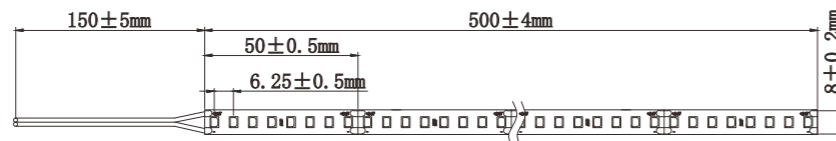
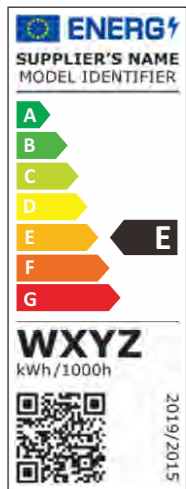
Detail Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNDF24160T09-0A39	14.4	7.2	2835	160	50	F	100	720	2700K	>90/>40	<5	x=0.4592 y=0.4189	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-INDF24160T09-0A39	14.4	7.2	2835	160	50	F	101	730	3000K	>90/>40	<5	x=0.4352 y=0.4108	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-DNDF24160T09-0A39	14.4	7.2	2835	160	50	F	106	760	4000K	>90/>40	<5	x=0.3772 y=0.3752	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96
CLT-WNDF24160T09-0A39	14.4	7.2	2835	160	50	F	106	760	6000K	>90/>40	<5	x=0.3228 y=0.3298	24	54/67	7.2	500*10*3 500*12*3.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



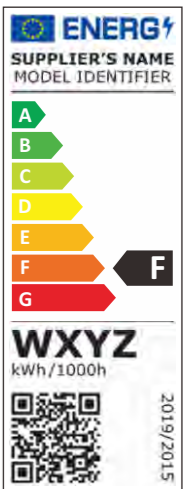
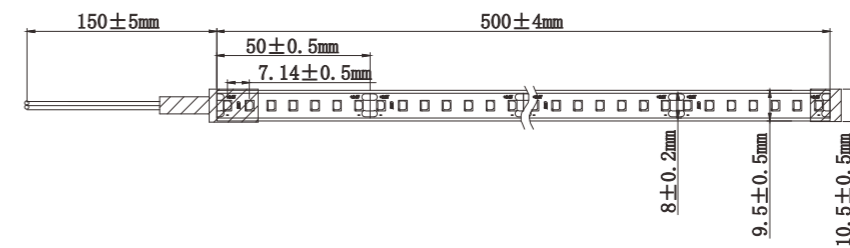
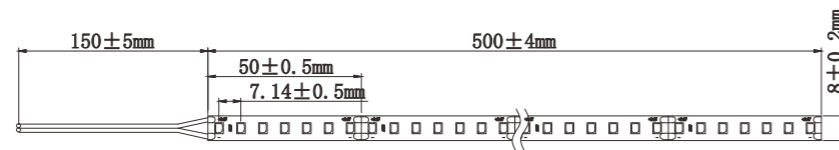
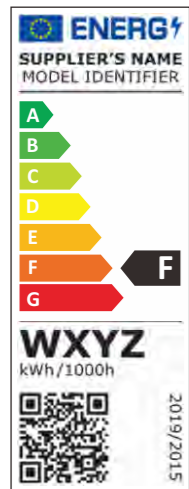
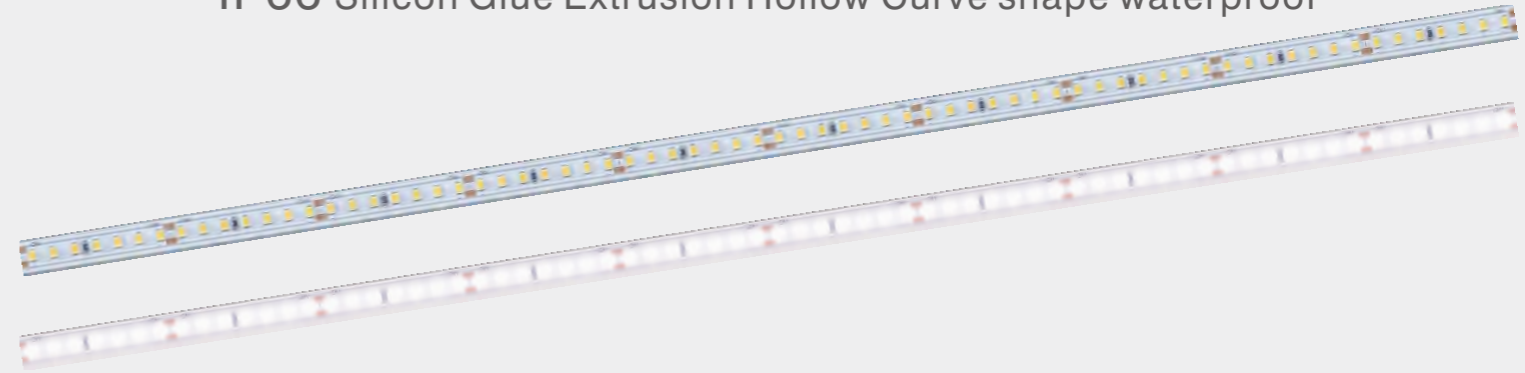
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-8A19	4.8	2.4	 2835 Seoul LED	160	50		121	290	2700K	>90/>40	<5	x=0.4758 y=0.4101	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24160T09-8A19	4.8	2.4		160	50		123	295	3000K	>90/>40	<5	x=0.4338 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24160T09-8A19	4.8	2.4		160	50		129	310	4000K	>90/>40	<5	x=0.3818 y=0.3797	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24160T09-8A19	4.8	2.4		160	50		129	310	6500K	>90/>40	<5	x=0.3123 y=0.3282	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



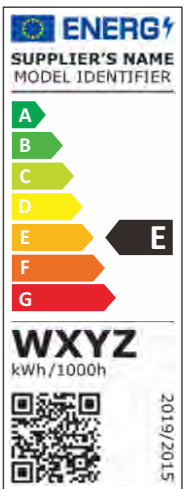
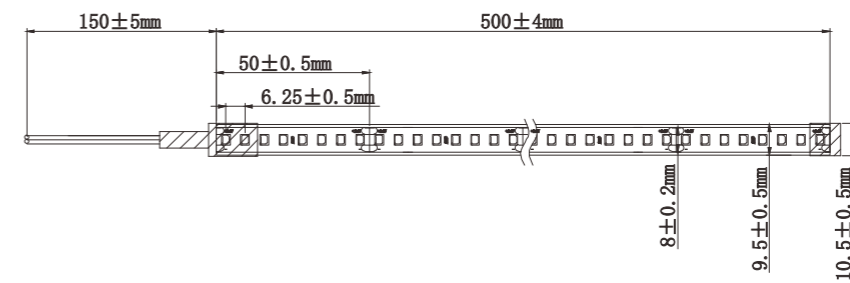
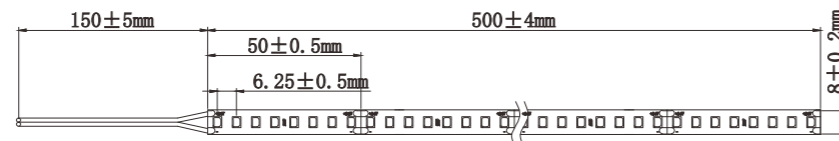
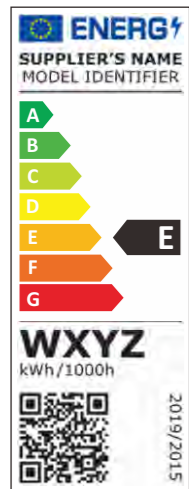
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-8A19	4.8	2.4	 2835 Seoul LED	140	50		110	265	2700K	>90/>40	<5	x=0.4758 y=0.4101	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24140T09-8A19	4.8	2.4		140	50		113	270	3000K	>90/>40	<5	x=0.4338 y=0.403	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24140T09-8A19	4.8	2.4		140	50		119	285	4000K	>90/>40	<5	x=0.3818 y=0.3797	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24140T09-8A19	4.8	2.4		140	50		119	285	6500K	>90/>40	<5	x=0.3123 y=0.3282	24	20/66	2.4	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



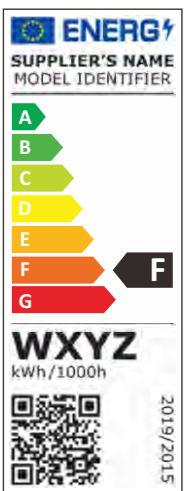
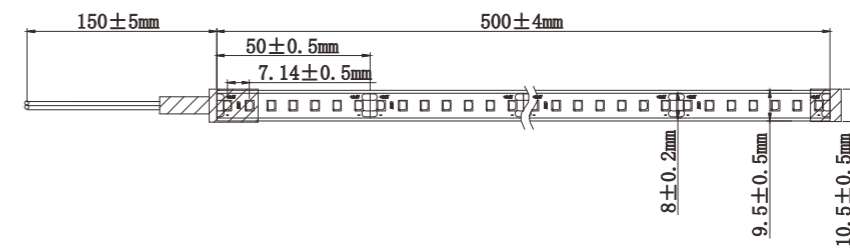
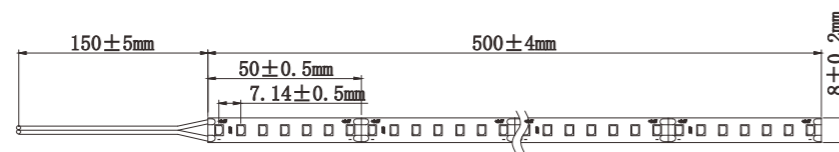
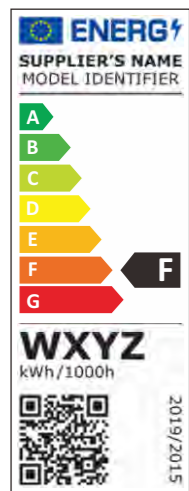
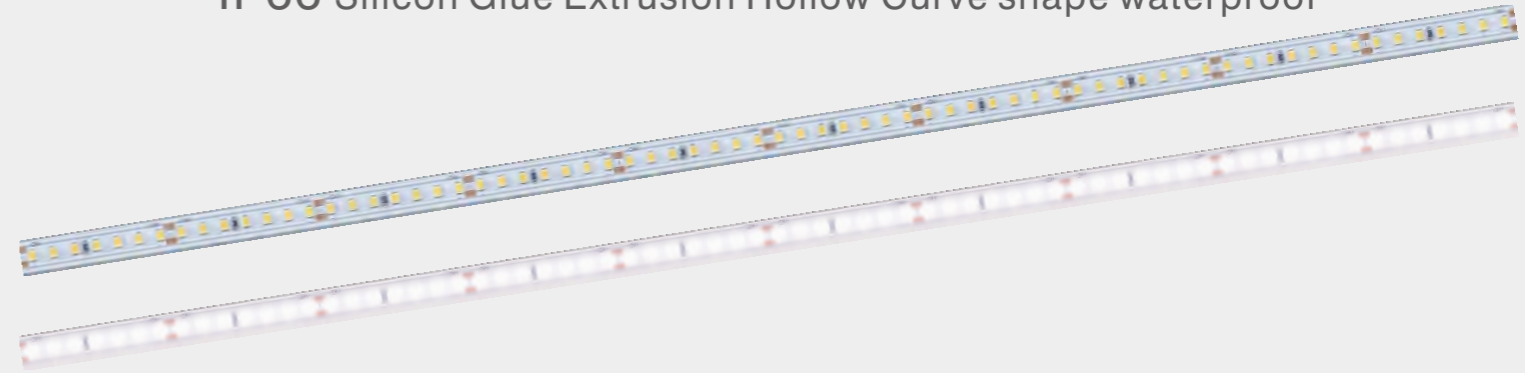
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-8A29	9.6	4.8	 2835 Seoul LED	160	50		121	580	2700K	>90/>40	<5	x=0.4758 y=0.4101	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24160T09-8A29	9.6	4.8		160	50		122	585	3000K	>90/>40	<5	x=0.4338 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24160T09-8A29	9.6	4.8		160	50		129	620	4000K	>90/>40	<5	x=0.3818 y=0.3797	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24160T09-8A29	9.6	4.8		160	50		129	620	6500K	>90/>40	<5	x=0.3123 y=0.3282	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



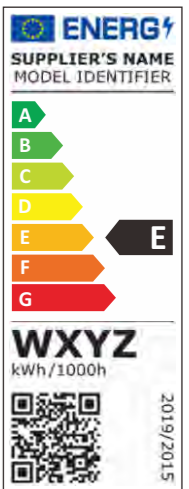
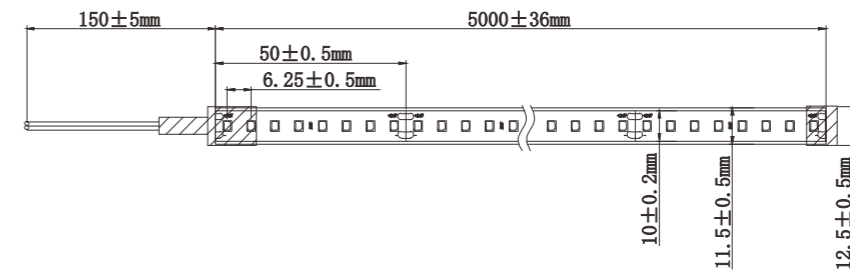
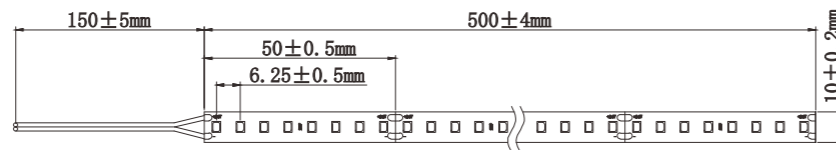
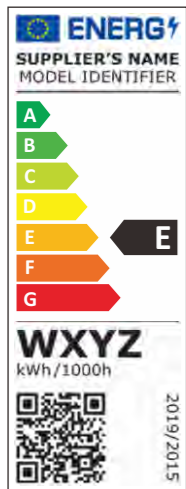
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-8A29	9.6	4.8	2835 Seoul LED	140	50		110	530	2700K	>90/>40	<5	x=0.4758 y=0.4101	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96
CLT-INNF24140T09-8A29	9.6	4.8		111	535	3000K	>90/>40	<5	x=0.4338 y=0.403	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96			
CLT-DNNF24140T09-8A29	9.6	4.8		117	560	4000K	>90/>40	<5	x=0.3818 y=0.3797	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96			
CLT-WNNF24140T09-8A29	9.6	4.8		117	560	6500K	>90/>40	<5	x=0.3123 y=0.3282	24	20/66	4.8	500*8*1.1/ 500*9.5*4.5		0.9	0.96			

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



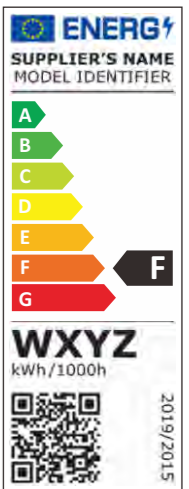
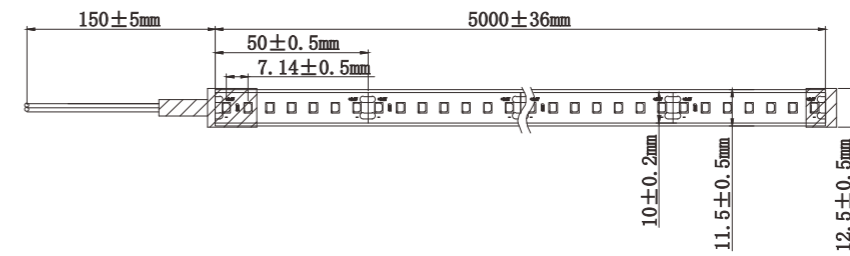
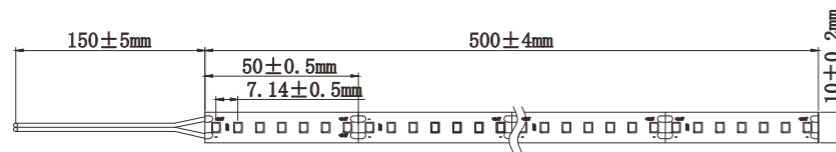
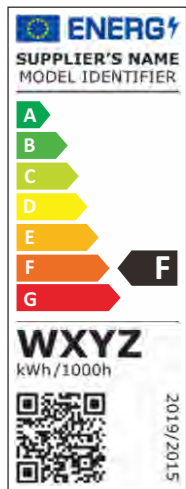
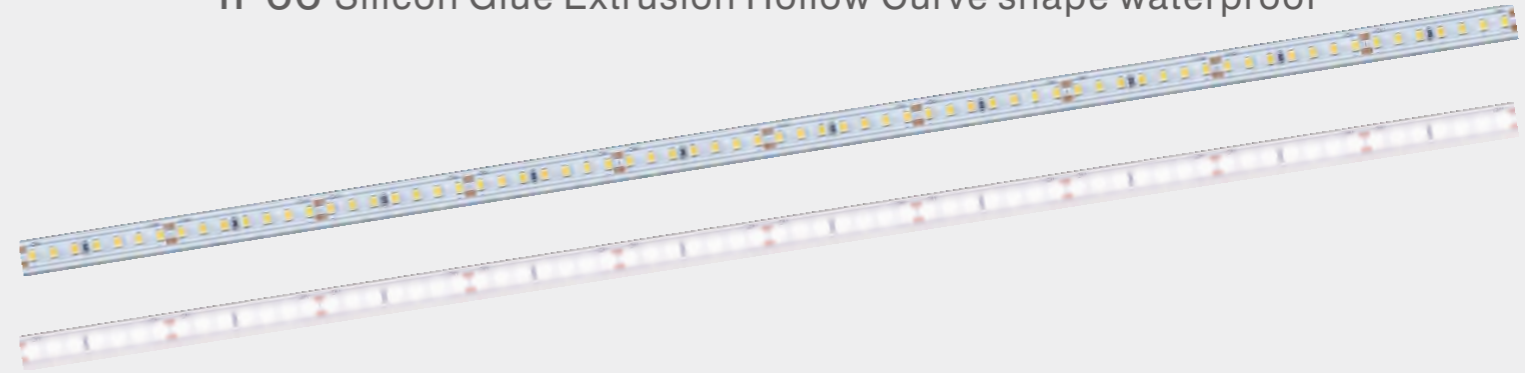
Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24160T09-0A39	14.4	7.2	 2835 Seoul LED	160	50		119	860	2700K	>90/>40	<5	x=0.4758 y=0.4101	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24160T09-0A39	14.4	7.2		160	50		120	865	3000K	>90/>40	<5	x=0.4338 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-DNNF24160T09-0A39	14.4	7.2		160	50		121	870	4000K	>90/>40	<5	x=0.3818 y=0.3797	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-WNNF24160T09-0A39	14.4	7.2		160	50		121	870	6500K	>90/>40	<5	x=0.3123 y=0.3282	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



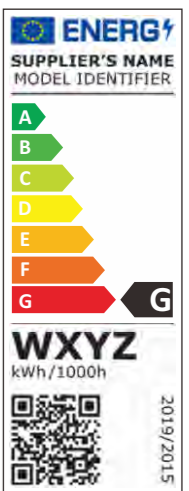
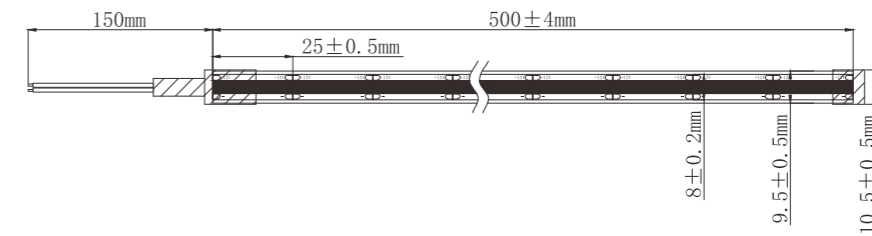
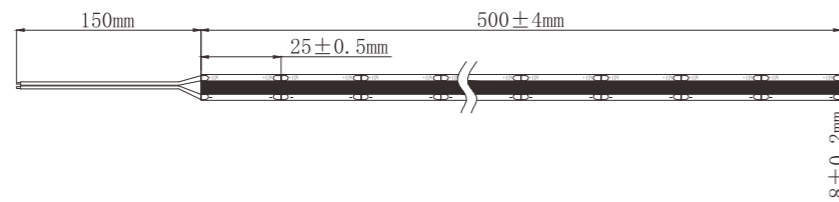
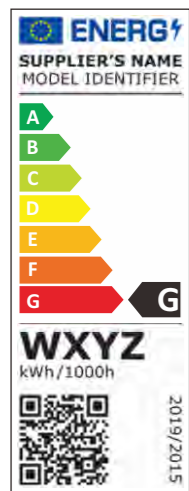
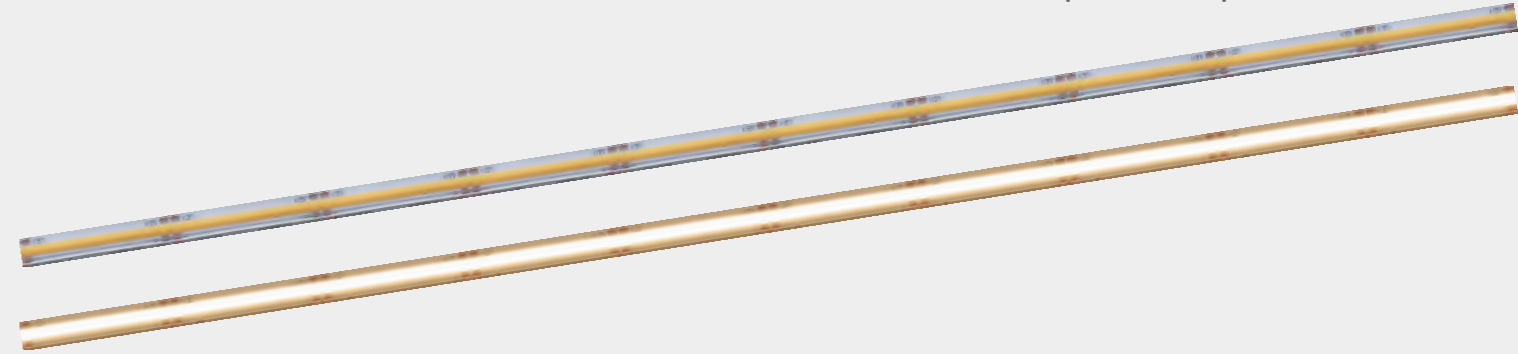
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24140T09-0A39	14.4	7.2	 2835 Seoul LED	140	50		107	770	2700K	>90/>40	<5	x=0.4758 y=0.4101	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96
CLT-INNF24140T09-0A39	14.4	7.2		108	780	3000K	>90/>40	<5	x=0.4338 y=0.403	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96			
CLT-DNNF24140T09-0A39	14.4	7.2		111	800	4000K	>90/>40	<5	x=0.3818 y=0.3797	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96			
CLT-WNNF24140T09-0A39	14.4	7.2		111	800	6500K	>90/>40	<5	x=0.3123 y=0.3282	24	20/66	7.2	500*10*1.1/ 500*11.5*4.5		0.9	0.96			

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



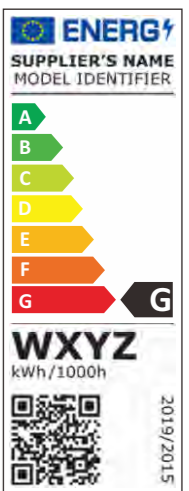
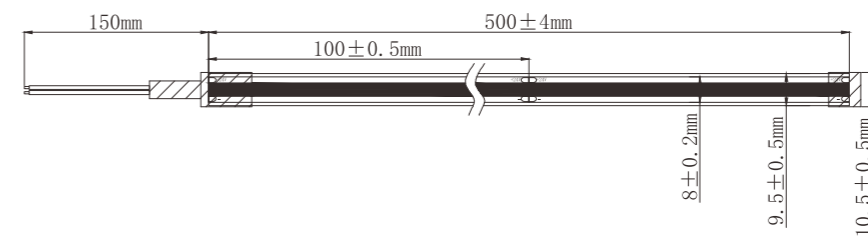
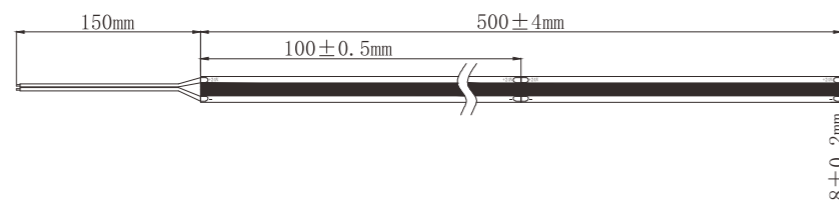
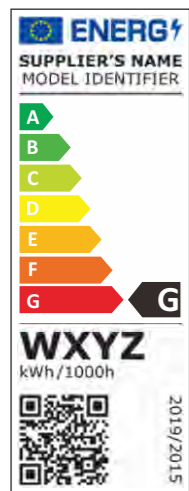
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF12360T00-8A19	6	3	COB	360	25		57	170	2700K	>90/>40	<6	x=0.463 y=0.420	12	20/66	3	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-INNF12360T00-8A19	6	3	COB	360	25		58	175	3000K	>90/>40	<6	x=0.44 y=0.403	12	20/66	3	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-DNNF12360T00-8A19	6	3	COB	360	25		60	180	4000K	>90/>40	<6	x=0.38 y=0.38	12	20/66	3	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-WNNF12360T00-8A19	6	3	COB	360	25		60	180	6500K	>90/>40	<6	x=0.313 y=0.337	12	20/66	3	500*8*2/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



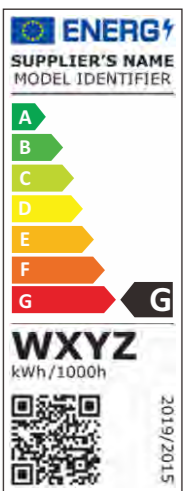
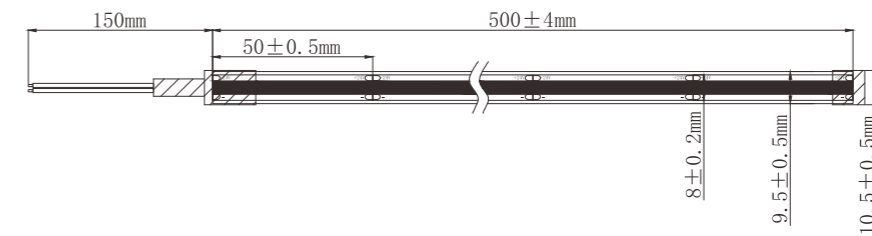
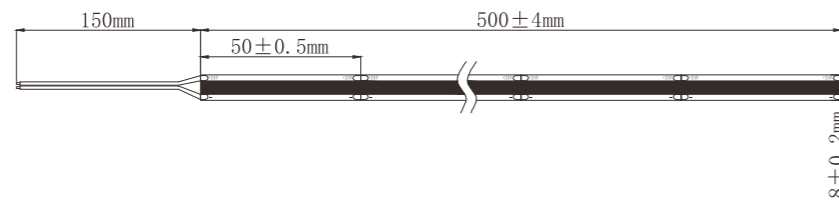
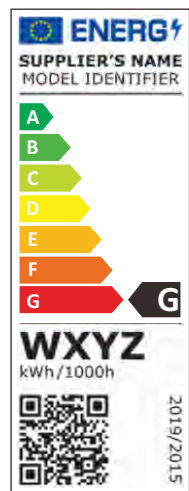
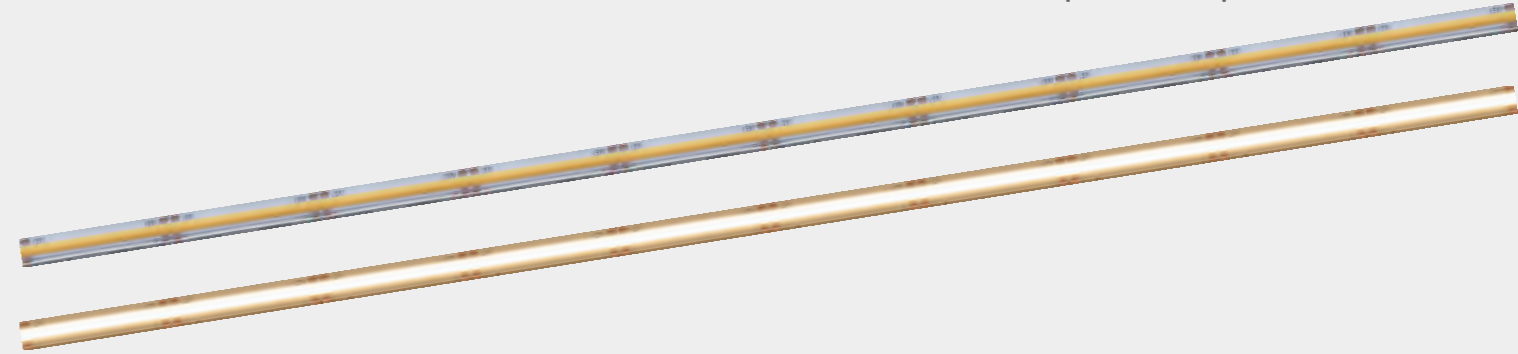
Product parameters

Part No.CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24280T00-8A29	8	4	COB	280	100		70	280	2700K	>90/>40	<6	x=0.463 y=0.420	24	20/66	4	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-INNF24280T00-8A29	8	4	COB	280	100		71	285	3000K	>90/>40	<6	x=0.44 y=0.403	24	20/66	4	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24280T00-8A29	8	4	COB	280	100		75	300	4000K	>90/>40	<6	x=0.38 y=0.38	24	20/66	4	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24280T00-8A29	8	4	COB	280	100		75	300	6500K	>90/>40	<6	x=0.313 y=0.337	24	20/66	4	500*8*2/ 500*9.5*4.5		0.9	0.96

IP20



IP66 Silicon Glue Extrusion Hollow Curve shape waterproof



Product parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	LED Type	LED QTY/M	Cutting size (mm)	Energy efficiency class	LM/W	LM/0.5M	CCT	CRI/R9	Colour consistency in McAdam ellipses	Chromaticity coordinates (x and y)	Voltage	IP	Energy consumption in no-mode (kWh/1000h) 0.5m	Dimensions (L*W*H)mm	Spectral power distribution	Survival factor LED	Lumen maintenance factor
CLT-KNNF24480T00-8A19	10	5	COB	480	50		80	400	2700K	>90/>40	<6	x=0.463 y=0.420	24	20/66	5	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-INNF24480T00-8A19	10	5	COB	480	50		82	410	3000K	>90/>40	<6	x=0.44 y=0.403	24	20/66	5	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-DNNF24480T00-8A19	10	5	COB	480	50		84	420	4000K	>90/>40	<6	x=0.38 y=0.38	24	20/66	5	500*8*2/ 500*9.5*4.5		0.9	0.96
CLT-WNNF24480T00-8A19	10	5	COB	480	50		84	420	6500K	>90/>40	<6	x=0.313 y=0.337	24	20/66	5	500*8*2/ 500*9.5*4.5		0.9	0.96