

COOLIGHT

2022 CATALOGUE

OVER **16**th
OF EXPERIENCE
FOR LED LIGHT

2022 Catalogue New Products

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COOLIGHT



CSP Led Strip



COB Led Strip



2835 High Efficiency
Led Strip



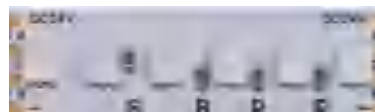
2835 Full Spectrum
Led Strip



2216 Led Strip



Ultra-narrow LED strip



2835RGB Led Strip



5050RGB Led Strip



Waterproof Led Strip



Neon Led Strip

The Light Of Love,Let You Enjoy Beautiful Life!



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 16 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.

A handwritten signature in black ink on a white rectangular background. The signature reads "Wang Long" in a cursive, flowing style.

About COOLIGHT

COOLIGHT, lighting your life

With over 16 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.

In order to meet the customized needs of customers and ensure the smooth delivery of orders. While committed to leading the LED strips industry, Coolight continues to consolidate comprehensive capabilities

In 2019, Coolight introduced cutting-edge personnel in the industry and high-end equipment at home and abroad such as KS and Hoson, and formally established the LED.

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.

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 .

We have a strong Research and Development team, Our Research and Development team 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 16 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 VISION

The Light Of Love Let You Enjoy Beautiful Life!



COOLIGHT ENTHUSIASM

LEADING: we are a great enterprise leading the whole industry and the world!

INNOVATION: we are an innovative enterprise and a great enterprise of product innovation, management innovation and corporate culture innovation!

GROWTH: we are an enterprise that likes learning, thinking, continuous breakthrough, continuous improvement and continuous growth!

SELF CONFIDENCE: we are an enterprise with extraordinary self-confidence. We are confident and unswerving to create a better life with you!

SHARING: we are an enterprise that is willing to share our enthusiasm and vision. By sharing the gains in the process of growth, we can influence more people and tell them that we can work and live like!

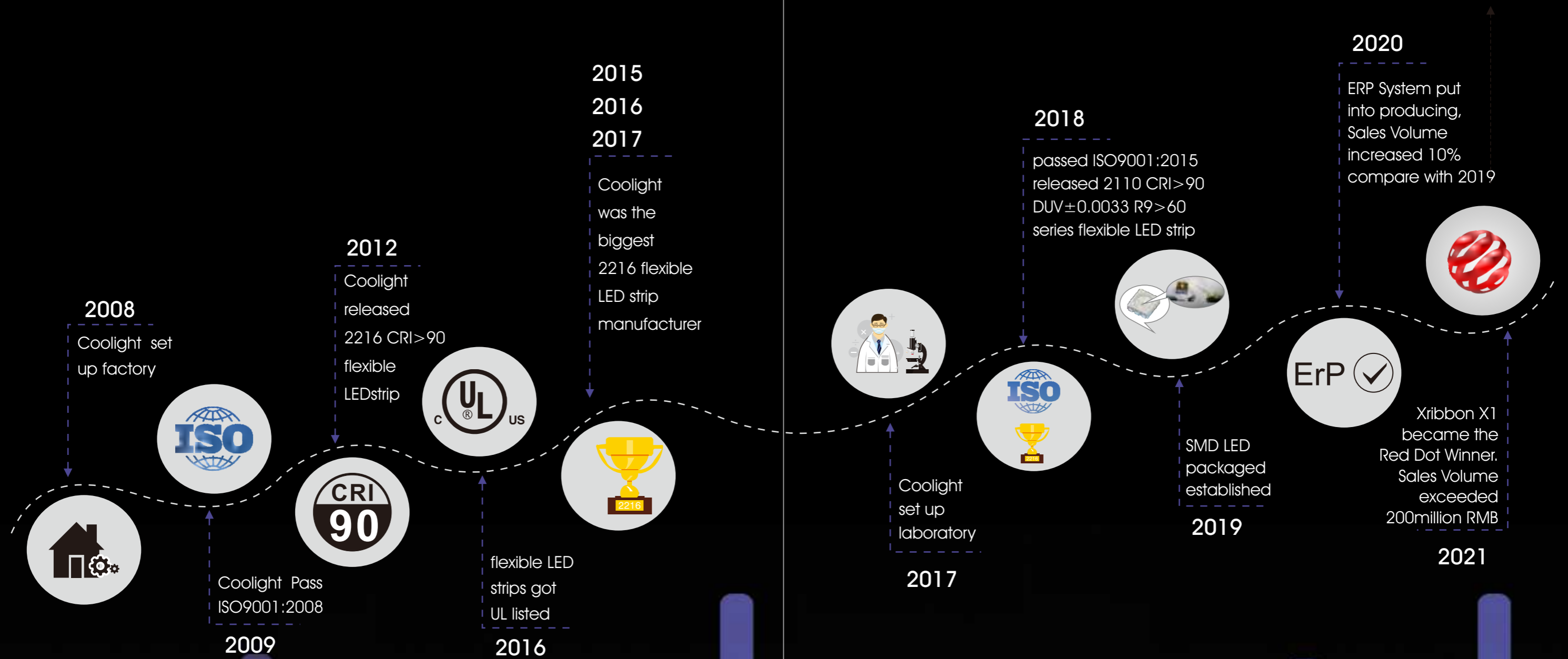
FREEDOM: we want everyone in our company to make themselves blooming and let our body and mind gain freedom!

COOLIGHT VALUE

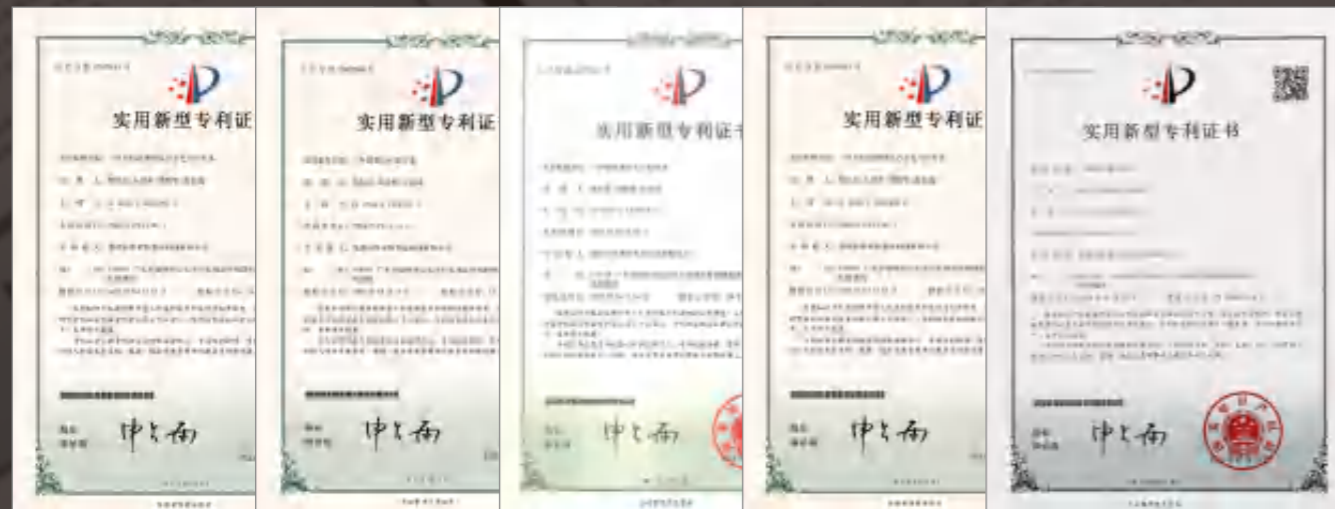
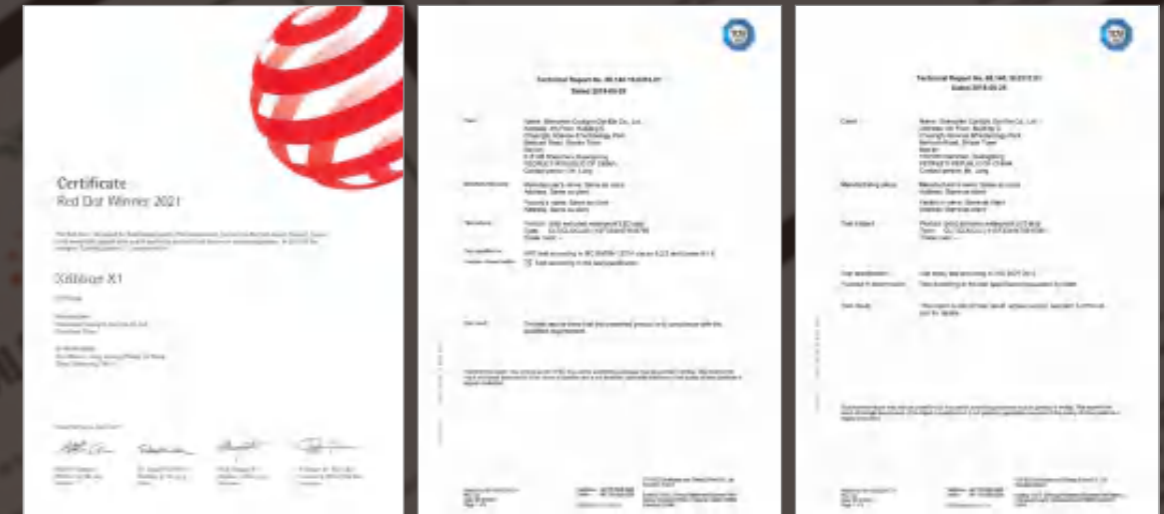
- Trust
- Growth
- Responsibility
- Make constant value for customers



DEVELOPMENT HISTORY



CERTIFICATE & PATENT





PRODUCT CONTENTS

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Neon LED Strip ▶	P119-126



CSP LED STRIP



- 8W CRI90 160LED/m IP20 Series F ◀
- 10W CRI90 320LED/m IP20 Series F ◀
- 14.4W CRI90 480LED/m IP20 Series G/F ◀
- 8W CRI90 CCT Tunable 512LED/m IP20 Series F ◀
- 10W CRI90 320LED/m IP54 Series F ◀
- 14.4W CRI90 480LED/m IP54 Series G/F ◀
- 10W CRI90 320LED/m IP68 Series F ◀
- 14.4W CRI90 480LED/m IP68 Series G/F ◀





8W CRI90 160LED/m IP20 Series F Super Long

10W CRI90 320LED/m IP20 Series F Super Long

		2700K Ra90	TYP 150°		
160 LED CHIP	3000K Ra90	Power 8W			
PCB Width 8mm	4000K Ra90	DC 24V			
Standard Length 5m	6500K Ra90				

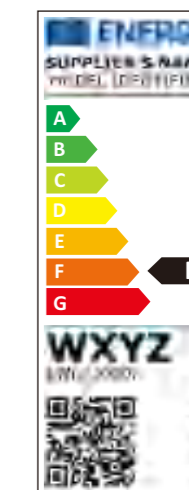
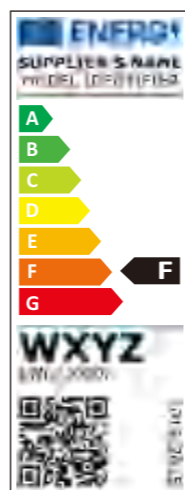
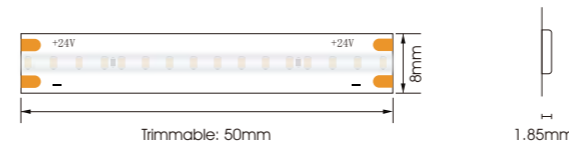
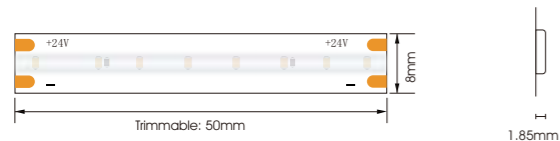
		2700K Ra90	TYP 150°		
320 LED CHIP	3000K Ra90	Power 10W			
PCB Width 8mm	4000K Ra90	DC 24V			
Standard Length 5m	6500K Ra90				

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

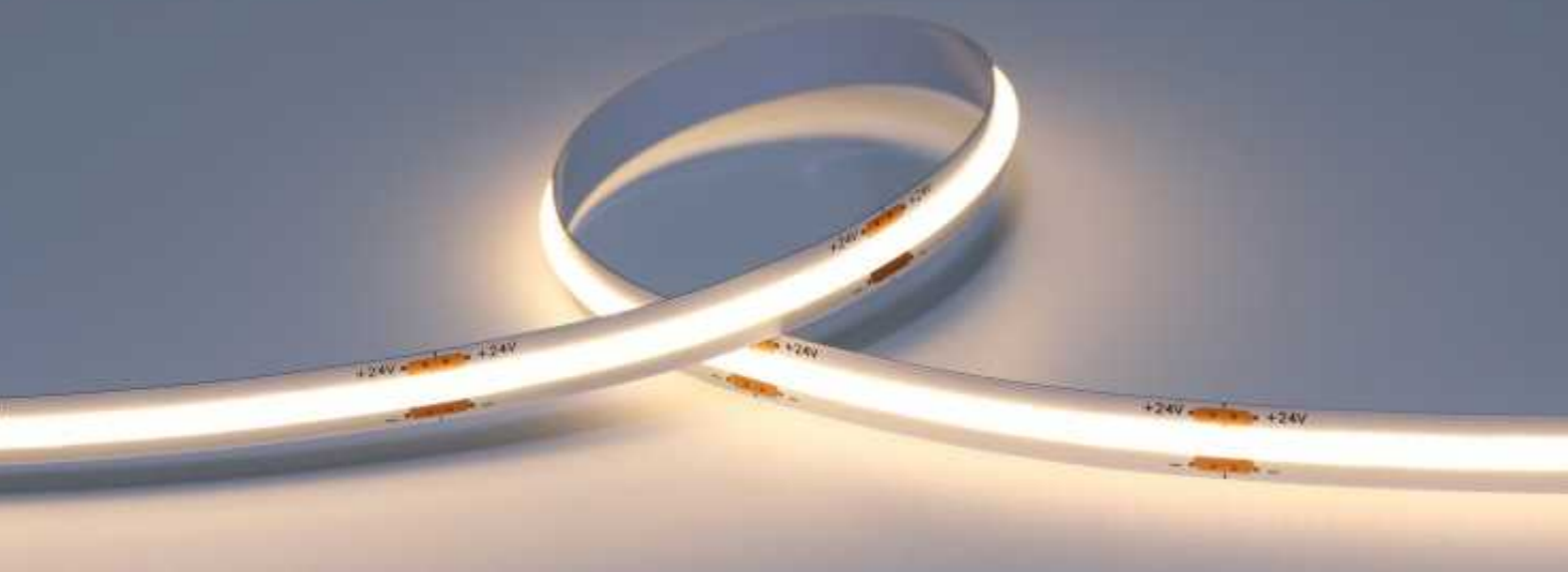


Product Parameters

CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24160T00-8A19	8	4	2700	94	375	>90/>40	F	Δ3
	CLT-INNF24160T00-8A19	8	4	3000	95	380	>90/>40	F	Δ3
	CLT-DNNF24160T00-8A19	8	4	4000	96	385	>90/>40	F	Δ3
	CLT-WNNF24160T00-8A19	8	4	6500	95	380	>90/>40	F	Δ3

Product Parameters

CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24320T00-8A19	10	5	2700	97	485	>90/>40	F	Δ3
	CLT-INNF24320T00-8A19	10	5	3000	100	505	>90/>40	F	Δ3
	CLT-DNNF24320T00-8A19	10	5	4000	103	518	>90/>40	F	Δ3
	CLT-WNNF24320T00-8A19	10	5	6500	103	515	>90/>40	F	Δ3

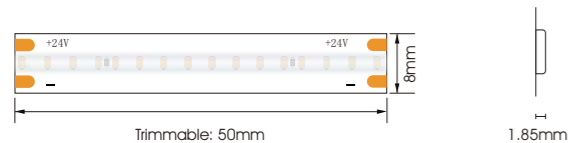
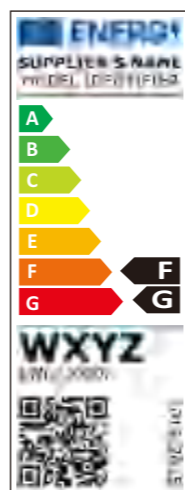


14.4W CRI90 480LED/m IP20 Series G/F Super Long

- IP20**
- CSPLED**
- 2700K Ra90**
- TYP 150°**
- Dimmable**
- 50mm Trimmable**
- 480 LED CHIP**
- 3000K Ra90**
- Power 14.4W**
- PCB Width 8mm**
- 4000K Ra90**
- DC 24V**
- Standard Length 5m**
- 6500K Ra90**

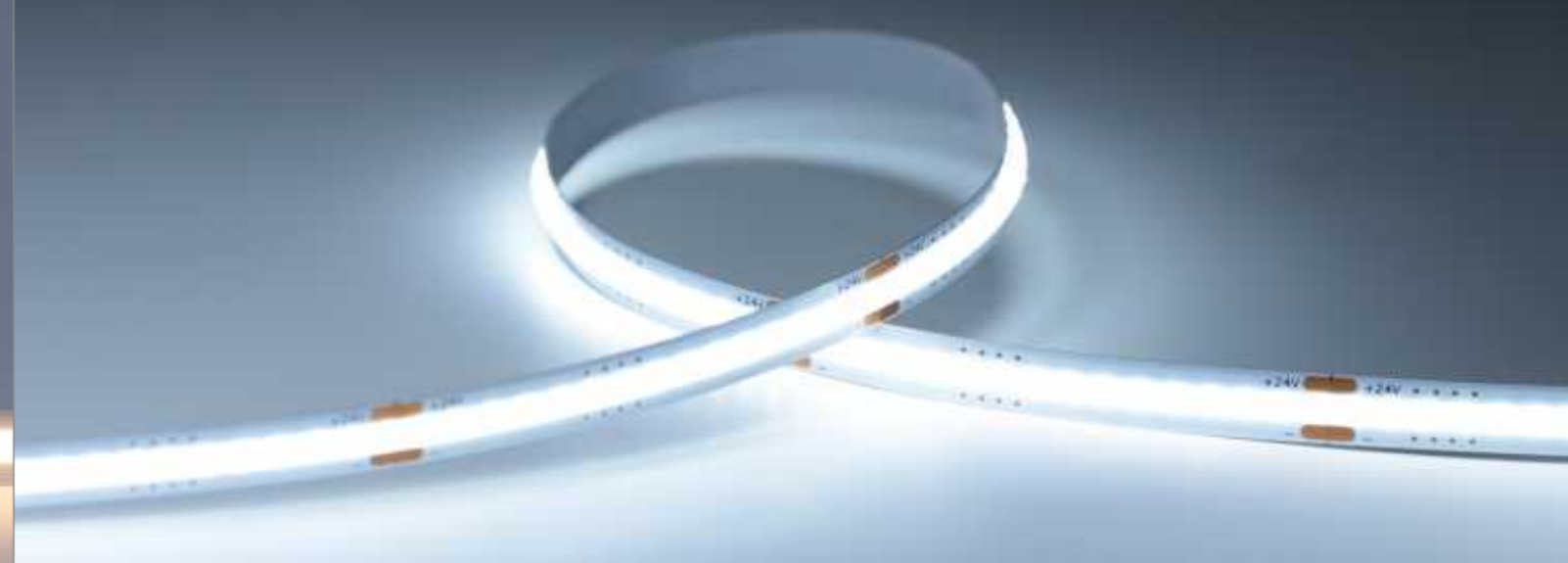
Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24480T00-8A19	14.4	7.2	2700	90	650	>90/>40	G	≤3
	CLT-INNF24480T00-8A19	14.4	7.2	3000	92	665	>90/>40	F	≤3
	CLT-DNNF24480T00-8A19	14.4	7.2	4000	94	680	>90/>40	F	≤3
	CLT-WNNF24480T00-8A19	14.4	7.2	6500	93	670	>90/>40	F	≤3

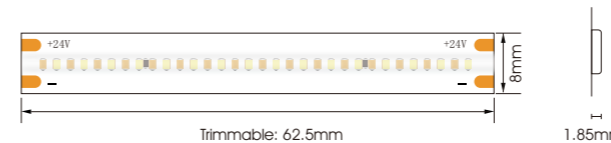
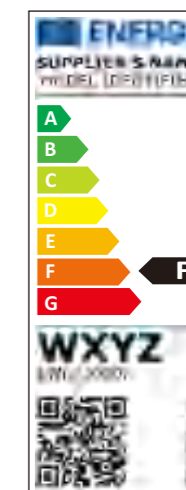


8W CRI90 CCT Tunable 512LED/m IP20 Series F Super Long

- IP20**
- CSP LED**
- 2700K Ra90**
- TYP 150°**
- Dimmable**
- 62.5mm Trimmable**
- 512 LED CHIP**
- 6500K Ra90**
- Power 8W**
- PCB Width 8mm**
- DC 24V**
- Standard Length 5m**

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-WKNNF24512T00-8A19	8	4	2700	97	780	>90/>40	F	≤3
		8	4	6500	100	805	>90/>40	F	≤3

Waterproof IP 54





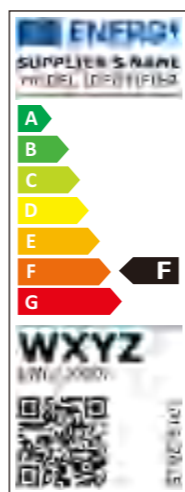
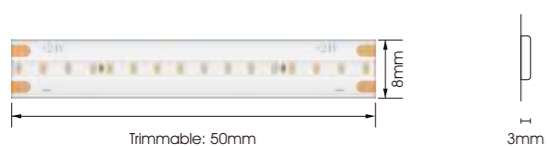
10W CRI90 320LED/m IP54 Series F Super Long

14.4W CRI90 480LED/m IP54 Series G/F Super Long

		2700K Ra90	TYP 150°		
320 LED CHIP	3000K Ra90	Power 10W			
PCB Width 8mm	4000K Ra90	DC 24V			
Standard Length 5m	6500K Ra90				

Standards / Normative Requirements

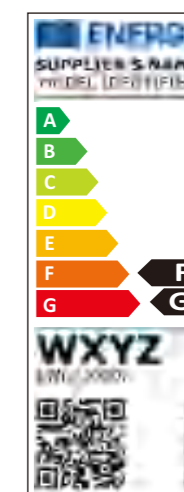
- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



		2700K Ra90	TYP 150°		
480 LED CHIP	3000K Ra90	Power 14.4W			
PCB Width 8mm	4000K Ra90	DC 24V			
Standard Length 5m	6500K Ra90				

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

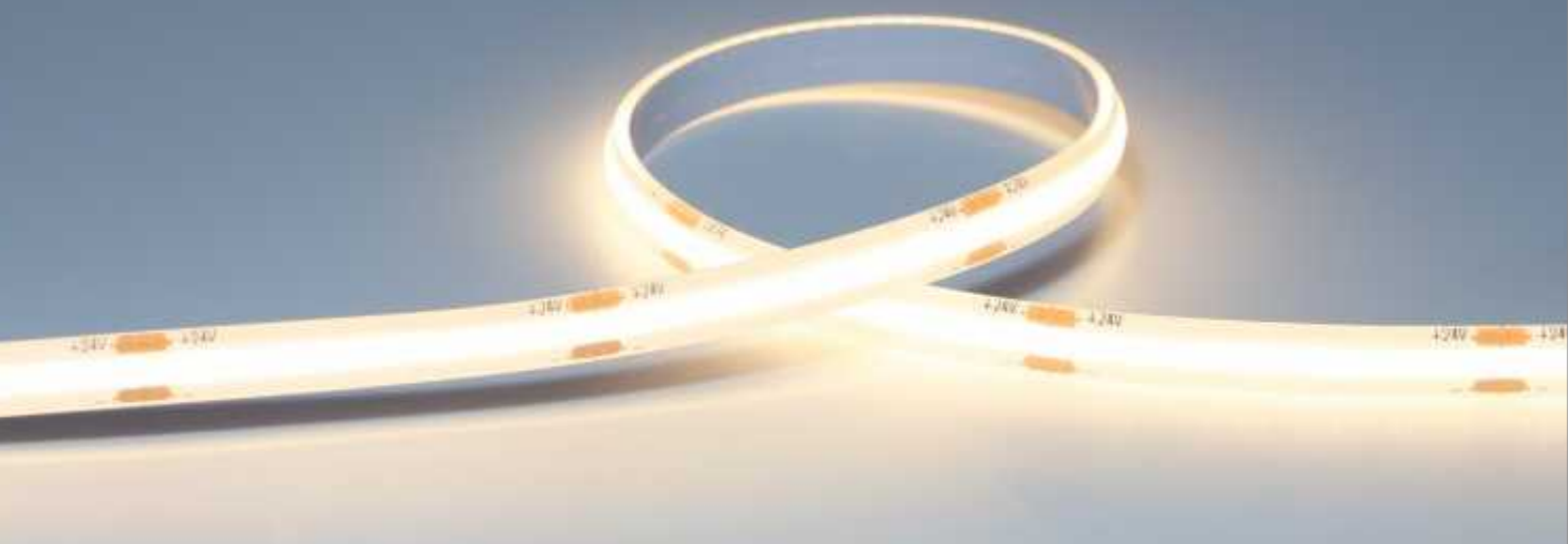
CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNDF24320T00-8A19	10	5	2700	96	480	>90/>40	F	≤3
	CLT-INDF24320T00-8A19	10	5	3000	98	490	>90/>40	F	≤3
	CLT-DNDF24320T00-8A19	10	5	4000	95	475	>90/>40	F	≤3
	CLT-WNDF24320T00-8A19	10	5	6500	99	495	>90/>40	F	≤3

Product Parameters

CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNDF24480T00-8A19	14.4	7.2	2700	90	645	>90/>40	G	≤3
	CLT-INDF24480T00-8A19	14.4	7.2	3000	91	655	>90/>40	G	≤3
	CLT-DNDF24480T00-8A19	14.4	7.2	4000	94	675	>90/>40	F	≤3
	CLT-WNDF24480T00-8A19	14.4	7.2	6500	92	665	>90/>40	F	≤3

Waterproof IP 68





10W CRI90 320LED/m IP68 Series F Super Long

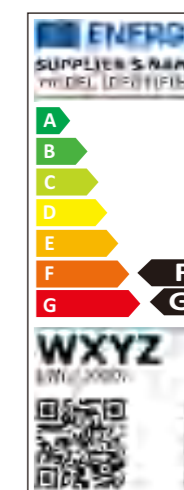
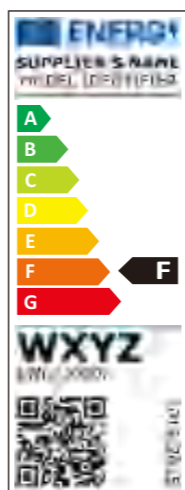
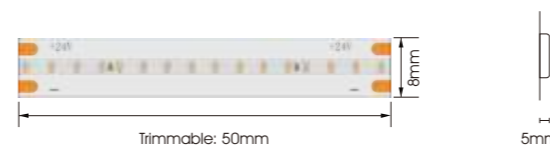
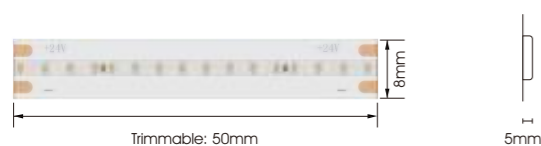
14.4W CRI90 480LED/m IP68 Series G/F Super Long

		2700K Ra90	TYP 150°		
320 LED CHIP	3000K Ra90	Power 10W			
PCB Width 8mm	4000K Ra90	DC 24V			
Standard Length 5m	6500K Ra90				

		2700K Ra90	TYP 150°		
480 LED CHIP	3000K Ra90	Power 14.4W			
PCB Width 8mm	4000K Ra90	DC 24V			
Standard Length 5m	6500K Ra90				

- Standards / Normative Requirements**
- Protection class : EN 60529
 - Safety Requirements : EN 62031 IEC 60598-1
 - EMC / radio disturbance characteristics : EN 55015
 - ROHS : Yes
 - CE : Yes

- Standards / Normative Requirements**
- Protection class : EN 60529
 - Safety Requirements : EN 62031 IEC 60598-1
 - EMC / radio disturbance characteristics : EN 55015
 - ROHS : Yes
 - CE : Yes



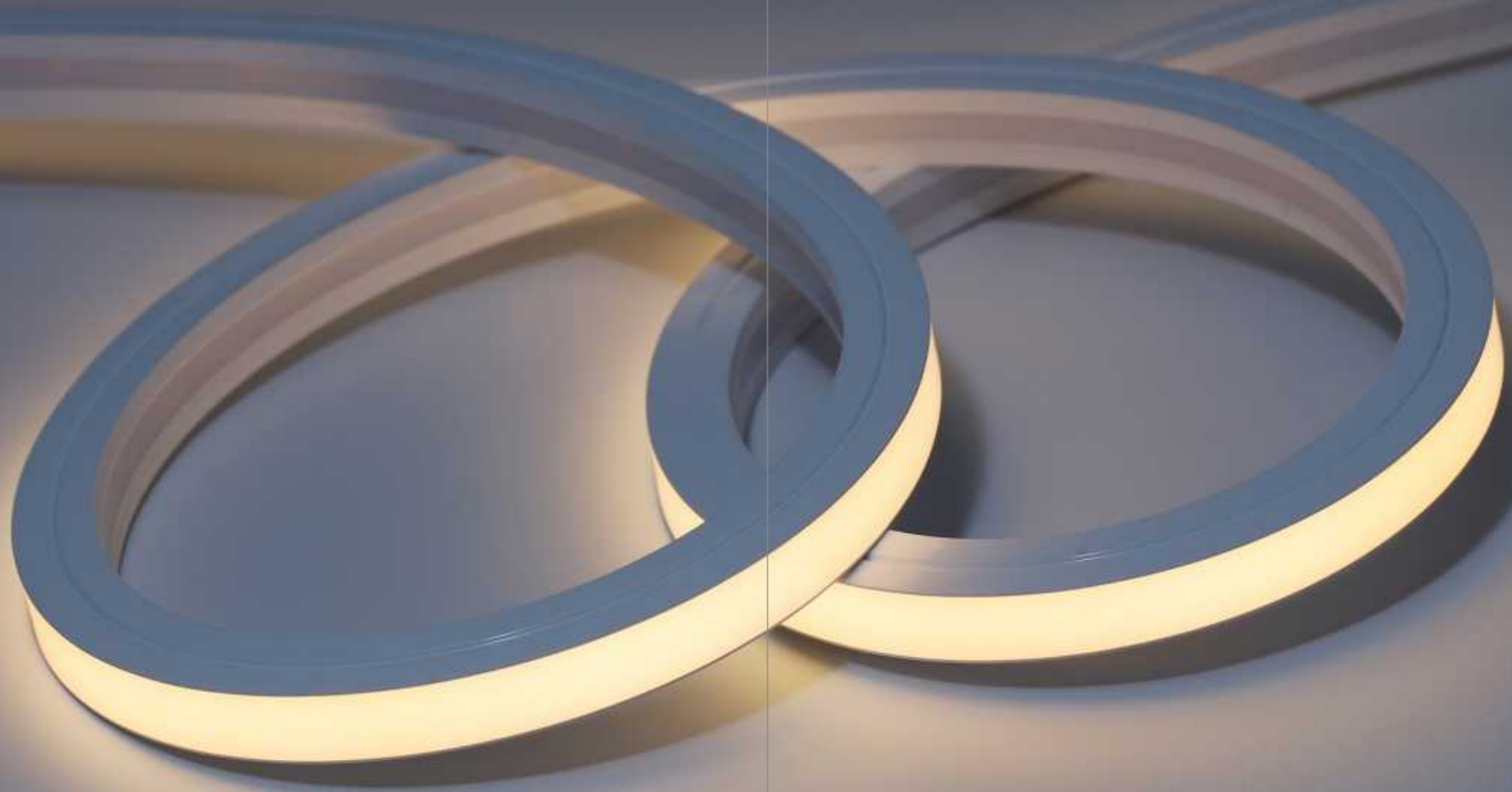
Product Parameters

CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNSF24320T00-8A19	10	5	2700	96	480	>90/>40	F	≤3
	CLT-INSF24320T00-8A19	10	5	3000	98	490	>90/>40	F	≤3
	CLT-DNSF24320T00-8A19	10	5	4000	95	475	>90/>40	F	≤3
	CLT-WNSF24320T00-8A19	10	5	6500	99	495	>90/>40	F	≤3

Product Parameters

CSP	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNSF24480T00-8A19	14.4	7.2	2700	90	645	>90/>40	G	≤3
	CLT-INSF24480T00-8A19	14.4	7.2	3000	91	655	>90/>40	G	≤3
	CLT-DNSF24480T00-8A19	14.4	7.2	4000	94	675	>90/>40	F	≤3
	CLT-WNSF24480T00-8A19	14.4	7.2	6500	92	665	>90/>40	F	≤3

NEON LED STRIP IP67

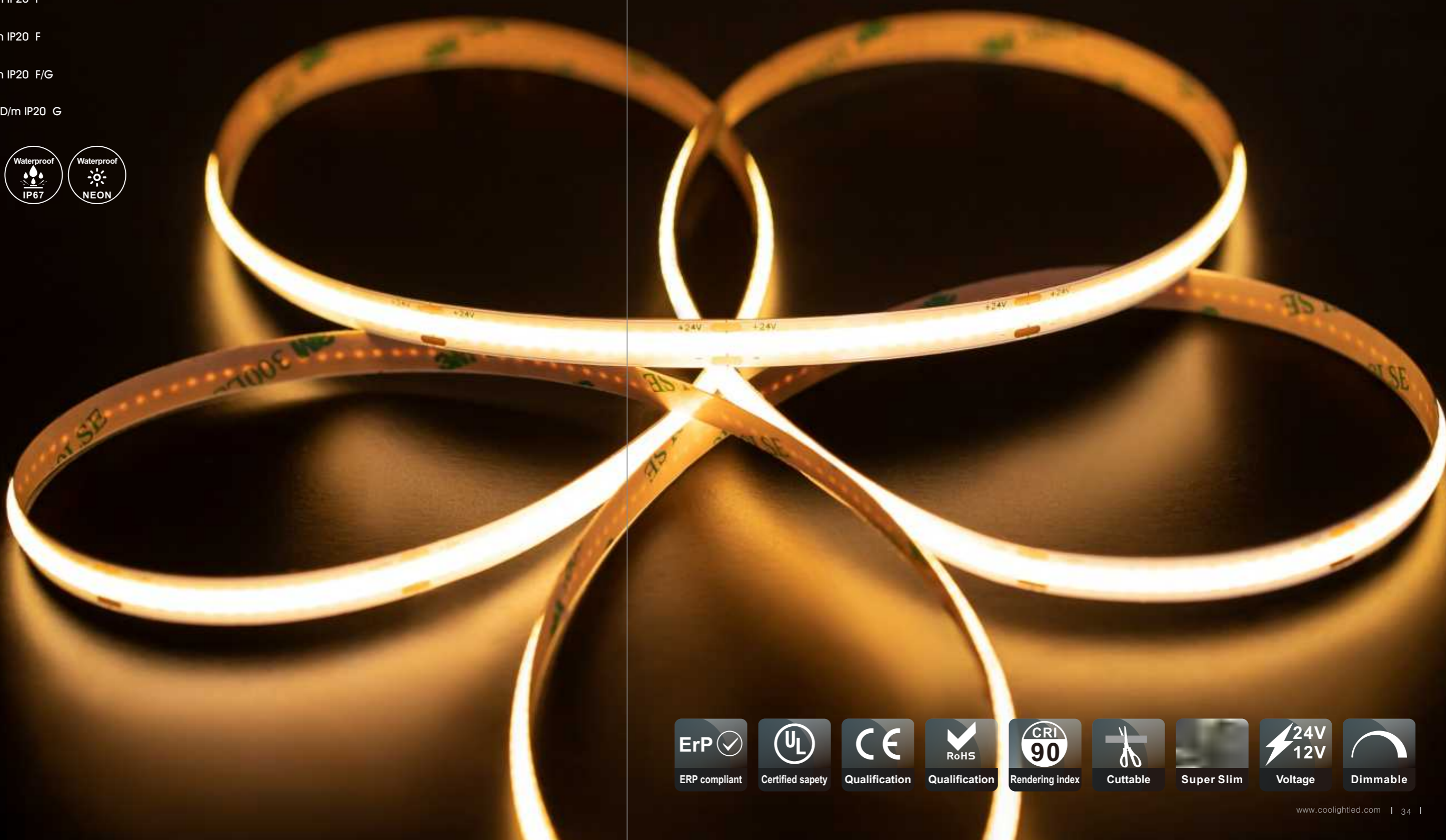


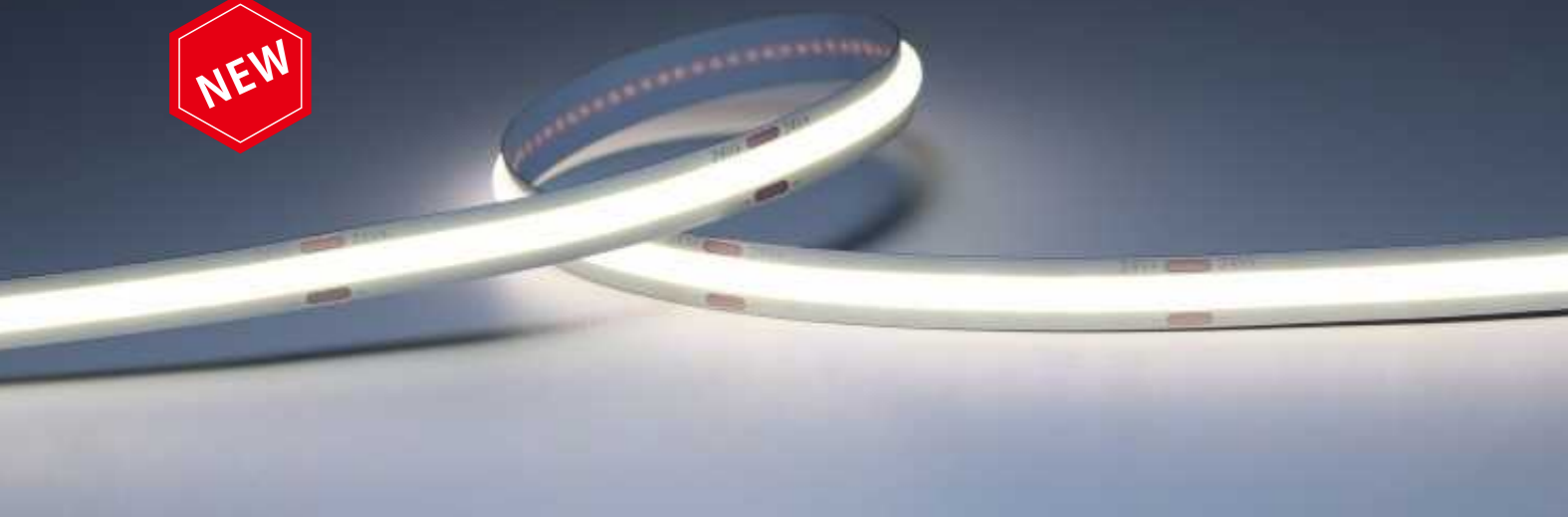
Application scenarios



COB / FOB LED STRIP

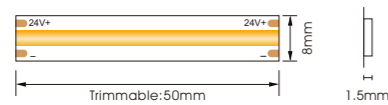
- ▶ 8W CRI90 320LED/m IP20 F/G
- ▶ 11W CRI90 384LED/m IP20 F
- ▶ 11W CRI90 480LED/m IP20 F
- ▶ 10W CRI90 512LED/m IP20 F/G
- ▶ FOB 8W CRI90 480LED/m IP20 G





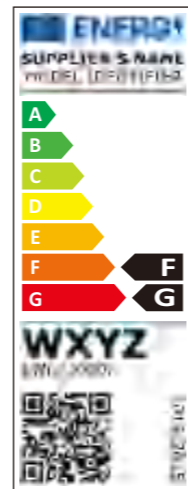
8W CRI90 320LED/m IP20 F/G

- IP20
- COB LED
- 2700K Ra90
- Max 150°
- Dimmable
- 50mm Trimmable
- 320 LED CHIP
- 3000K Ra90
- Power 8W
- PCB Width 8mm
- 4000K Ra90
- DC 12/24V
- Standard Length 5m
- 6500K Ra90



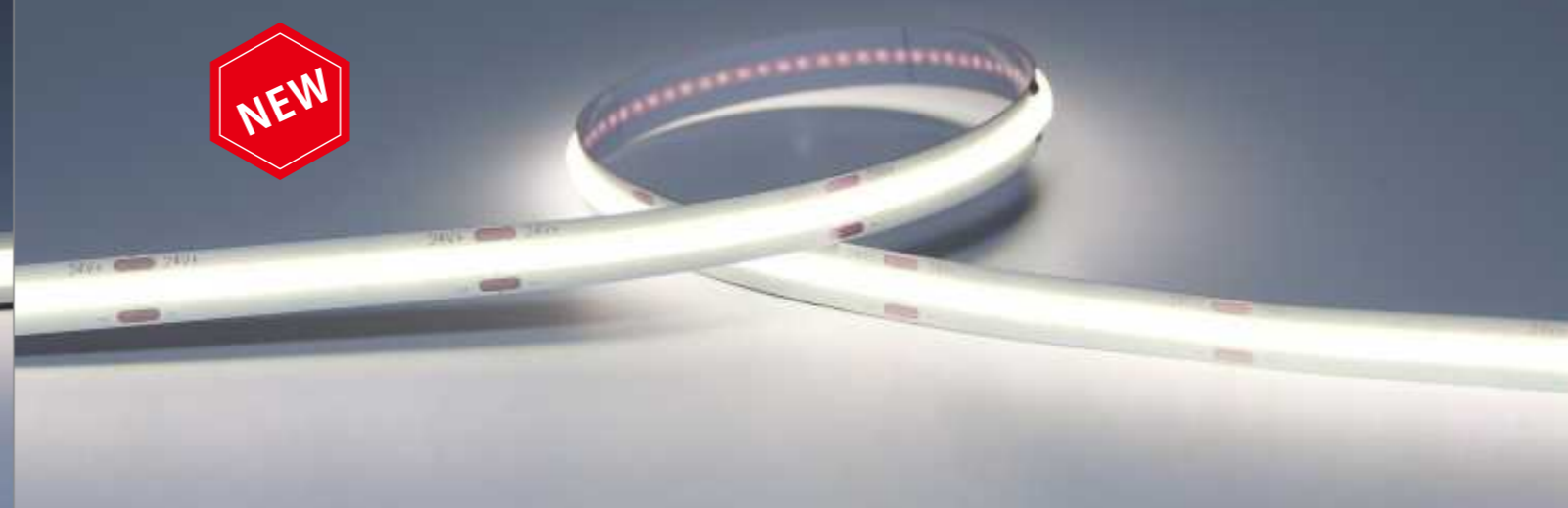
Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



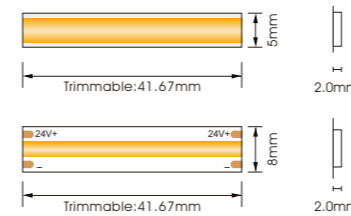
Product Parameters

COB	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24320T00-8A29	8	4	2700	75	300	>90/>40	G	≤5
	CLT-INNF24320T00-8A29	8	4	3000	80	320	>90/>40	G	≤5
	CLT-DNNF24320T00-8A29	8	4	4000	95	380	>90/>40	F	≤5
	CLT-WNNF24320T00-8A29	8	4	6500	95	380	>90/>40	F	≤5



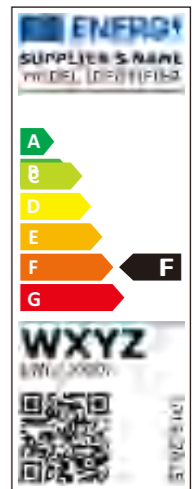
11W CRI90 384LED/m IP20 F

- IP20
- COB LED
- 2700K Ra90
- Max 150°
- Dimmable
- 41.67mm Trimmable
- 384 LED CHIP
- 3000K Ra90
- Power 11W
- PCB Width 5mm
- 4000K Ra90
- DC 12/24V
- Standard Length 5m
- 6500K Ra90



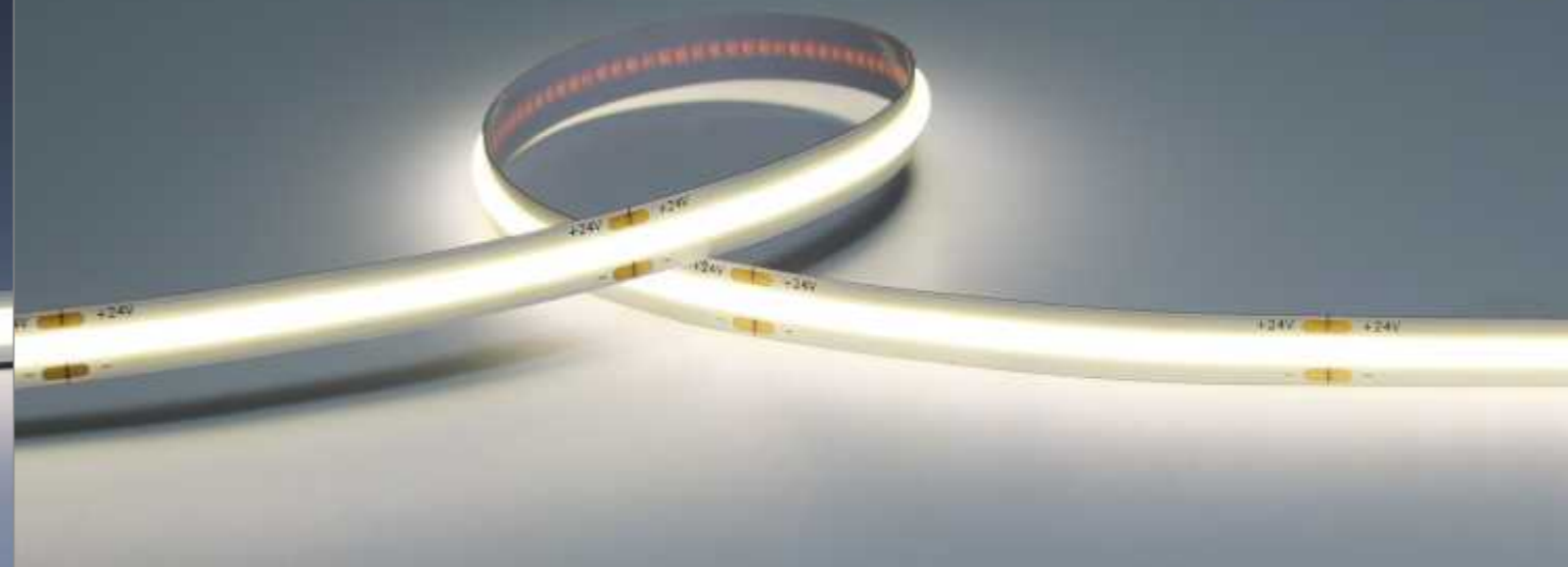
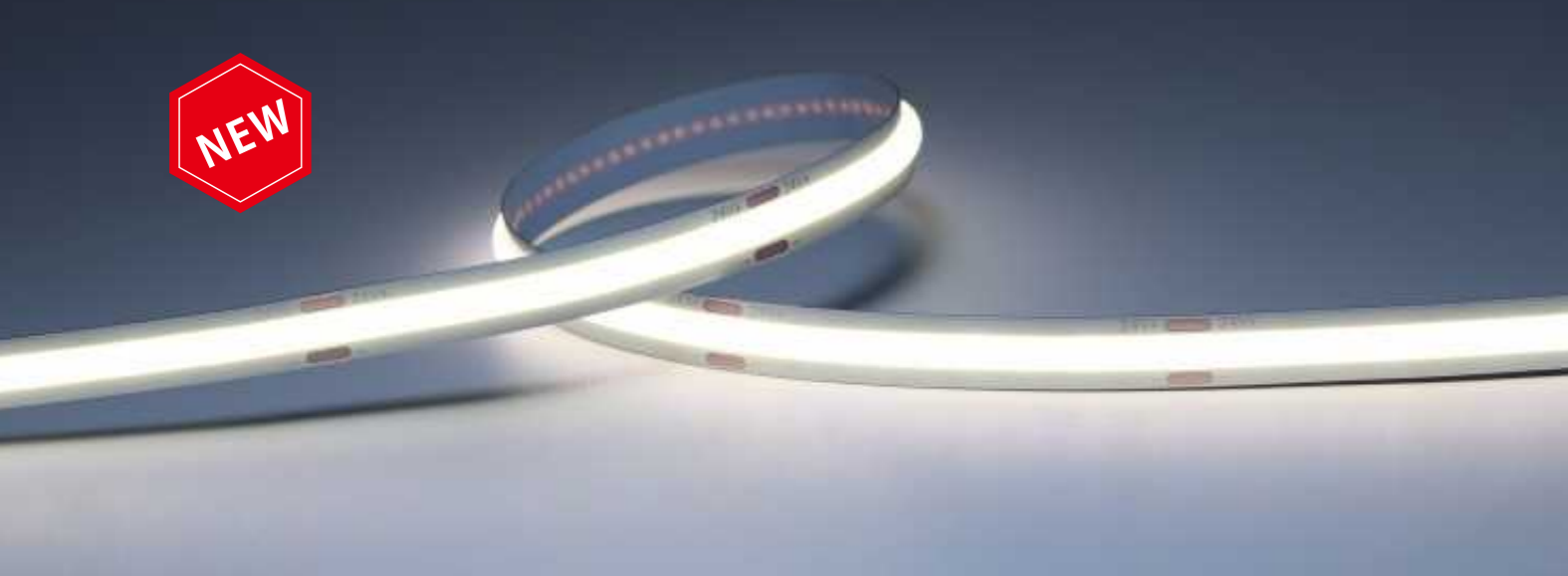
Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

COB	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24384T00-8A29	11	5.5	2700	92	506	>90/>40	F	≤5
	CLT-INNF24384T00-8A29	11	5.5	3000	92	506	>90/>40	F	≤5
	CLT-DNNF24384T00-8A29	11	5.5	4000	105	577	>90/>40	F	≤5
	CLT-WNNF24384T00-8A29	11	5.5	6500	110	605	>90/>40	F	≤5

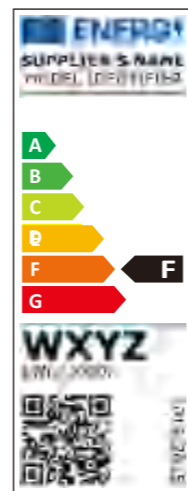
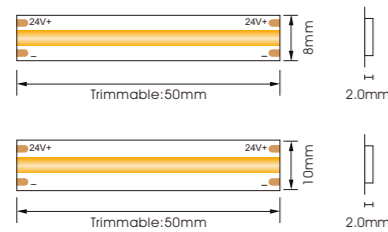


11W CRI90 480LED/m IP20 F

- IP20
- COB LED
- 2700K Ra90
- Max 150°
- Dimmable
- 50mm Trimmable
- 480 LED CHIP
- 3000K Ra90
- Power 11W
- PCB Width 8mm 10mm
- 4000K Ra90
- DC 12/24V
- Standard Length 5m
- 6500K Ra90

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

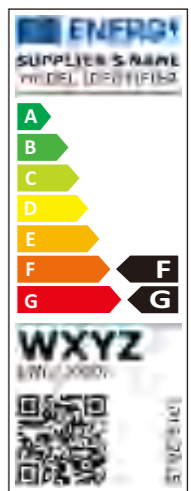
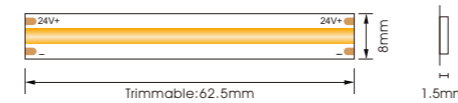
COB	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24480T00-8A39	11	5.5	2700	92	506	>90/>40	F	≤5
	CLT-INNF24480T00-8A39	11	5.5	3000	92	506	>90/>40	F	≤5
	CLT-DNNF24480T00-8A39	11	5.5	4000	105	577	>90/>40	F	≤5
	CLT-WNNF24480T00-8A39	11	5.5	6500	110	605	>90/>40	F	≤5

10W CRI90 512LED/m IP20 F/G

- IP20
- COB LED
- 2700K Ra90
- Max 150°
- Dimmable
- 62.5mm Trimmable
- 512 LED CHIP
- 3000K Ra90
- Power 10W
- PCB Width 8mm
- 4000K Ra90
- DC 12/24V
- Standard Length 5m
- 6500K Ra90

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

COB	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24512T00-8A19	10	5	2700	80	400	>90/>40	G	≤5
	CLT-INNF24512T00-8A19	10	5	3000	84	420	>90/>40	G	≤5
	CLT-DNNF24512T00-8A19	10	5	4000	92	460	>90/>40	F	≤5
	CLT-WNNF24512T00-8A19	10	5	6500	95	475	>90/>40	F	≤5

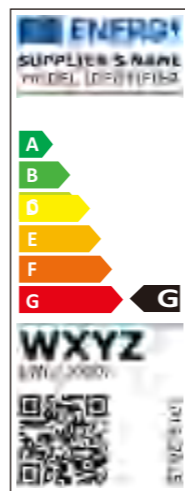
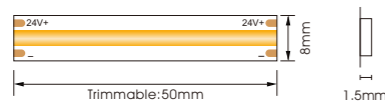


FOB 8W CRI90 480LED/m IP20 G Super Long

		2700K Ra90	Max 150°		
480 LED CHIP	3000K Ra90	Power 8W			
PCB Width 8mm	4000K Ra90	DC 12/24V			
Standard Length 5m	5000K Ra90				

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

COB	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24480T00-8A29	8	4	2700	70	280	≥ 90	G	Δ 3
	CLT-INNF24480T00-8A29	8	4	3000	70	280	≥ 90	G	Δ 3
	CLT-DNNF24480T00-8A29	8	4	4000	80	320	≥ 90	G	Δ 3
	CLT-FNNF24480T00-8A29	8	4	5000	82	330	≥ 90	G	Δ 3

Application scenarios

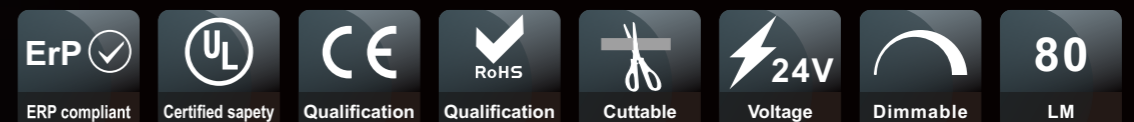


HIGH EFFICIENCY

2835 LED STRIP



- 4.5W CRI80 90LED/m IP20 Series B/C ◀
- 9W CRI80 180LED/m IP20 Series B/C ◀
- 4.5W CRI90 90LED/m IP20 Series C ◀
- 9W CRI90 180LED/m IP20 Series C ◀
- 4.8W CRI80 64LED/m IP20 Series E ◀
- 9.6W CRI80 80LED/m IP20 Series E ◀
- 9.6W CRI80 128LED/m IP20 Series E ◀
- 14.4W CRI80 128LED/m IP20 Series E ◀
- 14.4W CRI80 160LED/m IP20 Series E ◀
- 19.2W CRI80 160LED/m IP20 Series E ◀
- 4.8W CRI90 64LED/m IP20 Series E/F ◀
- 9.6W CRI90 80LED/m IP20 Series E/F ◀
- 9.6W CRI90 128LED/m IP20 Series E/F ◀
- 14.4W CRI90 128LED/m IP20 Series E/F ◀
- 14.4W CRI90 160LED/m IP20 Series E/F ◀
- 19.2W CRI90 160LED/m IP20 Series F ◀
- DIM TO WARM LED Strip F ◀
- CCT Tunable LED strip F ◀
- 12V/24V Mini cut LED strip E/F ◀

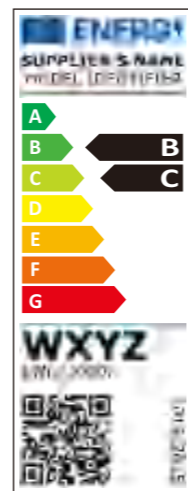
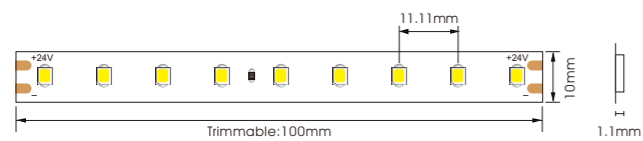




4.5W CRI80 90LED/m IP20 Series B/C

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

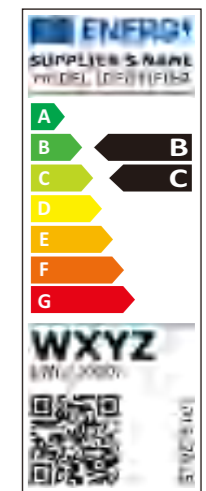
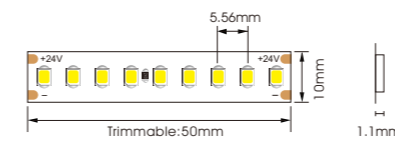
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24090T09-0A28	4.5	2.25	2700	187	420	>80/>0	C	≤3
	CLT-INNF24090T09-0A28	4.5	2.25	3000	190	428	>80/>0	C	≤3
	CLT-DNNF24090T09-0A28	4.5	2.25	4000	200	450	>80/>0	B	≤3
	CLT-WNNF24090T09-0A28	4.5	2.25	6500	200	450	>80/>0	B	≤3



9W CRI80 180LED/m IP20 Series B/C

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

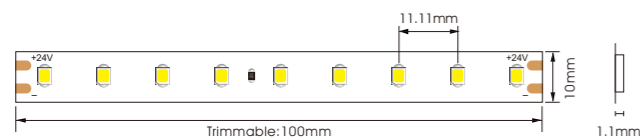
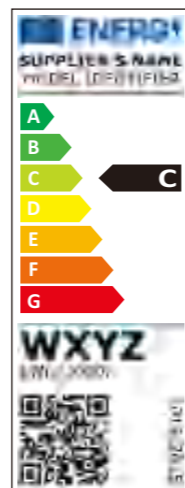
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24180T09-0A28	9	4.5	2700	184	830	>80/>0	C	≤3
	CLT-INNF24180T09-0A28	9	4.5	3000	184	832	>80/>0	C	≤3
	CLT-DNNF24180T09-0A28	9	4.5	4000	200	900	>80/>0	B	≤3
	CLT-WNNF24180T09-0A28	9	4.5	6500	200	900	>80/>0	B	≤3



4.5W CRI90 90LED/m IP20 Series C

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



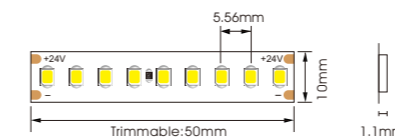
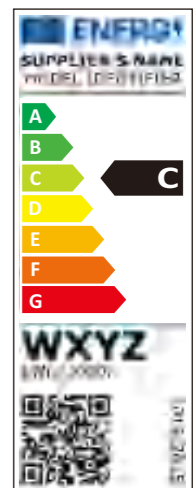
Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24090T09-0A29	4.5	2.25	2700	178	400	>90/>40		≤3
	CLT-INNF24090T09-0A29	4.5	2.25	3000	180	405	>90/>40		≤3
	CLT-DNNF24090T09-0A29	4.5	2.25	4000	190	428	>90/>40		≤3
	CLT-DNNF24180T09-0A29	9	4.5	4000	190	850	>90/>40		≤3
	CLT-WNNF24090T09-0A29	4.5	2.25	6500	190	429	>90/>40		≤3

9W CRI90 180LED/m IP20 Series C

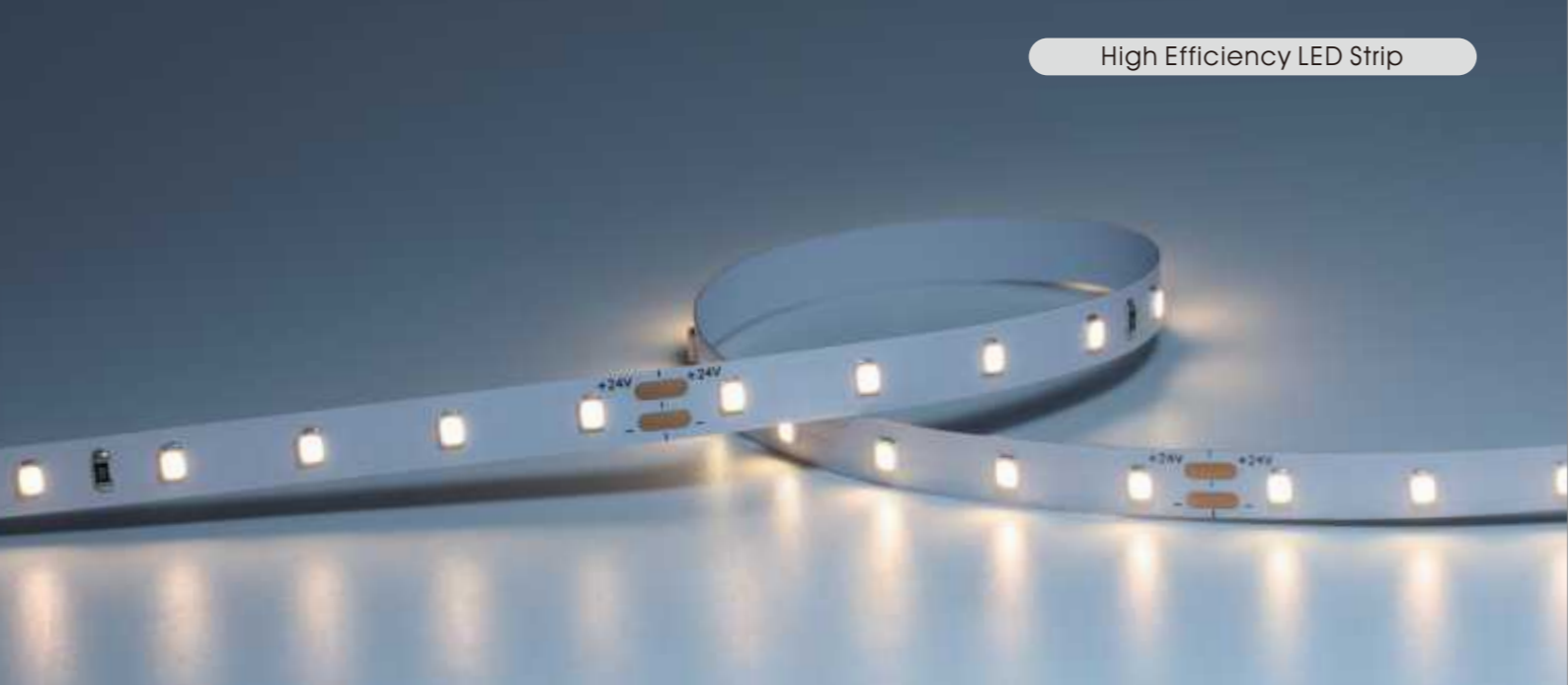
Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

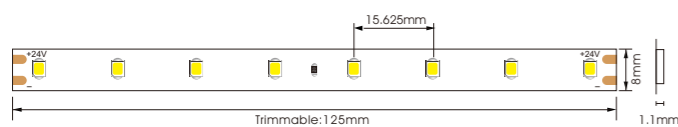
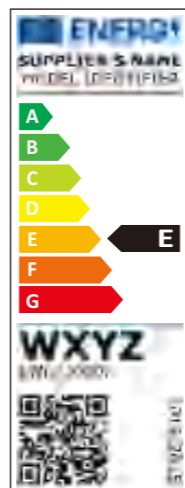
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24180T09-0A29	9	4.5	2700	178	800	>90/>40		≤3
	CLT-INNF24180T09-0A29	9	4.5	3000	180	810	>90/>40		≤3
	CLT-DNNF24180T09-0A29	9	4.5	4000	190	850	>90/>40		≤3
	CLT-DNNF24180T09-0A29	9	4.5	4000	190	850	>90/>40		≤3
	CLT-WNNF24180T09-0A29	9	4.5	6500	190	850	>90/>40		≤3



4.8W CRI80 64LED/m IP20 Series E

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- Standards / Normative Requirements**
- Protection class : EN 60529
 - Safety Requirements : EN 62031 IEC 60598-1
 - EMC / radio disturbance characteristics : EN 55015
 - ROHS : Yes
 - CE : Yes



Product Parameters

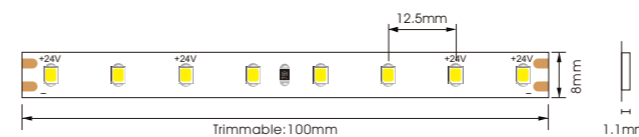
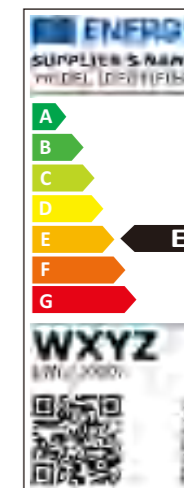
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24064T09-0A38	4.8	2.4	2700	138	330	>80/>0	E	≤3
	CLT-INNF24064T09-0A38	4.8	2.4	3000	140	336	>80/>0	E	≤3
	CLT-DNNF24064T09-0A38	4.8	2.4	4000	145	348	>80/>0	E	≤3
	CLT-INNF24064T09-0A38	4.8	2.4	4000	145	348	>80/>0	E	≤3
	CLT-WNNF24064T09-0A38	4.8	2.4	6500	145	348	>80/>0	E	≤3



9.6W CRI80 80LED/m IP20 Series E

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- Standards / Normative Requirements**
- Protection class : EN 60529
 - Safety Requirements : EN 62031 IEC 60598-1
 - EMC / radio disturbance characteristics : EN 55015
 - ROHS : Yes
 - CE : Yes



Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24080T09-8A28	9.6	4.8	2700	135	648	>80/>0	E	≤3
	CLT-INNF24080T09-8A28	9.6	4.8	3000	138	662	>80/>0	E	≤3
	CLT-DNNF24080T09-8A28	9.6	4.8	4000	145	696	>80/>0	E	≤3
	CLT-INNF24080T09-8A28	9.6	4.8	4000	145	696	>80/>0	E	≤3
	CLT-WNNF24080T09-8A28	9.6	4.8	6500	145	696	>80/>0	E	≤3

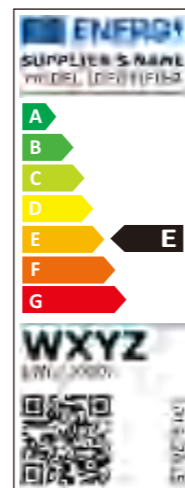
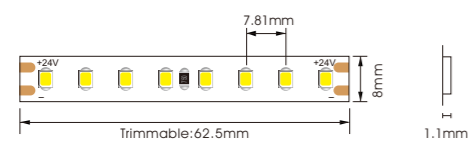


9.6W CRI80 128LED/m IP20 Series E

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

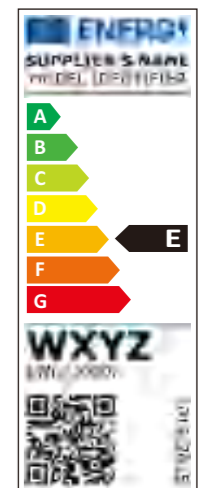
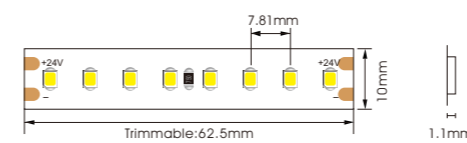


14.4W CRI80 128LED/m IP20 Series E

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24128T09-8A38	9.6	4.8	2700	138	662	>80/>0	E	≤3
	CLT-INNF24128T09-8A38	9.6	4.8	3000	140	672	>80/>0	E	≤3
	CLT-DNNF24128T09-8A38	9.6	4.8	4000	145	696	>80/>0	E	≤3
	CLT-WNNF24128T09-8A38	9.6	4.8	6500	145	696	>80/>0	E	≤3

Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24128T09-0A48	14.4	7.2	2700	140	1008	>80/>0	E	≤5
	CLT-INNF24128T09-0A48	14.4	7.2	3000	142	1022	>80/>0	E	≤5
	CLT-DNNF24128T09-0A48	14.4	7.2	4000	145	1044	>80/>0	E	≤5
	CLT-WNNF24128T09-0A48	14.4	7.2	6500	145	1044	>80/>0	E	≤5

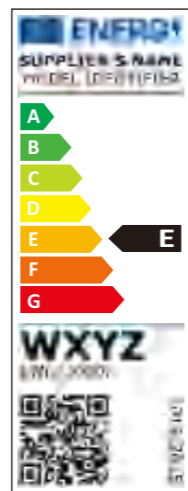
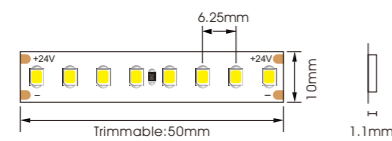


14.4W CRI80 160LED/m IP20 Series E

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

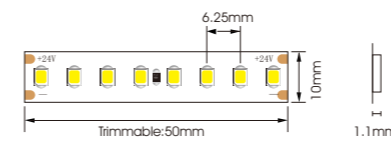
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24160T09-0A38	14.4	7.2	2700	140	1008	>80/>0	E	≤3
	CLT-INNF24160T09-0A38	14.4	7.2	3000	142	1022	>80/>0	E	≤3
	CLT-DNNF24160T09-0A38	14.4	7.2	4000	145	1044	>80/>0	E	≤3
	CLT-INNF24160T09-0A48	19.2	9.6	2700	135	1296	>80/>0	E	≤3
	CLT-DNNF24160T09-0A48	19.2	9.6	4000	145	1392	>80/>0	E	≤3

19.2W CRI80 160LED/m IP20 Series E

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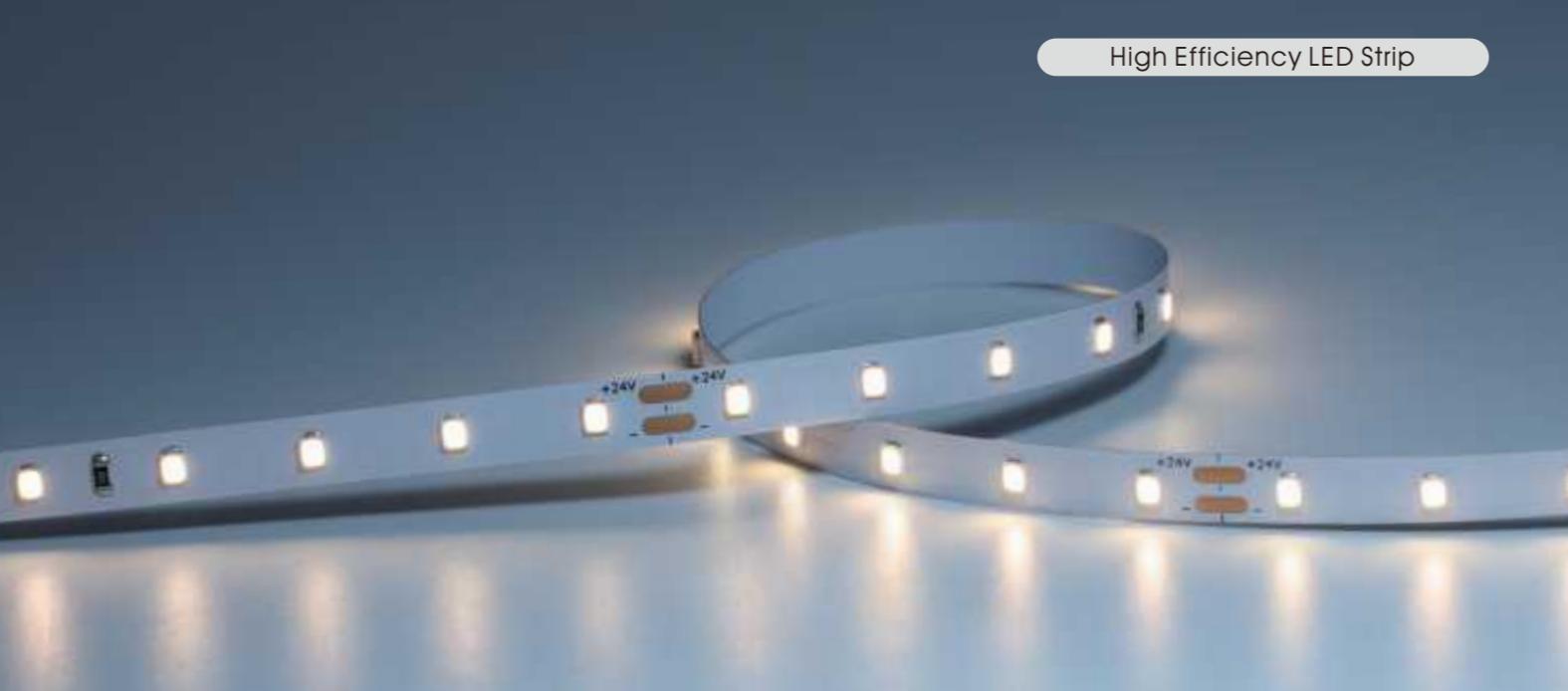
Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24160T09-0A48	19.2	9.6	2700	135	1296	>80/>0	E	≤3
	CLT-INNF24160T09-0A48	19.2	9.6	3000	138	1325	>80/>0	E	≤3
	CLT-DNNF24160T09-0A48	19.2	9.6	4000	145	1392	>80/>0	E	≤3
	CLT-INNF24160T09-0A38	14.4	7.2	2700	140	1008	>80/>0	E	≤3
	CLT-DNNF24160T09-0A38	14.4	7.2	4000	145	1044	>80/>0	E	≤3

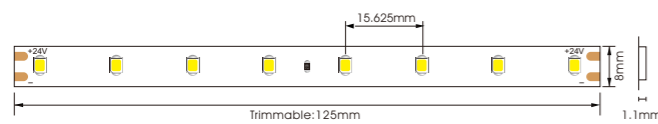
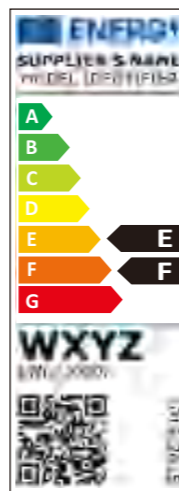


4.8W CRI90 64LED/m IP20 Series E/F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

2835 High Efficiency	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24064T09-8A39	4.8	2.4	2700	115	276	>90/>40	F	≤3
CLT-INNF24064T09-8A39	4.8	2.4	3000	118	283	>90/>40	F	≤3	
CLT-DNNF24064T09-8A39	4.8	2.4	4000	125	300	>90/>40	E	≤3	
CLT-FNNF24064T09-8A39	4.8	2.4	6500	125	300	>90/>40	E	≤3	

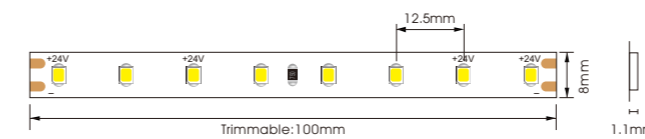
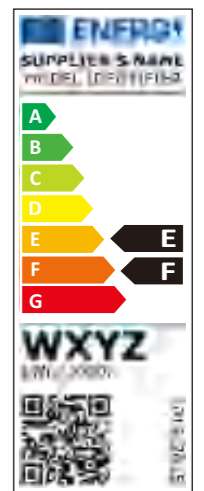


9.6W CRI90 80LED/m IP20 Series E/F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

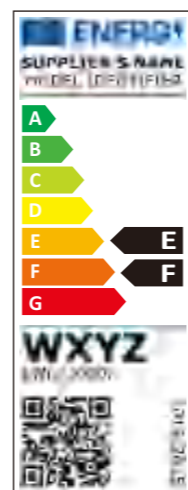
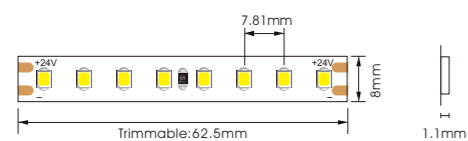
2835 High Efficiency	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24080T09-8A49	9.6	4.8	2700	110	528	>90/>40	F	≤3
CLT-INNF24080T09-8A49	9.6	4.8	3000	115	552	>90/>40	F	≤3	
CLT-DNNF24080T09-8A49	9.6	4.8	4000	120	576	>90/>40	E	≤3	
CLT-FNNF24080T09-8A49	9.6	4.8	6500	120	576	>90/>40	E	≤3	



9.6W CRI90 128LED/m IP20 Series E/F

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



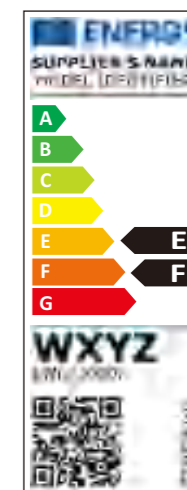
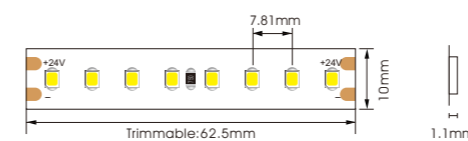
Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24128T09-8A39	9.6	4.8	2700	115	552	>90/>40	F	≤3
	CLT-INNF24128T09-8A39	9.6	4.8	3000	118	566	>90/>40	F	≤3
	CLT-DNNF24128T09-8A39	9.6	4.8	4000	125	600	>90/>40	E	≤3
	CLT-FNNF24128T09-8A39	9.6	4.8	6500	125	600	>90/>40	E	≤3

14.4W CRI90 128LED/m IP20 Series E/F

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24128T09-0A38	14.4	7.2	2700	110	792	>90/>40	F	≤3
	CLT-INNF24128T09-0A38	14.4	7.2	3000	112	806	>90/>40	F	≤3
	CLT-DNNF24128T09-0A38	14.4	7.2	4000	120	964	>90/>40	E	≤3
	CLT-FNNF24128T09-0A38	14.4	7.2	6500	120	864	>90/>40	E	≤3

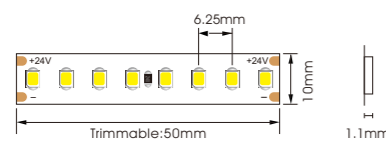
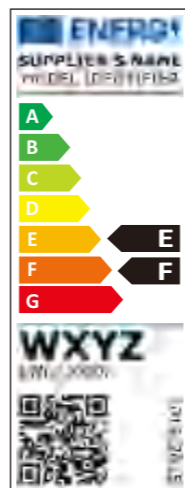


14.4W CRI90 160LED/m IP20 Series E/F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

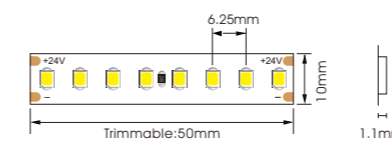
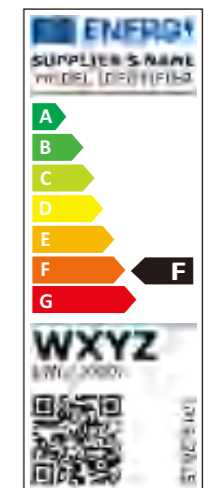
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24160T09-0A38	14.4	7.2	2700	110	792	>90/>40	F	≤3
	CLT-INNF24160T09-0A38	14.4	7.2	3000	112	806	>90/>40	F	≤3
	CLT-DNNF24160T09-0A38	14.4	7.2	4000	120	964	>90/>40	E	≤3
	CLT-DNNF24160T09-0A38	14.4	7.2	4000	120	964	>90/>40	E	≤3
	CLT-WNNF24160T09-0A38	14.4	7.2	6500	120	864	>90/>40	E	≤3

19.2W CRI90 160LED/m IP20 Series F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 High Efficiency	CLT-KNNF24160T09-0A38	19.2	9.6	2700	105	1008	>90/>40	F	≤3
	CLT-INNF24160T09-0A38	19.2	9.6	3000	110	1056	>90/>40	F	≤3
	CLT-DNNF24160T09-0A38	19.2	9.6	4000	115	1104	>90/>40	F	≤3
	CLT-DNNF24160T09-0A38	19.2	9.6	4000	115	1104	>90/>40	F	≤3
	CLT-WNNF24160T09-0A38	19.2	9.6	6500	115	1104	>90/>40	F	≤3

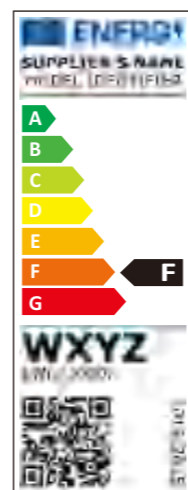
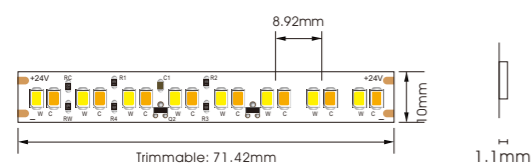


DIM TO WARM LED Strip F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

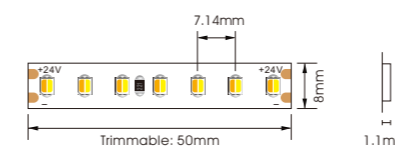
2835	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-PINF24224T09-0A39	10	5	1800 3000	90	500	>90/>40	F	≤5

2835 CCT Tunable LED strip F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

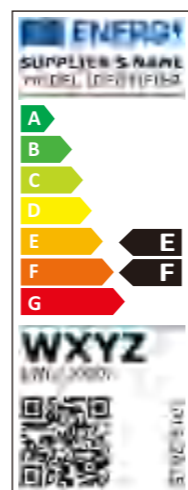
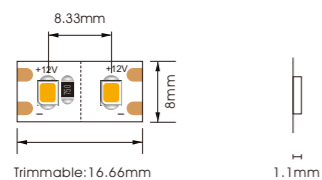
2835	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CL-WINF24140T09-8A29	9.6	4.8	2700	90	432	>90/>40	F	≤5
	CL-WINF24140T09-8A29	9.6	4.8	6500	100	480	>90/>40	F	≤5



12V Mini cut LED strip E/F

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



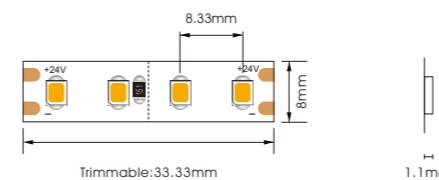
Product Parameters

2835	Part No./CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF12120T09-8A29	9.6	4.8	2700	115	540	>90/>40	E	≤5
	CLT-INNF12120T09-8A29	9.6	4.8	3000	115	550	>90/>40	E	≤5
	CLT-DNNF12120T09-8A29	9.6	4.8	4000	125	600	>90/>40	E	≤5
	CLT-WNNF12120T09-8A29	9.6	4.8	6500	125	600	>90/>40	E	≤5

24V Mini cut LED strip E/F

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

2835	Part No./CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24120T09-8A29	9.6	4.8	2700	115	540	>90/>40	E	≤5
	CLT-INNF24120T09-8A29	9.6	4.8	3000	115	550	>90/>40	E	≤5
	CLT-DNNF24120T09-8A29	9.6	4.8	4000	125	600	>90/>40	E	≤5
	CLT-WNNF24120T09-8A29	9.6	4.8	6500	125	600	>90/>40	E	≤5

Application scenarios



FULL SPECTRUM

2835 SMD LED STRIP

- ▶ 4.8W CRI95 R1-R15 >90 80LED/m IP20 Series F
- ▶ 9.6W CRI95 R1-R15 >90 160LED/m IP20 Series F
- ▶ 14.4W CRI95 R1-R15 >90 80LED/m IP20 Series F
- ▶ 19.2W CRI95 R1-R15 >90 160LED/m IP20 Series F





4.8W CRI95 R1-R15 > 90 80LED/m IP20 Series F

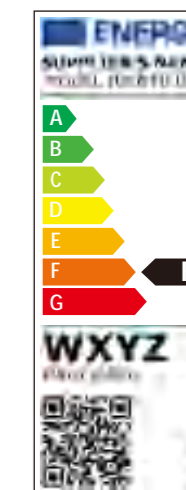
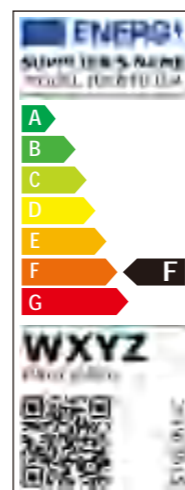
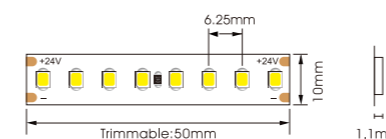
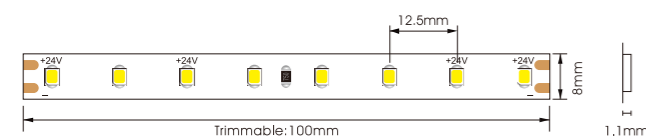
9.6W CRI95 R1-R15 > 90 160LED/m IP20 Series F

Standards / Normative Req

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

Standards / Normative Req

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

2835 Full Spectrum	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF2480T09-8A26	4.8	2.4	2700	100	240	>95/>90	F	≤3
CLT-INNF2480T09-8A26	4.8	2.4	3000	110	264	>95/>90	F	≤3	
CLT-DNNF2480T09-8A26	4.8	2.4	4000	115	276	>95/>90	F	≤3	

Product Parameters

2835 Full Spectrum	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24160T09-8A26	9.6	4.8	2700	100	480	>95/>90	F	≤3
CLT-INNF24160T09-8A26	9.6	4.8	3000	110	528	>95/>90	F	≤3	
CLT-DNNF24160T09-8A26	9.6	4.8	4000	115	552	>95/>90	F	≤3	

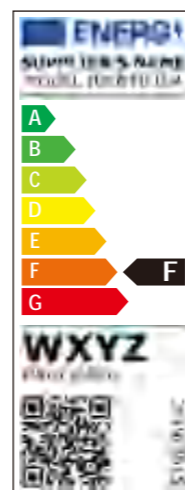
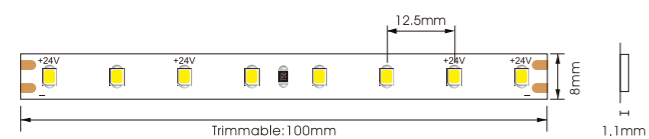


14.4W CRI95 R1-R15 > 90 80LED/m IP20 Series F

- IP20
- 2835 LED
- 2700K Ra90
- TYP 120°
- Dimmable
- 100mm Trimable
- 80 LED CHIP
- 3000K Ra90
- Power 14.4W
- PCB Width 10mm
- 4000K Ra90
- DC 24V
- Standard length 5m

Standards / Normative Req

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

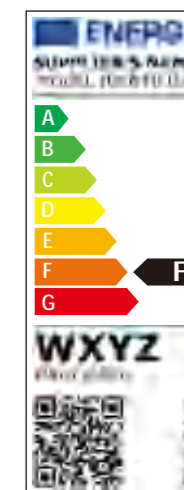
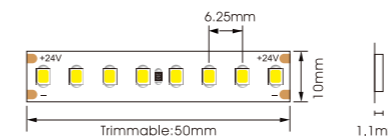
2835 Full Spectrum	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24080T09-0A66	14.4	7.2	2700	95	684	>95/>90	F	≤3
	CLT-INNF24080T09-0A66	14.4	7.2	3000	100	720	>95/>90	F	≤3
	CLT-DNNF24080T09-0A66	14.4	7.2	4000	105	756	>95/>90	F	≤3

19.2W CRI95 R1-R15 > 90 160LED/m IP20 Series F

- IP20
- 2835 LED
- 2700K Ra90
- TYP 120°
- Dimmable
- 50mm Trimable
- 160 LED CHIP
- 3000K Ra90
- Power 19.2W
- PCB Width 10mm
- 4000K Ra90
- DC 24V
- Standard length 5m

Standards / Normative Req

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

2835 Full Spectrum	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24160T09-8A26	19.2	9.6	2700	95	912	>95/>90	F	≤3
	CLT-INNF24160T09-8A26	19.2	9.6	3000	100	960	>95/>90	F	≤3
	CLT-DNNF24160T09-8A26	19.2	9.6	4000	105	1008	>95/>90	F	≤3

Application scenarios



2216 LED STRIP

- ▶ 4.8W CRI90 70LED/m IP20 Series F
- ▶ 9.6W CRI90 140LED/m IP20 Series F
- ▶ 14.4W CRI90 210LED/m IP20 Series F
- ▶ 19.2W CRI90 280LED/m IP20 Series F
- ▶ 19.2W CRI90 240LED/m IP20 Series
- ▶ 24W CRI90 300LED/m IP20 Series
- ▶ 24W CRI90 350LED/m IP20 Series



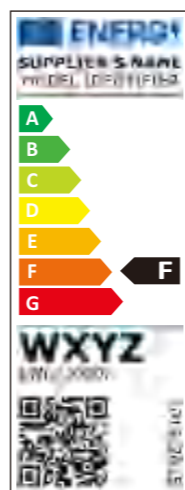
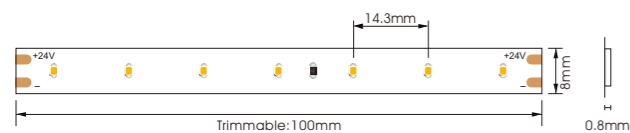


4.8W CRI90 70LED/m IP20 Series F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

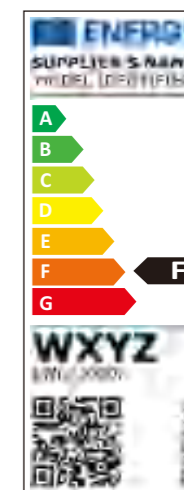
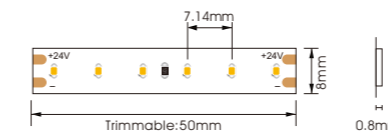
2216	Part No./CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24070T16-8A29	4.8	2.4	2700	96	230	>90/>40	F	<5
	CLT-INNF24070T16-8A29	4.8	2.4	3000	98	235	>90/>40	F	<5
	CLT-DNNF24070T16-8A29	4.8	2.4	4000	104	250	>90/>40	F	<5
	CLT-WNNF24070T16-8A29	4.8	2.4	6000	104	250	>90/>40	F	<5

9.6W CRI90 140LED/m IP20 Series F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

2216	Part No./CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24140T16-8A29	9.6	4.8	2700	93	446	>90/>40	F	<5
	CLT-INNF24140T16-8A29	9.6	4.8	3000	94	451	>90/>40	F	<5
	CLT-DNNF24140T16-8A29	9.6	4.8	4000	100	480	>90/>40	F	<5
	CLT-WNNF24140T16-8A29	9.6	4.8	6000	100	480	>90/>40	F	<5

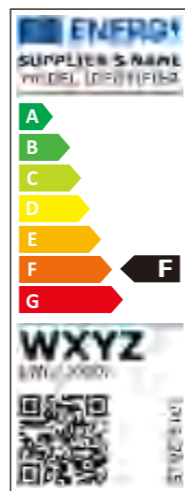
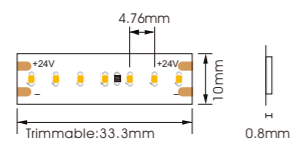


14.4W CRI90 210LED/m IP20 Series F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

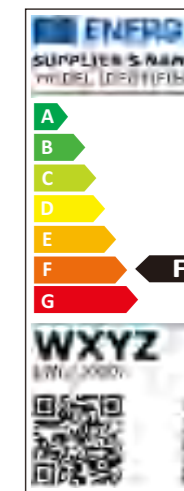
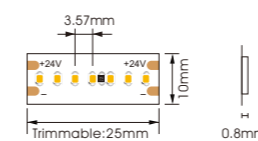
2216	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24210T16-0A29	14.4	7.2	2700	90	648	>90/>40	F	<5
	CLT-INNF24210T16-0A29	14.4	7.2	3000	95	684	>90/>40	F	<5
	CLT-DNNF24210T16-0A29	14.4	7.2	4000	100	720	>90/>40	F	<5
	CLT-WNNF24210T16-0A29	14.4	7.2	6000	100	720	>90/>40	F	<5

19.2W CRI90 280LED/m IP20 Series F

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

















Product Parameters

2216	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24280T16-0A29	19.2	9.6	2700	96	922	>90/>40	F	<5
	CLT-INNF24280T16-0A29	19.2	9.6	3000	97	931	>90/>40	F	<5
	CLT-DNNF24280T16-0A29	19.2	9.6	4000	102	979	>90/>40	F	<5
	CLT-WNNF24280T16-0A29	19.2	9.6	6000	102	979	>90/>40	F	<5

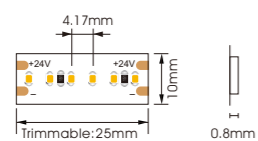


19.2W CRI90 240LED/m IP20 Series

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Standards / Normative Requirements















- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

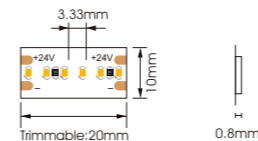
2216	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24240T16-0A29	19.2	9.6	2700	75	720	>90/>40	/	<5
	CLT-INNF24240T16-0A29	19.2	9.6	3000	80	768	>90/>40	/	<5
	CLT-DNNF24240T16-0A29	19.2	9.6	4000	87	835	>90/>40	/	<5
	CLT-WNNF24240T16-0A29	19.2	9.6	6000	87	835	>90/>40	/	<5

24W CRI90 300LED/m IP20 Series

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

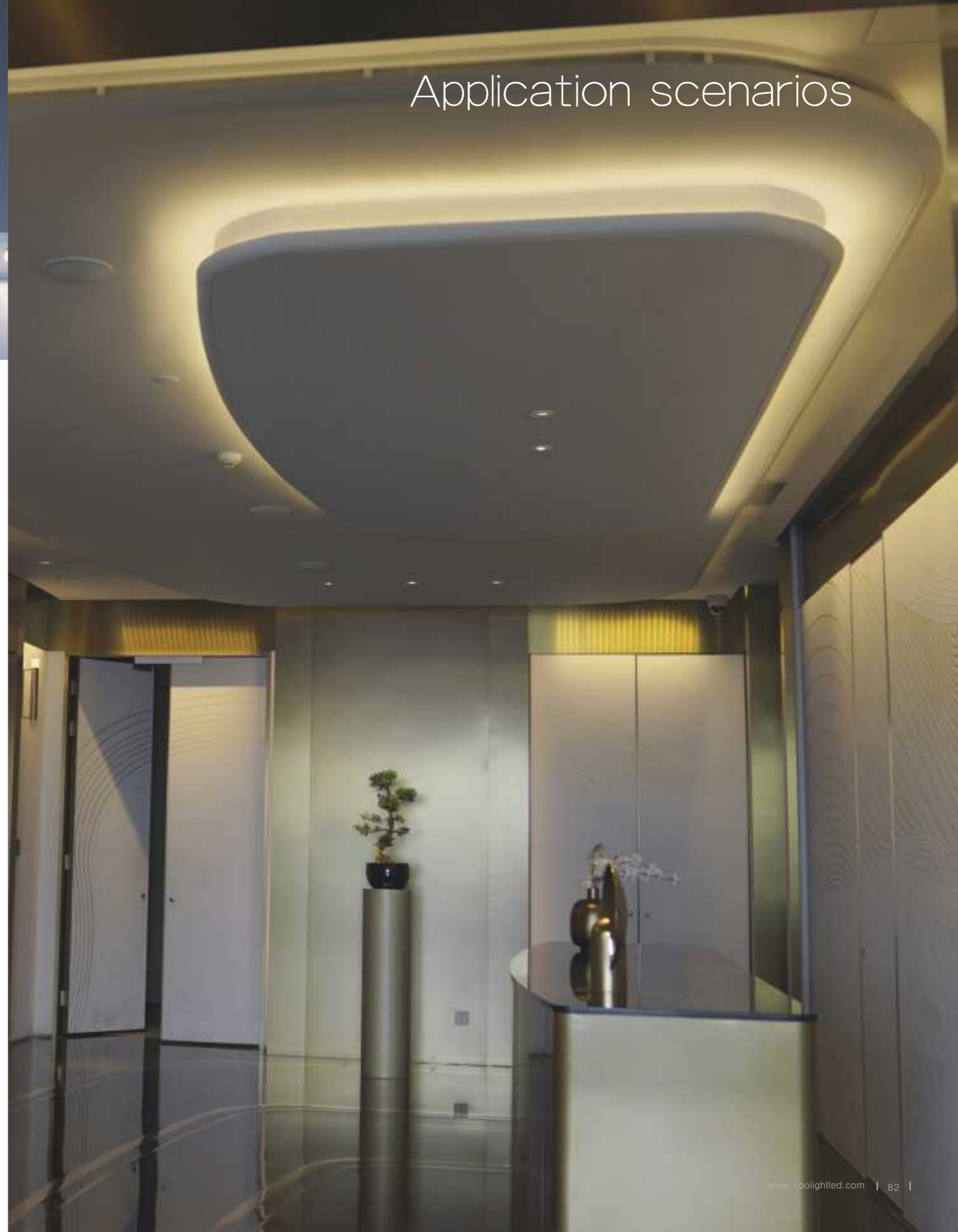


Product Parameters

2216	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24300T16-0A29	24	12	2700	75	900	>90/>40	/	<5
	CLT-INNF24300T16-0A29	24	12	3000	80	960	>90/>40	/	<5
	CLT-DNNF24300T16-0A29	24	12	4000	87	1044	>90/>40	/	<5
	CLT-WNNF24300T16-0A29	24	12	6000	87	1044	>90/>40	/	<5

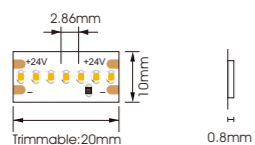


Application scenarios



24W CRI90 350LED/m IP20 Series

- Standards / Normative Requirements**
- Protection class : EN 60529
 - Safety Requirements : EN 62031 IEC 60598-1
 - EMC / radio disturbance characteristics : EN 55015
 - ROHS : Yes
 - CE : Yes

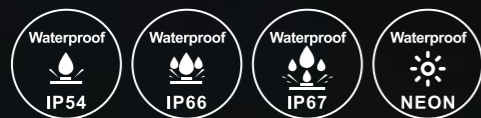


Product Parameters

2216	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNNF24350T16-0A29	24	12	2700	90	1080	>90/>40	/	<5
	CLT-INNF24350T16-0A29	24	12	3000	95	1140	>90/>40	/	<5
	CLT-DNNF24350T16-0A29	24	12	4000	100	1200	>90/>40	/	<5
	CLT-WNNF24350T16-0A29	24	12	6000	100	1200	>90/>40	/	<5

ULTRA-NARROW LED STRIP

- ▶ 9.6W CRI90 168LED/m IP20 Series G
- ▶ 9.6W CRI90 140LED/m IP20 Series F
- ▶ 9.6W CRI90 144LED/m IP20 Series G



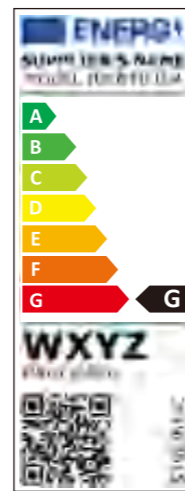
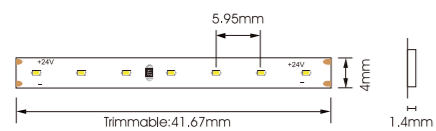


9.6W CRI90 168LED/m IP20 Series G

- IP20**
- 2835 LED**
- 2700K Ra90**
- TYP 120°**
- Dimmable**
- 41.67mm Trimable**
- 168 LED CHIP**
- 3000K Ra90**
- Power 9.6W**
- PCB Width 4mm**
- 4000K Ra90**
- DC 24V**
- Standard length 5m**
- 6500K Ra90**

Standards / Normative Req

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

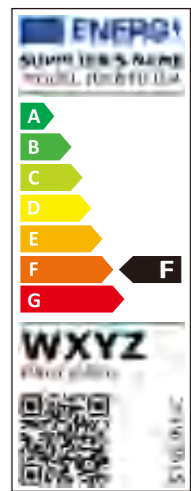
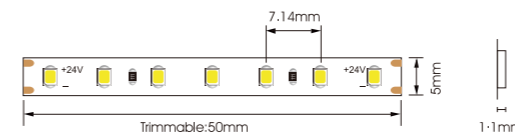
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 Ultra-narrow	CLT-KNNF24168T10-BA39	9.6	4.8	2700	77	370	>90/>40	G	≤5
	CLT-INNF24168T10-BA39	9.6	4.8	3000	78	375	>90/>40	G	≤5
	CLT-DNNF24168T10-BA39	9.6	4.8	4000	85	408	>90/>40	G	≤5
	CLT-WNNF24168T10-BA39	9.6	4.8	6500	85	408	>90/>40	G	≤5

9.6W CRI90 140LED/m IP20 Series F

- IP20**
- 2835 LED**
- 2700K Ra90**
- TYP 120°**
- Dimmable**
- 50mm Trimable**
- 140 LED CHIP**
- 3000K Ra90**
- Power 9.6W**
- PCB Width 5mm**
- 4000K Ra90**
- DC 24V**
- Standard length 5m**
- 6500K Ra90**

Standards / Normative Req

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

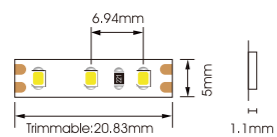
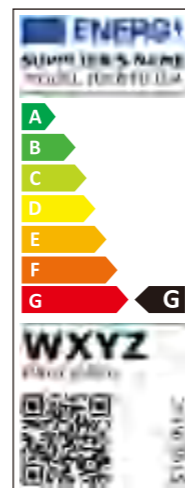
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 Ultra-narrow	CLT-KNNF24140T09-5A29	9.6	4.8	2700	90	432	>90/>40	F	≤3
	CLT-INNF24140T09-5A29	9.6	4.8	3000	95	456	>90/>40	F	≤3
	CLT-DNNF24140T09-5A29	9.6	4.8	4000	100	480	>90/>40	F	≤3
	CLT-WNNF24140T09-5A29	9.6	4.8	6500	100	480	>90/>40	F	≤3



9.6W CRI90 144LED/m IP20 Series G

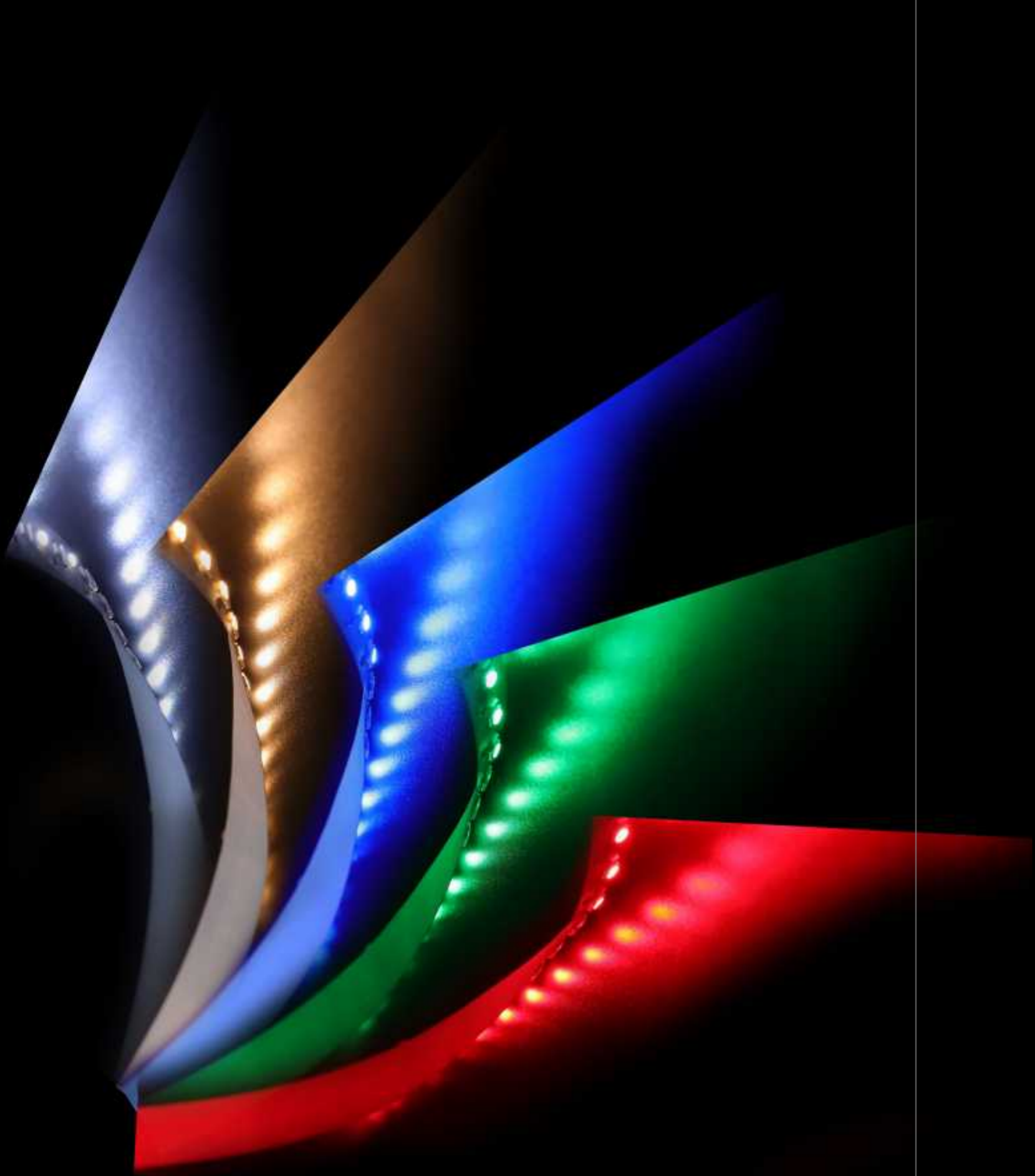
Standards / Normative Req

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

Part No./CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
CLT-KNNF21444T09-5A29	9.6	4.8	2700	77	370	>90/>40	G	≤3
CLT-INNF21444T09-5A29	9.6	4.8	3000	80	384	>90/>40	G	≤3
CLT-DNNF21444T09-5A29	9.6	4.8	4000	85	408	>90/>40	G	≤3
CLT-WNNF21444T09-5A29	9.6	4.8	6500	85	408	>90/>40	G	≤3



2835 RGB SMD LED STRIP



- 12W 120LED/m 24V RGB ◀
- 10W 120LED/m 12V RGB ◀
- 14.4W 120LED/m 24V RGB ◀
- 12W 180LED/m 24V RGB ◀
- 20W 240LED/m 24V RGB+W ◀
- 24W 288LED/m 24V RGB+WW ◀



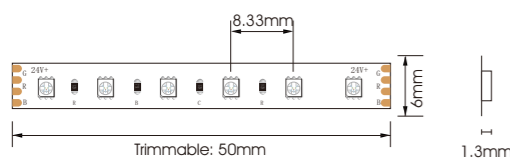


12W 120LED/m 24V RGB

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

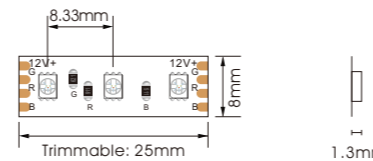
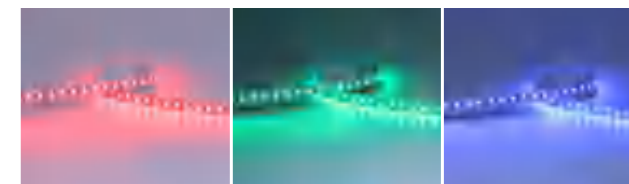
2835 RGB	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	IP
	CLT-W2NF24120T09-6A30	12	6	R	621-629	54	/	/	20 (54/66)
				G	516-522	160	/	/	
				B	463-467	34	/	/	
				RGB	464-480	230	/	/	

10W 120LED/m 12V RGB

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes














Product Parameters

2835 RGB	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	IP
	CLT-W2NF12120T09-8A20	10	5	R	618-623	48	/	/	20 (54/66/67)
				G	520-525	150	/	/	
				B	465-470	33	/	/	
				RGB	475-480	226	/	/	

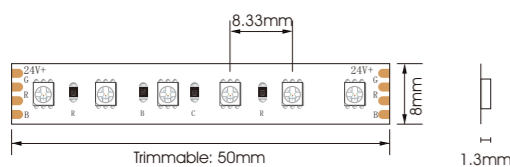


14.4W 120LED/m 24V RGB

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Standards / Normative Requirements







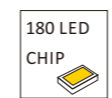

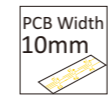


- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

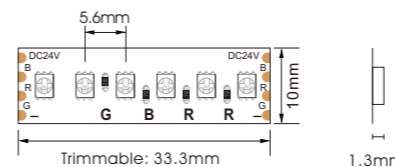
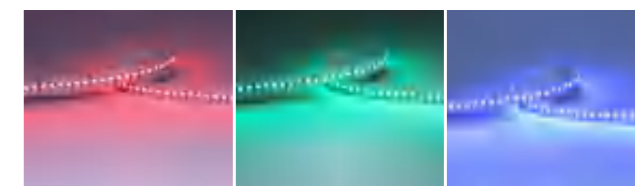
2835 RGB	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	IP
	CLT-W2NF24120T09-8A30	14.4	7.2	R	618-623	68	/	/	20 (54/66/67)
				G	520-525	193	/	/	
				B	462-468	41	/	/	
				RGB	475-480	294	/	/	

12W 180LED/m 24V RGB

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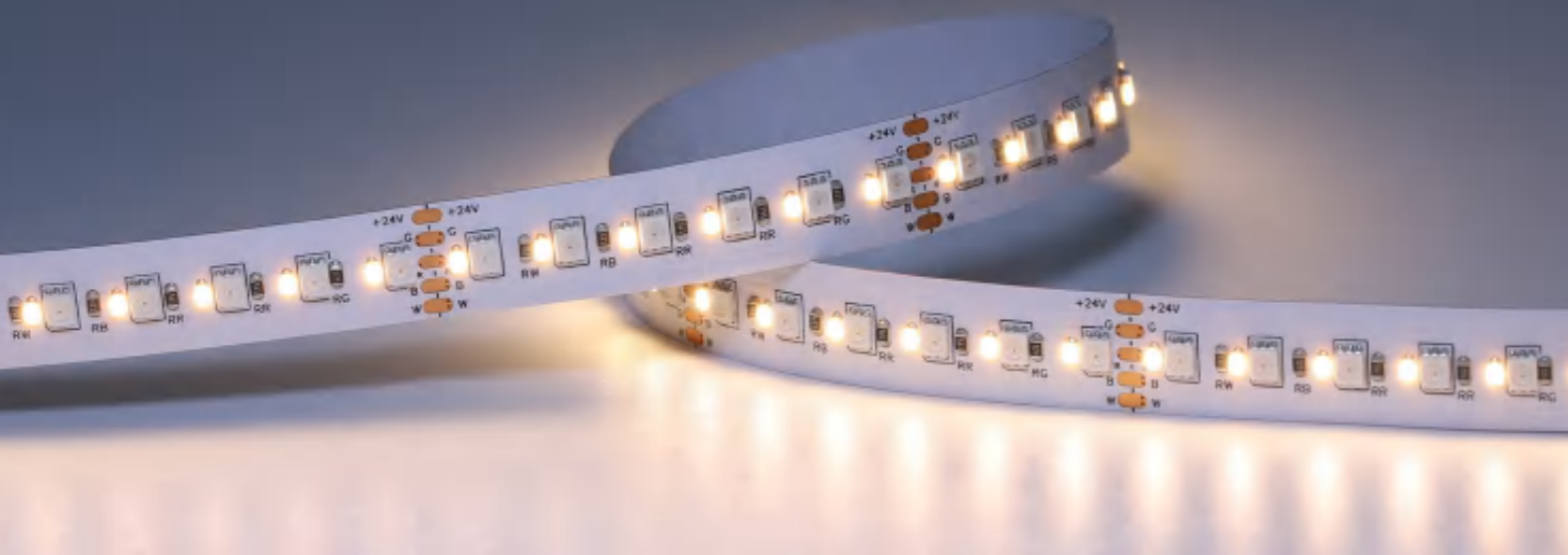
Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

2835 RGB	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	IP
	CLT-W2NF24180T09-0A20	12W	6	R	610-630	50	/	/	20 (54/66/67)
				G	515-525	180	/	/	
				B	460-470	30	/	/	
				RGB	/	250	/	/	

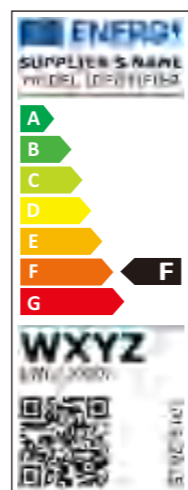
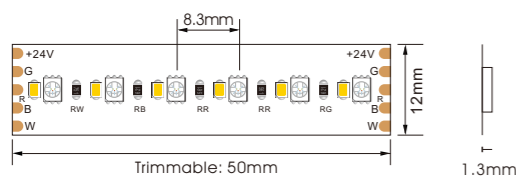


20W 240LED/m 24V RGB+W

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

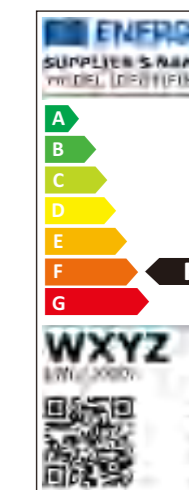
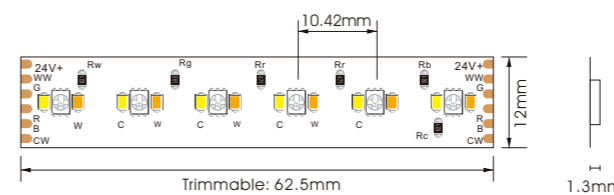
Part No. CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 +2216 RGB +W	20W	10	R	610-630	60	>80/>0	F	<5
			G	515-525	190	>80/>0		
			B	460-470	35	>80/>0		
			W(3000K)	/	210	>80/>0		
			RGBW	/	475	>80/>0		

24W 288LED/m 24V RGB+WW

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

Part No. CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
2835 +2216 RGB +WW	24W	12	R	618-625	69	>80/>0	F	<5
			G	518-522	185	>80/>0		
			B	462-468	39	>80/>0		
			W(2400K)	/	195	>80/>0		
			W(6500K)	/	217	>80/>0		
			RGBWW	/	684	>80/>0		

Application scenarios

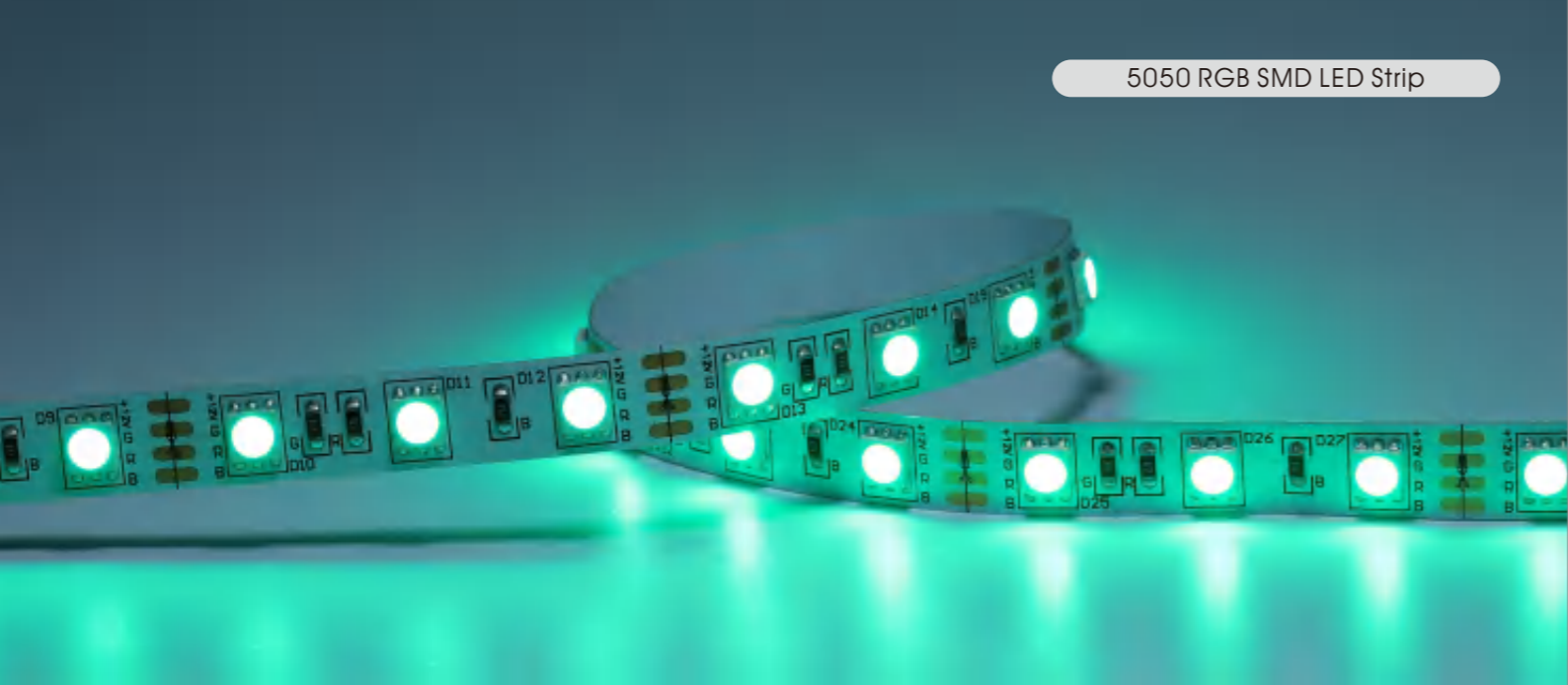















5050 RGB SMD LED STRIP

- 60LED/m 12V RGB ◀
- 60LED/m 24V RGB ◀
- 60LED/m 24V 4in1 ◀
- 60LED/m 24V 5in1 ◀



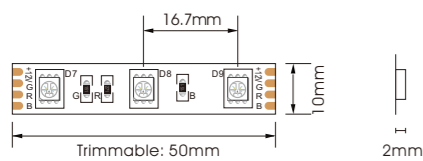


60LED/m 12V RGB

-  IP20
-  5050 LED
-  RGB
-  Max 120°
-  Dimmable
-  50mm Trimmable
-  60 LED CHIP
-  Power 14.4W
-  PCB Width 10mm
-  DC 12V
-  Standard Length 5m

Standards / Normative Requirements












- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

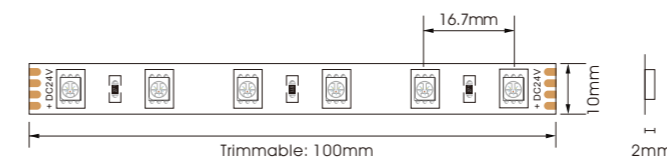
5050 RGB	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	IP
	CLT-W2NF12060T03-0A60	14.4	7.2	R	610-630	70	/	/	20 (54/66/67)
				G	515-525	140	/	/	
				B	460-470	33	/	/	
				RGB	/	240	/	/	

60LED/m 24V RGB

-  IP20
-  5050 LED
-  RGB
-  Max 120°
-  Dimmable
-  100mm Trimmable
-  60 LED CHIP
-  Power 14.4W
-  PCB Width 10mm
-  DC 24V
-  Standard Length 5m

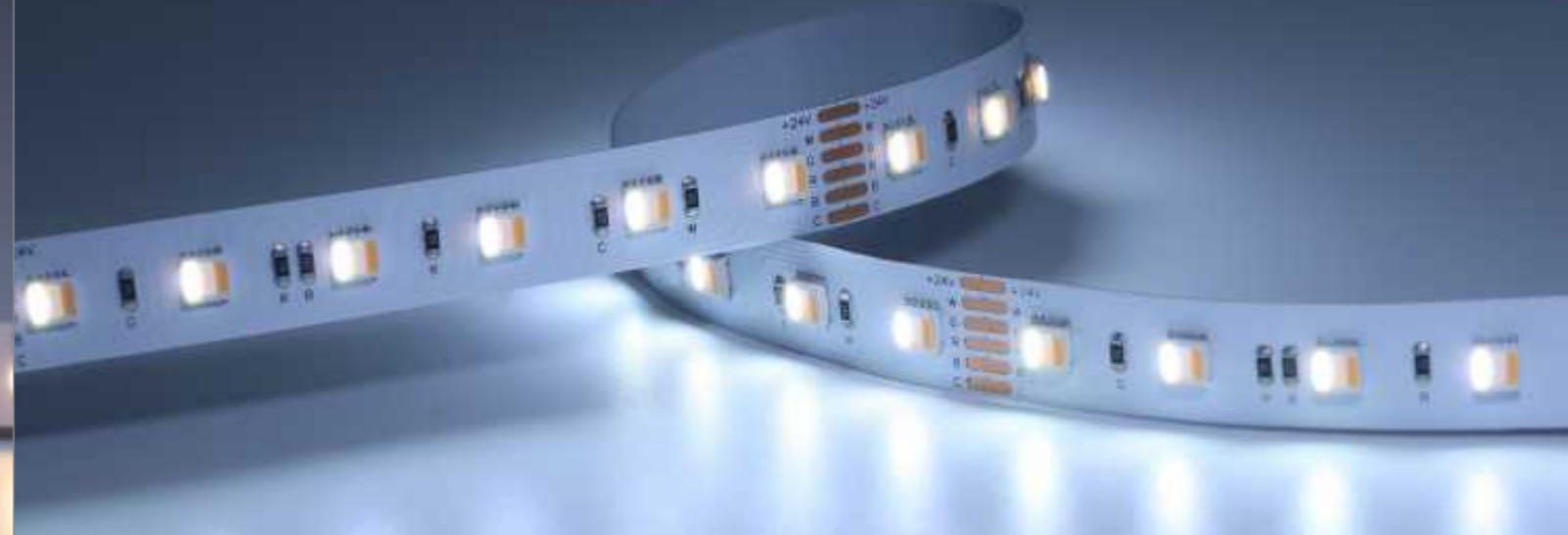
Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

5050 RGB	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	IP
	CLT-W2NF24060T03-0A60	14.4	7.2	R	610-630	65	/	/	20 (54/66/67)
				G	515-525	150	/	/	
				B	460-470	33	/	/	
				RGB	/	250	/	/	

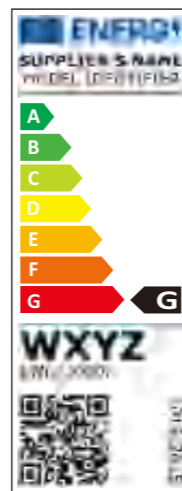
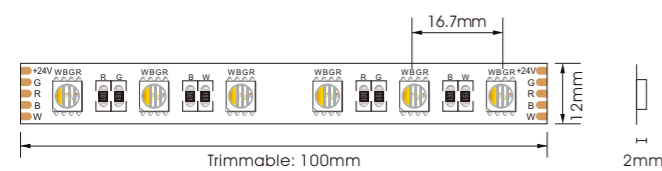


60LED/m 24V 4in1

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

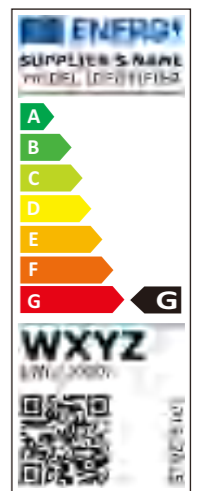
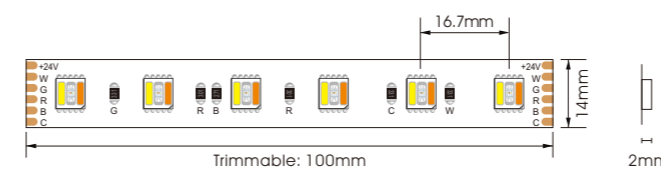
5050 RGB +W	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-IRNF24060T03-2A20	19.2	9.6	RGB+W(3000K)	/	432	>80/>0		<5
	CLT-DRNF24060T03-2A20	19.2	9.6	RGB+W(4000K)	/	432	>80/>0		<5
	CLT-WRNF24060T03-2A20	19.2	9.6	RGB+W(6000K)	/	451	>80/>0		<5

60LED/m 24V 5in1

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Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

5050 RGB +W +WW	Part No.CLT	Power (W/M)	Power (W/0.5M)	Colour	Wavelength (nm)	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
				R	610-630	65	>80/>0		
				G	515-525	150	>80/>0		
				B	460-470	33	>80/>0		
				W (2400K)	/	220	>80/>0		
				W (6500K)	/	190	>80/>0		
				RGB+W+WW	/	650	>80/>0		<5

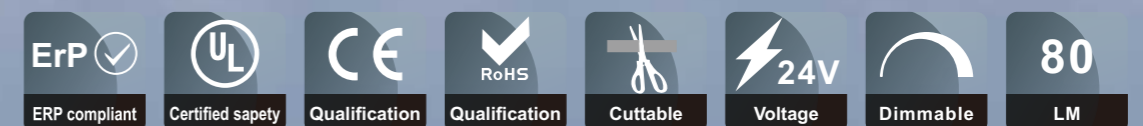
Application scenarios





WATERPROOF LED STRIP

- Xribbon 280LED/m 24V F ◀
- IP54 Silicon Glue G ◀
- IP54 Silicon Glue Extrusion G ◀
- IP66 Silicon Glue Extrusion Curve Shape G ◀
- IP66 Silicone Case G ◀
- IP66 Silicon Glue Extrusion Square Shape G ◀
- IP66 Dual Color Silicon Glue Extrusion G ◀
- IP67 Dual Color Silicon Glue solid square G ◀
- IP67 Silicone Extruded Solid Square G ◀

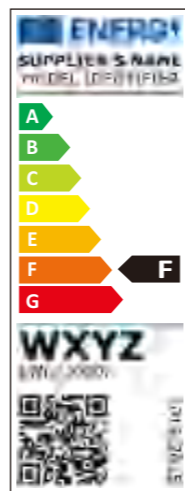
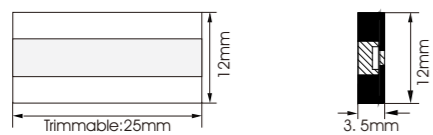




280LED/m 24V

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



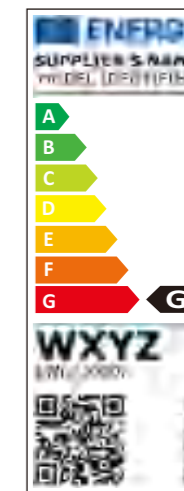
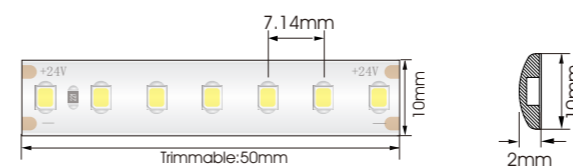
Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
Xribbon before	CLT-KNMF24280T00-0A29	14.4	7.2	2700	100	719	>90/>40	F	<5
	CLT-INMF24280T00-0A29	14.4	7.2	3000	100	719	>90/>40	F	<5
	CLT-DNMF24280T00-0A29	14.4	7.2	4000	113	813	>90/>40	F	<5
	CLT-WNMF24280T00-0A29	14.4	7.2	6000	113	813	>90/>40	F	<5

IP54 Silicon Glue

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

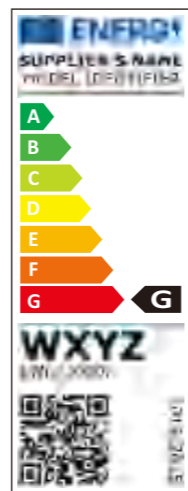
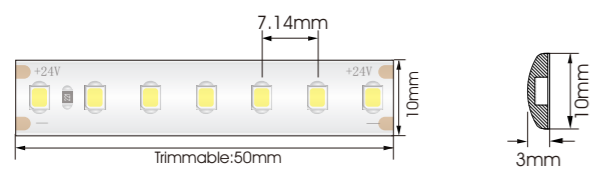
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
Waterproof After	CLT-KNWF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INWF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNWF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNWF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNWF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5



IP54 Silicon Glue Extrusion

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



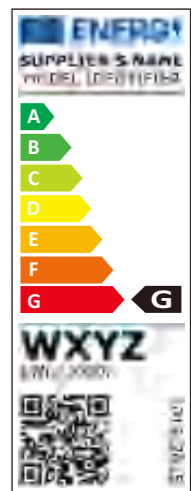
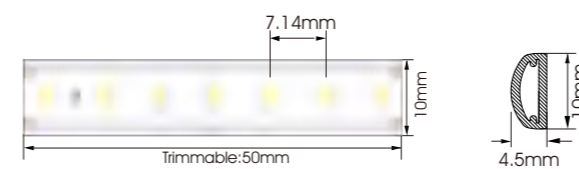
Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
Waterproof After	CLT-KNWF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INWF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNWF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNWF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNWF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5

IP66 Silicon Glue Extrusion Curve Shape

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

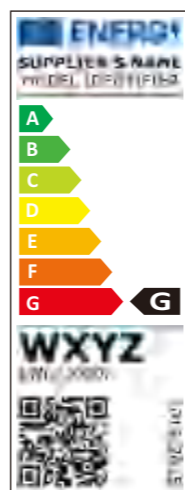
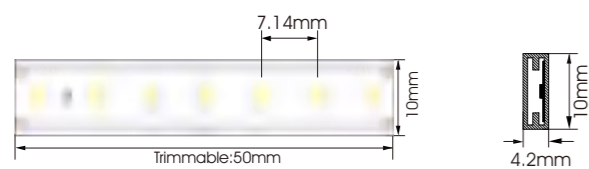
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
Waterproof After	CLT-KNHF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INHF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNHF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNHF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNHF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5



IP66 Silicone Case

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



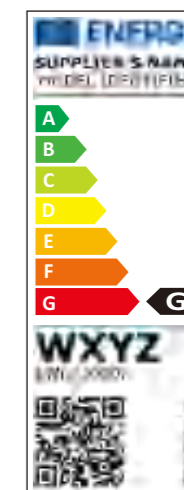
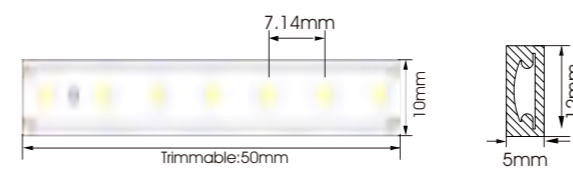
Product Parameters

Waterproof After	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNHF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INHF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNHF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNHF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNHF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5

IP66 Silicon Glue Extrusion Square Shape

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

Waterproof After	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNHF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INHF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNHF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNHF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNHF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5



IP66 Dual Color Silicon Glue Extrusion

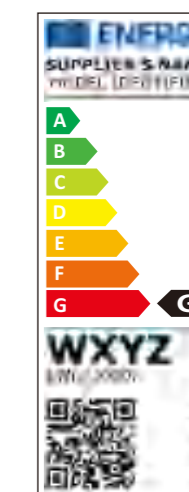
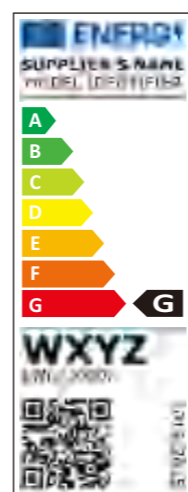
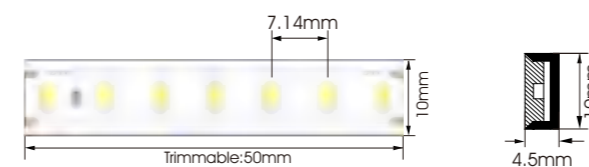
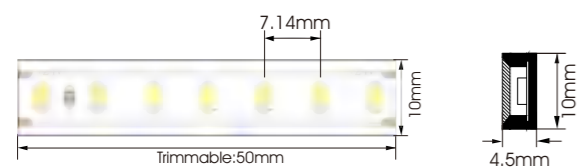
IP67 Dual Color Silicon Glue solid square

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

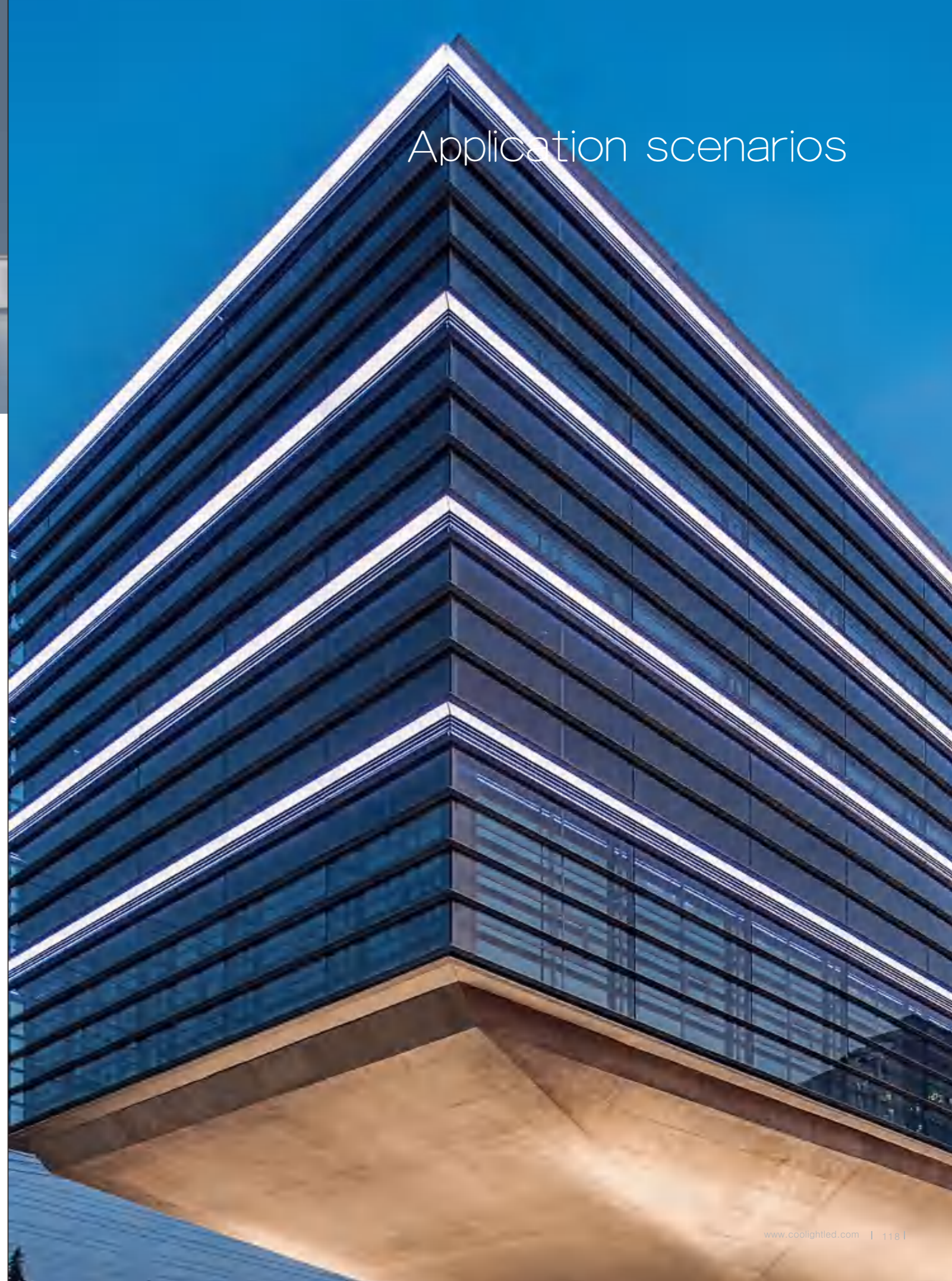
	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
Waterproof After	CLT-KNQF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INQF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNQF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNQF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNQF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5

Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
Waterproof After	CLT-KNSF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INSF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNSF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNSF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNSF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5



Application scenarios

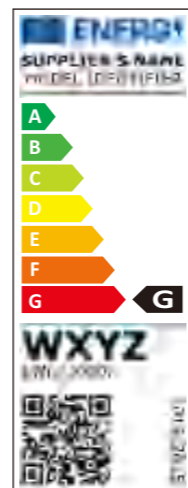
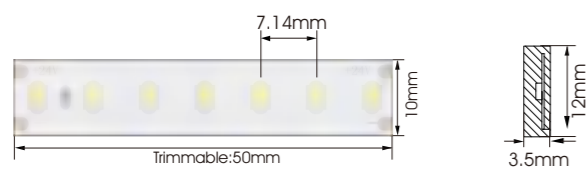


IP67 Silicone Extruded Solid Square

		2700K Ra90	TYP 120°
140 LED CHIP		3000K Ra90	Power 14.4W
PCB Width 10mm		4000K Ra90	DC 24V
Standard Length 5m		5000K Ra90	
		6000K Ra90	

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

	Part No. CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
Waterproof After	CLT-KNWF24140T09-0A39	14.4	7.2	2700	65	468	>90/>40	G	<5
	CLT-INWF24140T09-0A39	14.4	7.2	3000	70	504	>90/>40	G	<5
	CLT-DNWF24140T09-0A39	14.4	7.2	4000	75	540	>90/>40	G	<5
	CLT-FNWF24140T09-0A39	14.4	7.2	5000	83	598	>90/>40	G	<5
	CLT-WNWF24140T09-0A39	14.4	7.2	6000	83	598	>90/>40	G	<5



NEON LED STRIP

- 4x8mm Side View Neon Light G/F ◀
- 4x8mm T- shape Side View Neon Light G/F ◀
- 6.5x11mm Side View Neon Light G/F ◀
- 10x10mm Curve Top View Neon Light G/F ◀
- 10x10mm Square Top View Neon Light G/F ◀



ERP compliant	Certified safety	Qualification	Qualification	Cuttable	Voltage	Dimmable	LM



4x8mm Side View Neon Light

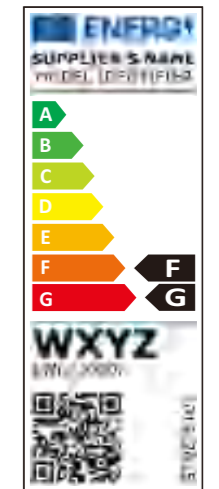
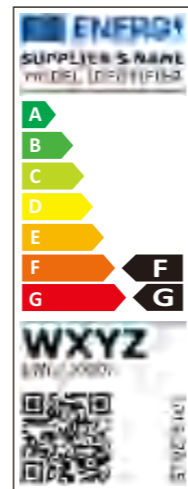
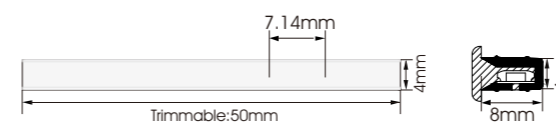
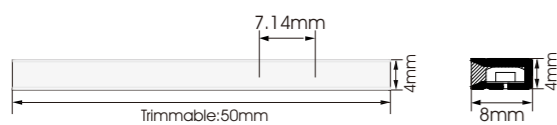
4x8mm T-shape Side View Neon Light

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

NEON Waterproof before	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNQF241 40T09-5A29	9.6	4.8	2700	82	588	>90/>40	G	<5
	CLT-INQF241 40T09-5A29	9.6	4.8	3000	84	607	>90/>40	G	<5
	CLT-DNQF241 40T09-5A29	9.6	4.8	4000	92	663	>90/>40	F	<5
	CLT-FNQF241 40T09-5A29	9.6	4.8	5000	92	663	>90/>40	F	<5

Product Parameters

NEON Waterproof before	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNQF241 40T09-5A29	9.6	4.8	2700	82	588	>90/>40	G	<5
	CLT-INQF241 40T09-5A29	9.6	4.8	3000	84	607	>90/>40	G	<5
	CLT-DNQF241 40T09-5A29	9.6	4.8	4000	92	663	>90/>40	F	<5
	CLT-FNQF241 40T09-5A29	9.6	4.8	5000	92	663	>90/>40	F	<5



6.5x11mm Side View Neon Light

2700K
Ra90

TYP
120°

140 LED
CHIP

3000K
Ra90

Power
14.4W

PCB Width
8mm

4000K
Ra90

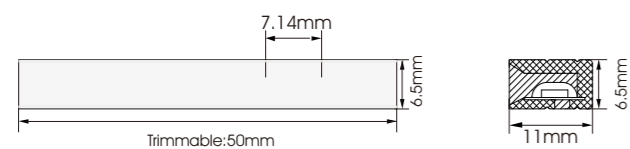
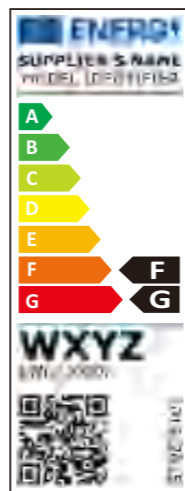
DC
24V

Standard
Length
5m

5000K
Ra90

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

NEON Waterproof before	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNQF24140T09-8A39	14.4	7.2	2700	82	588	>90/>40	G	<5
	CLT-INQF24140T09-8A39	14.4	7.2	3000	84	607	>90/>40	G	<5
	CLT-DNQF24140T09-8A39	14.4	7.2	4000	92	663	>90/>40	F	<5
	CLT-FNQF24140T09-8A39	14.4	7.2	5000	92	663	>90/>40	F	<5

10x10mm Curve Top View Neon Light

2700K
Ra90

TYP
120°

140 LED
CHIP

3000K
Ra90

Power
14.4W

PCB Width
8mm

4000K
Ra90

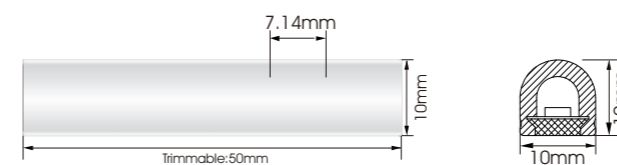
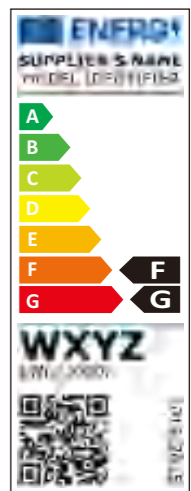
DC
24V

Standard
Length
5m

5000K
Ra90

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

NEON Waterproof before	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CR1/R9	Energy efficiency class	Colour consistency in McAdam ellipses
	CLT-KNHF24140T09-8A39	14.4	7.2	2700	82	588	>90/>40	G	<5
	CLT-INHF24140T09-8A39	14.4	7.2	3000	84	607	>90/>40	G	<5
	CLT-DNHF24140T09-8A39	14.4	7.2	4000	92	663	>90/>40	F	<5
	CLT-FNHF24140T09-8A39	14.4	7.2	5000	92	663	>90/>40	F	<5

Application scenarios

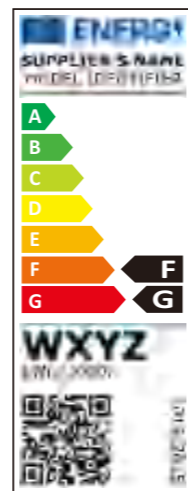
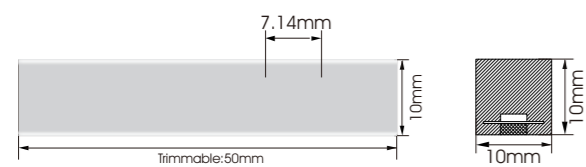


10x10mm Square Top View Neon Light

		2700K Ra90	TYP 120°		
140 LED CHIP	3000K Ra90	Power 14.4W			
PCB Width 8mm	4000K Ra90	DC 24V			
Standard Length 5m	5000K Ra90				

Standards / Normative Requirements

- Protection class : EN 60529
- Safety Requirements : EN 62031 IEC 60598-1
- EMC / radio disturbance characteristics : EN 55015
- ROHS : Yes
- CE : Yes



Product Parameters

	Part No.CLT	Power (W/M)	Power (W/0.5M)	CCT (K)	LM/W	LM/0.5M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses
NEON Waterproof before	CLT-KNQF24140T09-8A39	14.4	7.2	2700	82	588	>90/>40		<5
	CLT-INQF24140T09-8A39	14.4	7.2	3000	84	607	>90/>40		<5
	CLT-DNQF24140T09-8A39	14.4	7.2	4000	92	663	>90/>40		<5
	CLT-FNQF24140T09-8A39	14.4	7.2	5000	92	663	>90/>40		<5

COOLIGHT LED Strip Decode

CLU(T)(X) - ①① - ②② ③③ ④④④ T⑤⑤ - ⑥ ⑦ ⑧ ⑨
 I II III IV V VI VII VIII IX X

I: CLU represents COOLIGHT UL approved strip series; CLT represent COOLIGHT regular strip series

II: ①① represent LED CCT, If ①① is CN, means 7000K. WN: 6000-7000K EN: 5300-6000K FN: 4700-5300K LN: 4200-4700K DN: 3800-4200K MN: 3300-3800K IN: 2800-3300K KN: 2600-2800K NN: 2400-2600K SN: 2200-2400K ON: 1900-2200K PN: 1700-1900K BN: blue GN: Green YU: Yellow OU: Red W2: RGB AB: Amber QN: Pink (W: white mixed WR: white +RGB WW: double white +RGB, Exact CCT is to be showed in strip description)

III: ②② represent waterproof rate and pcb type, ②②= AX

- A=N: Non-waterproof, IP20
- A=W: Silicon glue, IP54
- A=T: Silicon tubing waterproof, IP65
- A=K: Silicone tube with glue filling
- A=P: Nano-Waterproof
- A=J: Extrusion tube Square shape, IP66
- A=H: Extrusion tube Curved shape / Neon led strip front view IP66
- A=S: Extrusion with Glue inside, IP67
- A=D: Silicon Glue Extrusion Waterproof, IP54
- A=M: Dual color Extrusion with glue inside, IP67
- A=Q: Dual color extrusion tube with silicon / Neon led strip side view, IP 66
- X=F: Flexible LED strip
- X=A: Aluminum profile rigid strip
- X=P: Rigid strip without dissipater

IV: ③③ represent working voltage of strip, If ③③ is 12, it means 12V DC, 24 means 24V DC

V: ④④④ represent LEDs quantity per meter, If ④④④ is 060, it means 60leds/meter, 120 means 120leds/meter

VI: T⑤⑤ represent type of LEDs, If ⑤⑤ is 02, it means 3528 LEDs, 02=3528 LEDs, 03= 5050 LEDs, 07= 3014LEDs Top view, 08=3014 LEDs Side view, 09= 2835LEDs, 10=2110 LEDs, 16= 2216 LEDs, 00= COB

VII: ⑥ represent width of pcb, If ⑥ is 0, it means 10mm, 2= 12mm, 3=13mm, 4= 14mm, 5= 5mm, 6= 6mm, 7= 7mm, 8= 8mm, 9= 9mm, A= 3mm, B= 4mm, C= 7.5mm, D=15mm, E= 19mm, F= 20mm, G= 30mm, H= 15.6mm, I= 11.5mm, J= 39mm, K=16mm, L=4.8mm, M= 8.5mm, N= 3.5mm

VIII: ⑦ represent rows of LEDs in pcb, If ⑦ is A, it means single row, B means double rows, C means triple rows, D means quadruple rows.

IX: ⑧ represent rated current of single LED, If ⑧ is 1, it means 10mA,

- 2= 11-20mA
- 3= 21-30mA
- 4= 31-40mA
- 5= 41-50mA
- 6= 51-60mA
- 7= 61-70mA
- 8= 71-80mA
- 9= 80-90mA

X: ⑨ represent Ra (CRI) of strip light, If ⑨ is 7, it means CRI 70,

- 8= CRI80
- 9= CRI90
- 5= CRI95
- 6= CRI97
- 0= No CRI Request /RGB

