

COOLiGHT

COOLiGHT

COOLiGHT
Lighting your life
Since 2006

Shenzhen Coolight Opt-Ele Co., Ltd

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2025 PRODUCT CATALOGUE

LIGHT *Has a* PURPOSE

Light has a purpose

2025 PRODUCT CATALOGUE

OVER 19 YEARS OF EXPERIENCE FOR LED LIGHT

The Light Of Love,Let You Enjoy Beautiful Life!



幸福之光
让生命体验美好



希望之树

COOLIGHT VISION

The Light Of Love, Let You Enjoy Beautiful Life!

COOLIGHT PASSION

- 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!

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COOLIGHT VALUE

Trust
Growth
Responsibility
Make constant
value
for customers

COMPANY PROFILE

What is COOLIGHT?

Shenzhen Coolight Opt-Ele Co.,Ltd. was established in 2006,the company's production and operation area of more than 10,000 square meters, more than 300 employees, annual production capacity of more than 12 million meters, has become the leading high-quality flexible LED strips manufacturer,integrating R&D, production and sales, products exported to Europe, America, Southeast Asia, the Middle East mainly more than 60 countries and regions.

Lighting innovation

COOLIGHT has passed ISO9001:2015,CE,ROHS,REACH,UL,ERP and other certifications,and have independently applied for more than 70 invention patents and utility model patents.In 2019, COOLIGHT LED packaging department was established.In 2021, the self-developed IP67 silicone waterproof LED strip "Xribbon" won the German Red Dot Award, and the turnover exceeded 200 million RMB.In 2022, the explosive LEADING CSP series was launched.In 2023,Launched the upgraded version of LEADING series-CSP PRO, which truly ushering in the era of IP20 LED strip without light spots. In 2024, Won the 2024 Top 100 Enterprises of Shenzhen Industry Leading Association.Established the headquarters in Shenzhen Bay Diamond Tower, Nanshan District, Shenzhen. At present, it is a national high-tech enterprise in China and a Specialized and Sophisticated enterprise in Guangdong Province.



Founder & Chairman

Dr. Mary Long



Honorary Doctorate, Lincoln University College
The leader in the new generation of entrepreneurs
The 4th World Outstanding Chinese Young Entrepreneur
Founder & Chairman of Shenzhen Coolight Optoelectronics Technology Co., Ltd
Founder & Chairman of Shenzhen Xingyue Player Culture Co., Ltd



Dear Valued Partners

It is with great honour that I have taken on the position of Chairman at COOLIGHT. We are a dynamic team with more than 19 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. Won the 2024 Top 100 Enterprises of Shenzhen Industry Leading Association. Established the headquarters in Shenzhen Bay Diamond Tower, Nanshan District, Shenzhen. 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 Chairman, 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 trust 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
Founder & Chairman



Development History



2006

COOLIGHT brand was founded by MARY Long in Hong Kong, China.



2008

Opened office in Shezhen, China.



2009

Passed ISO9001:2008, Set up a factory in Shenzhen, integrating R&D, production and sales.



2012

Debuted at Frankfurt, Germany, officially opening the road to foreign exhibitions.



2015

COOLIGHT flexible LED strip passed UL listed, become the largest manufacturer of 2216 flexible LED strip



2017

Established a reliability laboratory, bringing R&D innovation strength and quality assurance to a new level.



2018

Passed ISO9001:2015, released 2110 CRI>90 DUV±0.0033 R9>60 series flexible LED strips. Sales Volume exceeded RMB 100 million



2019

Established SMD LED packaged, became the first in the high-end LED strip export industry. Sales Volume exceeded RMB 150 million.



2020

ERP system was put into use, COOLIGHT's production and operation were systematic and modular.



2021

Xribbon X1 became the Red Dot Winner. Sales Volume exceeded RMB 200 million.



2022

Launched explosive products - LEADING CSP series, Leading the new wave of the industry.



2023

Launched the upgraded version of the Leading CSP series - CSP PRO, which truly opened the era of IP20 light strip without light spots.



2024

Won the 2024 Top 100 Enterprises of Shenzhen Industry Leading Association. Established the headquarters in Shenzhen Bay Diamond Tower, Nanshan District, Shenzhen.

GLOBAL SERVICE



60 + COUNTEIES

We export **100%** of our products to more than **60** countries and regions.
COOLIGHT is always looking to the future.
Quality and Service are the keys to ensuring a close relationship with all our customers.

Certificate & Patent

COOLIGHT was a national high-tech enterprise in China, which has passed ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, CE,ROHS,REACH,UL,ERP etc,and independently applied for more than 70 invention patents and utility model patents.

In 2021,the self-developed IP67 silicone waterproof LED strip "Xribbon" won the German Red Dot Design Award.

• High-tech enterprise certificate



• Red Dot Design Award



• Invention patent certificate



• Practical patent certificate



• Certification & Reporting



LEADING SERIES

CSP IP20 LED STRIP

10W CRI90 320LED/m IP20 F

10W CRI90 320LED/m IP20 CSP PRO G

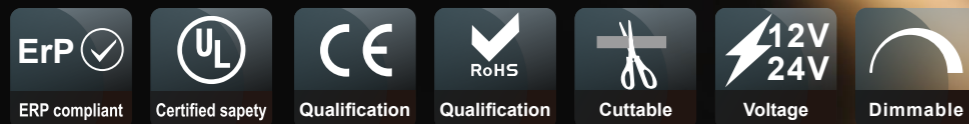
14.4W CRI90 480LED/m IP20 G/F

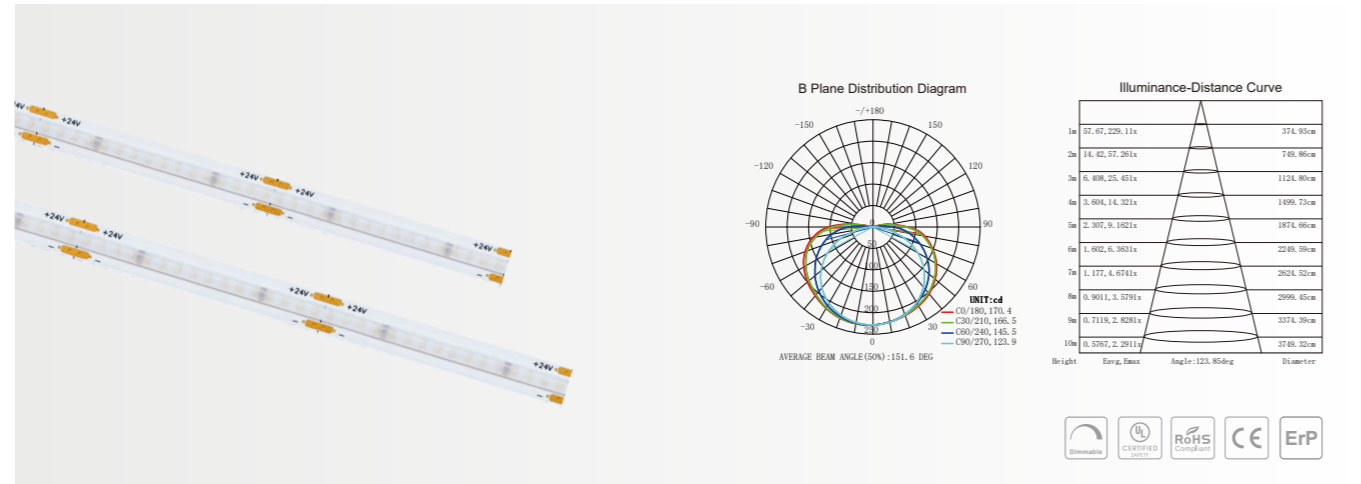
8W CRI90 CCT Tunable 512LED/m IP20 F

15W 540LED/m IP20 24V CSP RGB

10W 280LED/m IP20 CSP PRO R/G/B (single color)

12V CSP Mini Cut G

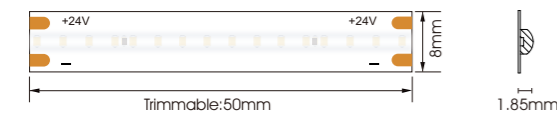




10W CRI90 320LED/m IP20 F

Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



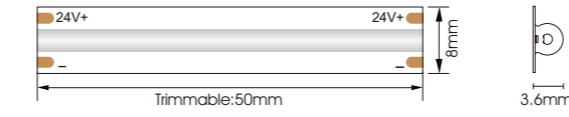
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24320T00-8A19	10	2700	97	970	>90/>40	F	< 3	20(54/66/67/68)
CLT-INNF24320T00-8A19	10	3000	100	1010	>90/>40	F	< 3	20(54/66/67/68)
CLT-DNNF24320T00-8A19	10	4000	103	1036	>90/>40	F	< 3	20(54/66/67/68)
CLT-WNNF24320T00-8A19	10	6500	103	1030	>90/>40	F	< 3	20(54/66/67/68)

10W CRI90 320LED/m IP20 CSP PRO G

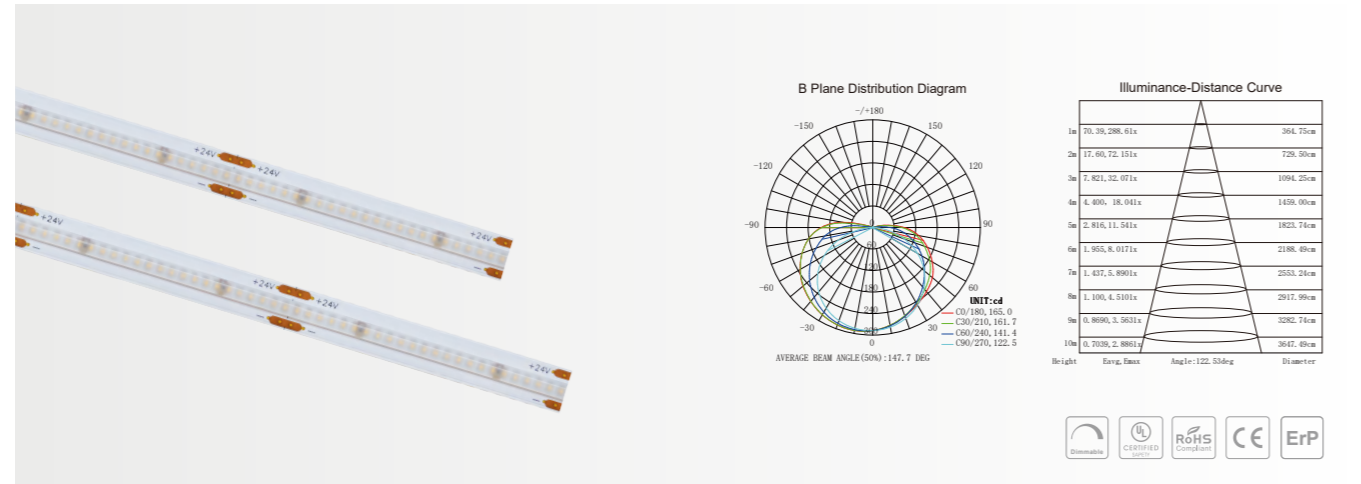
Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

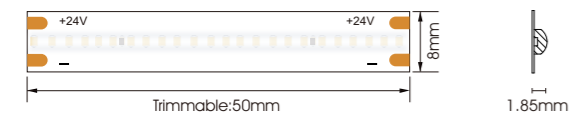
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24320T00-8A19	10	2700	78	780	>90/>40	G	< 5	20
CLT-INGF24320T00-8A19	10	3000	78	780	>90/>40	G	< 5	20
CLT-DNGF24320T00-8A19	10	4000	89	890	>90/>40	G	< 5	20
CLT-WNGF24320T00-8A19	10	6000	89	890	>90/>40	G	< 5	20



14.4W CRI90 480LED/m IP20 G/F

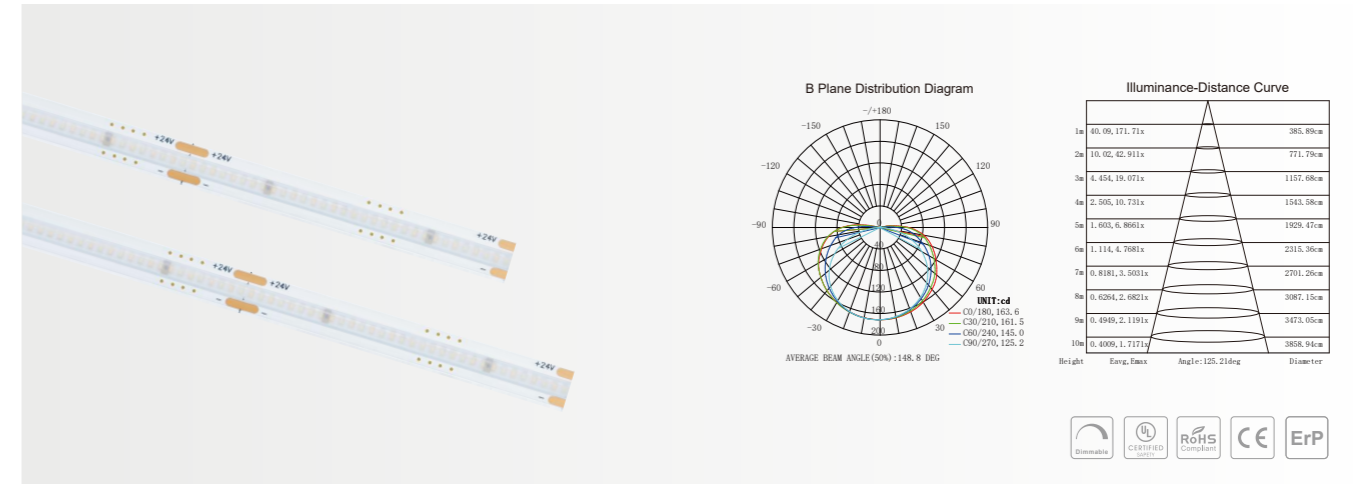
Electrical Data	
Light Beads	: CSP
Number Led/M	: 480pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

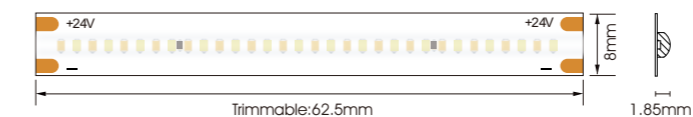
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24480T00-8A19	14.4	2700	90	1300	>90/>40	G	<3	20(54/66/67/68)
CLT-INNF24480T00-8A19	14.4	3000	92	1330	>90/>40	F	<3	20(54/66/67/68)
CLT-DNNF24480T00-8A19	14.4	4000	94	1360	>90/>40	F	<3	20(54/66/67/68)
CLT-WNNF24480T00-8A19	14.4	6500	93	1340	>90/>40	F	<3	20(54/66/67/68)



8W CRI90 CCT Tunable 512LED/m IP20 F

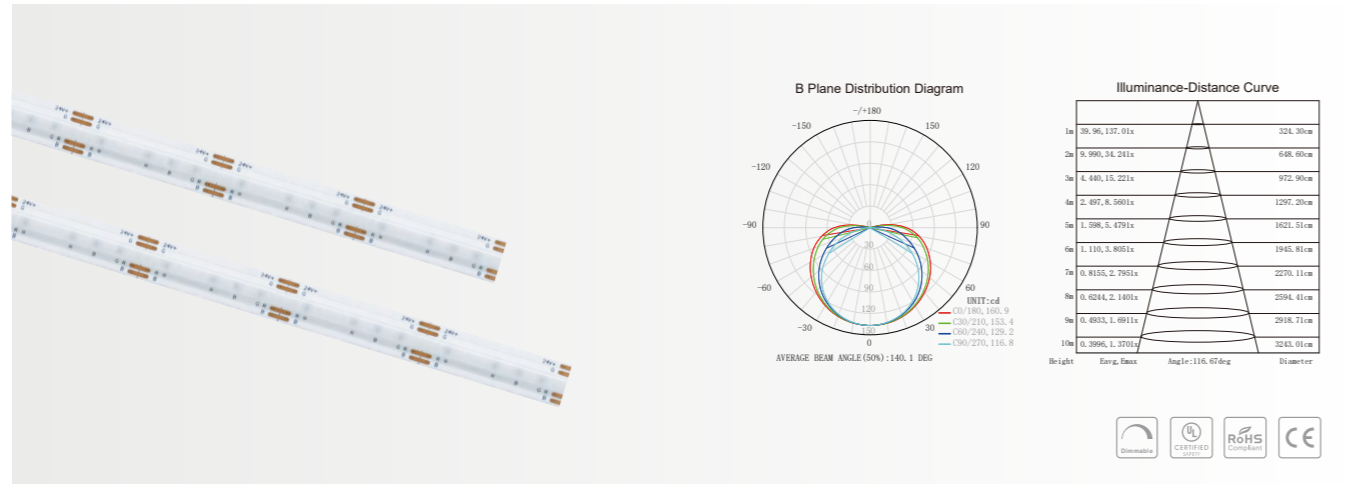
Electrical Data	
Light Beads	: CSP
Number Led/M	: 512pcs
Power W/m±10%	: 8W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 62.5mm

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

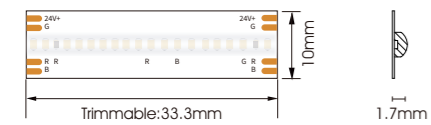
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-WINF24512T00-8A19	8	2700	97	780	>90/>40	F	<3	20(54/66/67/68)
	8	6500	100	800	>90/>40	F	<3	20(54/66/67/68)



15W 540LED/m IP20 24V CSP RGB

Electrical Data	
Light Beads	: CSP
Number Led/M	: 540pcs
Power W/m±10%	: 15W
Voltage	: 24V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 33.3mm

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



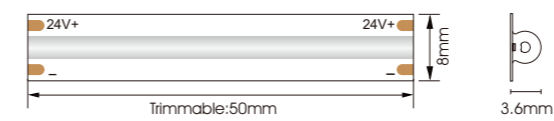
Product parameters

Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF24540T00-0A10	6	24	R	620-630	150	/	/	20
	4.5	24	G	520-530	340	/	/	20
	4.5	24	B	455-465	75	/	/	20
	15	24	RGB	/	550	/	/	20

10W 280LED/m IP20 24V CSP PRO R/G/B Single color

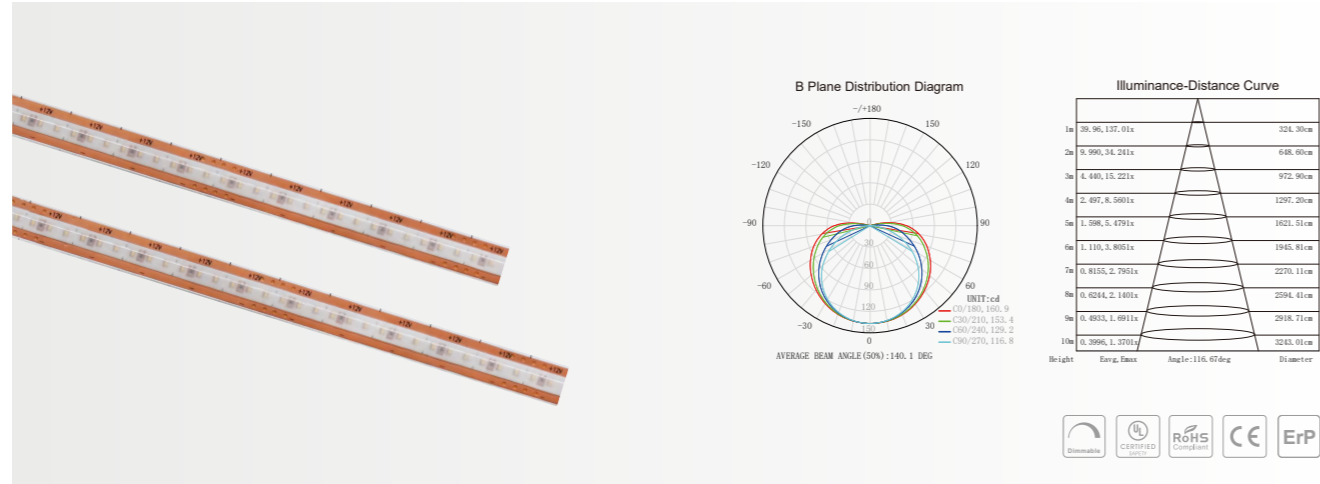
Electrical Data	
Light Beads	: CSP
Number Led/M	: 280pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

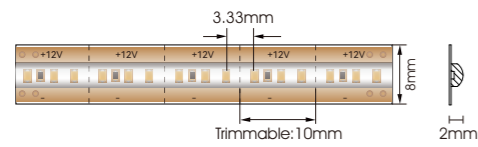
Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-OUGF24280T00-8A19	10	24	R	620-640	220	/	/	20
CLT-GNGF24280T00-8A19	10	24	G	515-525	840	/	/	20
CLT-BNG F24280T00-8A19	10	24	B	450-470	160	/	/	20



12V CSP Mini Cut G

Electrical Data	
Light Beads	: CSP
Number Led/M	: 300pcs
Power W/m±10%	: 6W
Voltage	: 12V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 10mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF12300T09-8A19	6	2700	67	402	>90/>40		≤ 3	20(54/66/67/68)
CLT-INNF12300T09-8A19	6	3000	70	420	>90/>40		≤ 3	20(54/66/67/68)
CLT-DNNF12300T09-8A19	6	4000	70	420	>90/>40		≤ 3	20(54/66/67/68)



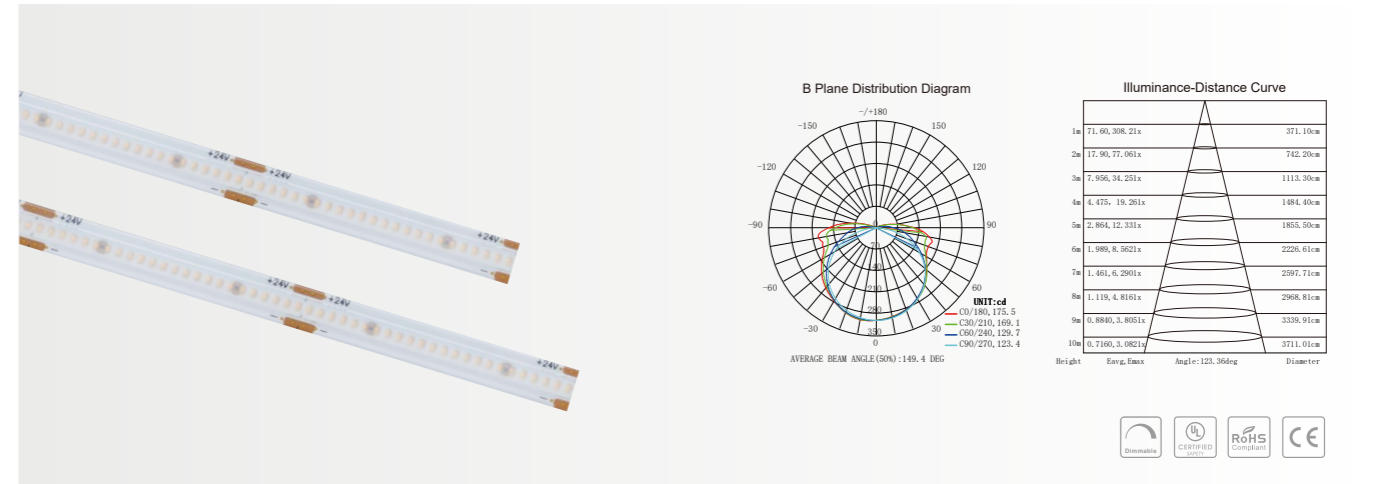
APPLICATION SCENARIOS

LEADING SERIES

CSP IP54 LED STRIP

10W CRI90 320LED/m IP54

14.4W CRI90 480LED/m IP54



10W CRI90 320LED/m IP54

Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



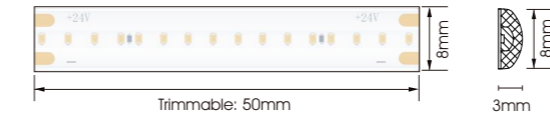
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNDF24320T00-8A19	10	2700	99	990	>90/>40	/	/	54(20/66/67/68)
CLT-INDF24320T00-8A19	10	3000	100	1000	>90/>40	/	/	54(20/66/67/68)
CLT-DNDF24320T00-8A19	10	4000	98	980	>90/>40	/	/	54(20/66/67/68)
CLT-WNDF24320T00-8A19	10	6500	101	1010	>90/>40	/	/	54(20/66/67/68)

14.4W CRI90 480LED/m IP54

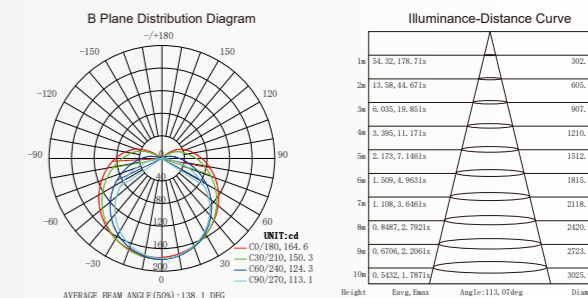
Electrical Data	
Light Beads	: CSP
Number Led/M	: 480pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

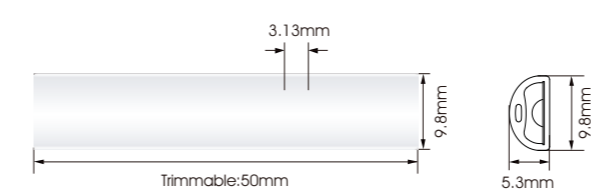
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNDF24480T00-8A19	14.4	2700	91	1320	>90/>40	/	/	54(20/66/67/68)
CLT-INDF24480T00-8A19	14.4	3000	92	1330	>90/>40	/	/	54(20/66/67/68)
CLT-DNDF24480T00-8A19	14.4	4000	92	1325	>90/>40	/	/	54(20/66/67/68)
CLT-WNDF24480T00-8A19	14.4	6000	92	1330	>90/>40	/	/	54(20/66/67/68)



CSP Curve Top View Neon Light

Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m ± 10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



LEADING SERIES

CSP IP66 LED STRIP

CSP Curve Top View Neon Light

Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNHF24320T00-8A19	10	2700	82	820	>90/>40	/	/	66
CLT-INHF24320T00-8A19	10	3000	86	860	>90/>40	/	/	66
CLT-DNHF24320T00-8A19	10	4000	84	840	>90/>40	/	/	66
CLT-WNHF24320T00-8A19	10	6500	82	820	>90/>40	/	/	66

LEADING SERIES

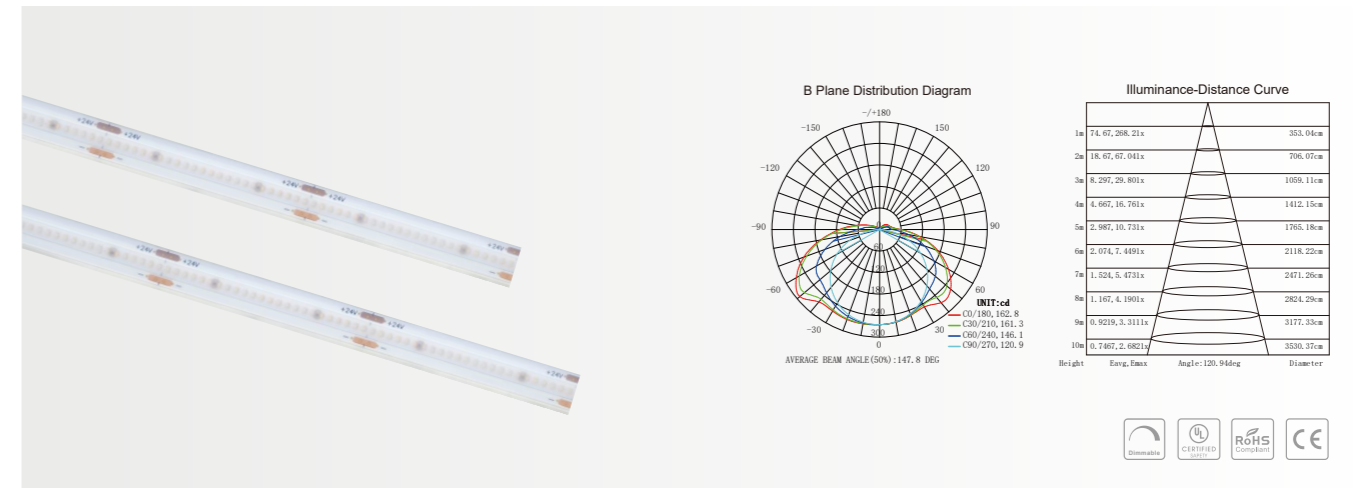
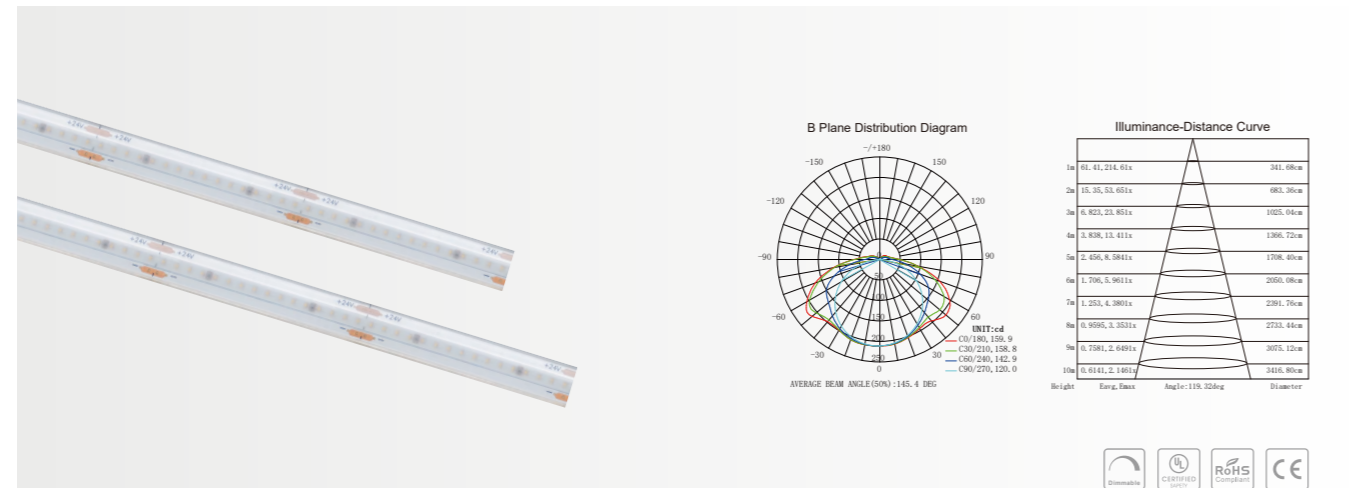
CSP IP68 LED STRIP

10W CRI90 320LED/m IP68

14.4W CRI90 480LED/m IP68

15W 540LED/m IP68 24V CSP RGB





10W CRI90 320LED/m IP68

Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

Product Accessories		
Part No.CTL	Name	Physical Drawing
103305102008	Direct cable end cap	
103305101069	Direct cable end cap	
103305102013	Sealing end cap	
103305101068	Sealing end cap	
103405102001	Silicon clip	
101101101077	Aluminum clip	
101101101076	Aluminum channel	

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

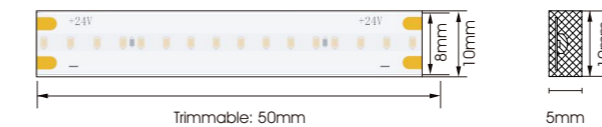
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNSF24320T00-8A19	10	2700	96	960	>90/>40	/	/	68(20/54/66/67)
CLT-INSF24320T00-8A19	10	3000	99	990	>90/>40	/	/	68(20/54/66/67)
CLT-DNSF24320T00-8A19	10	4000	98	980	>90/>40	/	/	68(20/54/66/67)
CLT-WNSF24320T00-8A19	10	6500	99	990	>90/>40	/	/	68(20/54/66/67)

14.4W CRI90 480LED/m IP68

Electrical Data	
Light Beads	: CSP
Number Led/M	: 480pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

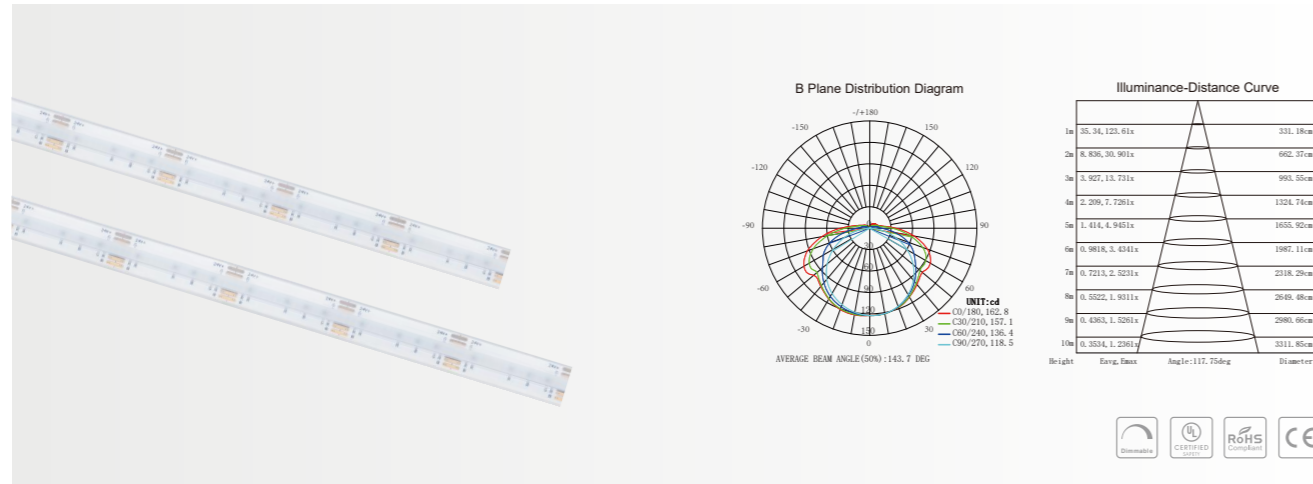
Product Accessories		
Part No.CTL	Name	Physical Drawing
103305102008	Direct cable end cap	
103305101069	Direct cable end cap	
103305102013	Sealing end cap	
103305101068	Sealing end cap	
103405102001	Silicon clip	
101101101077	Aluminum clip	
101101101076	Aluminum channel	

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNSF24480T00-8A19	14.4	2700	90	1300	>90/>40	/	/	68(20/54/66/67)
CLT-INSF24480T00-8A19	14.4	3000	92	1330	>90/>40	/	/	68(20/54/66/67)
CLT-DNSF24480T00-8A19	14.4	4000	91	1320	>90/>40	/	/	68(20/54/66/67)
CLT-WNSF24480T00-8A19	14.4	6000	92	1330	>90/>40	/	/	68(20/54/66/67)

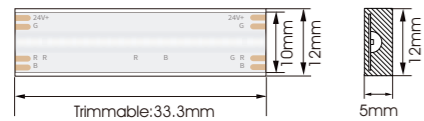


15W 540LED/m IP68 24V CSP RGB

Electrical Data	
Light Beads	: CSP
Number Led/M	: 540pcs
Power W/m±10%	: 15W
Voltage	: 24V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 33.3mm

Product Accessories		
Part No.CTL	Name	Physical Drawing
103305102001	Direct cable end cap	
103305101001	Sealing end cap	
103405102002	Silicon clip	

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.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2SF24540T00-0A20	6	24	R	620-630	145	/	/	68
	4.5	24	G	520-530	335	/	/	68
	4.5	24	B	455-465	70	/	/	68
	15	24	RGB	/	545	/	/	68

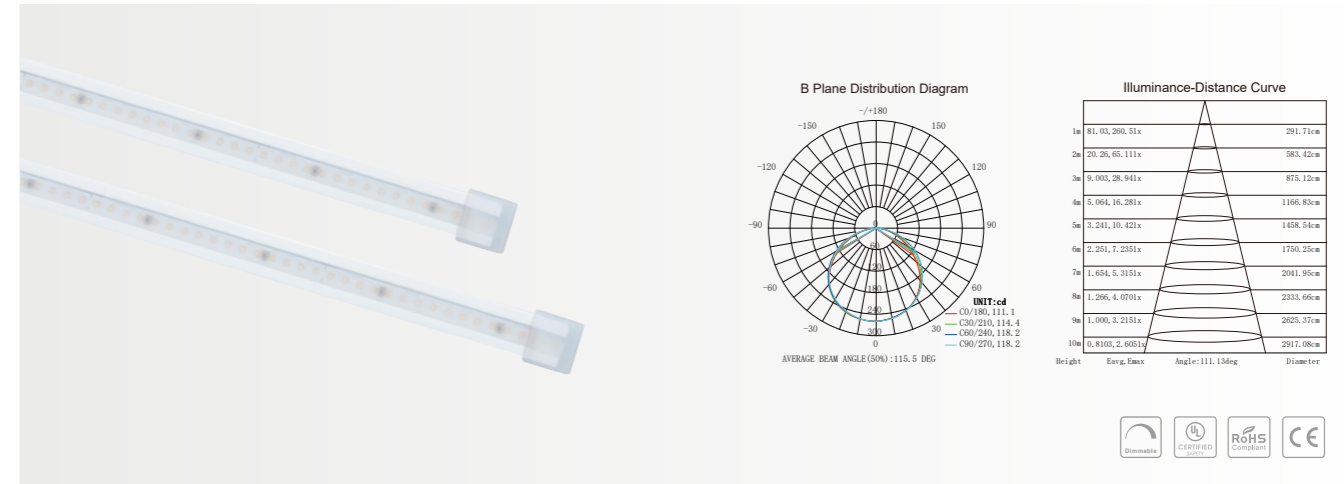
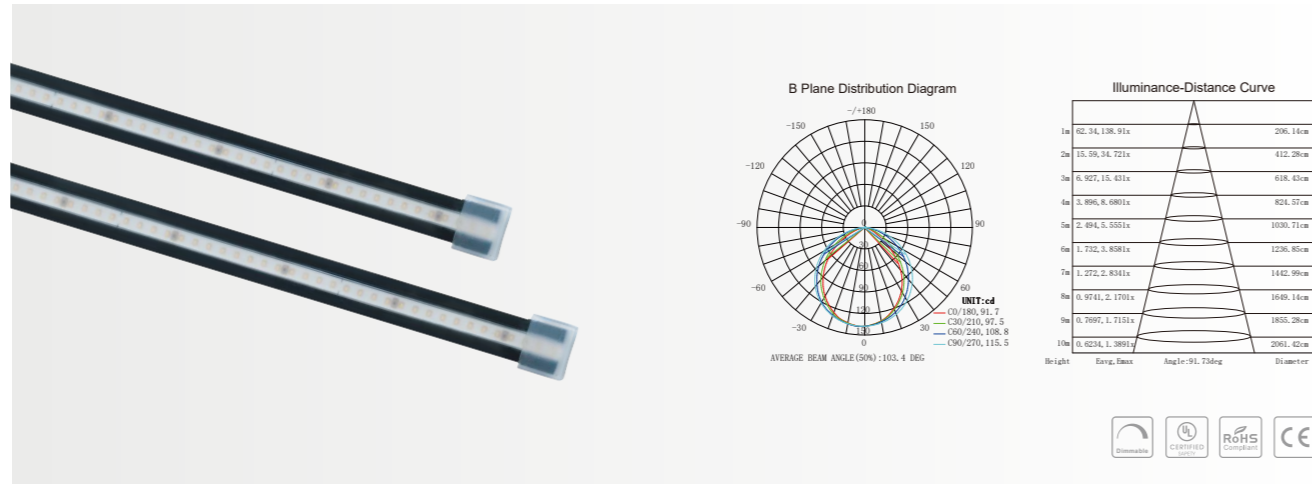


LEADING SIRIUS

CSP XRIBBON IP68 LED STRIP

10W CRI90 320LED/M IP68



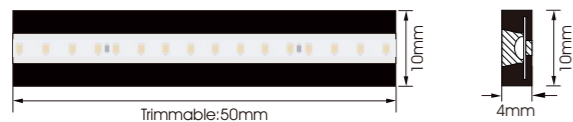


10W CRI90 320LED/m IP68

Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

Product Accessories		
Part No.CTL	Name	Physical Drawing
103305102008	Direct cable end cap	
03305101079	Direct cable end cap	
103305102013	Sealing end cap	
103305101080	Sealing end cap	
103405102001	Silicon clip	
101101101077	Aluminum clip	
101101101076	Aluminum channel	

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

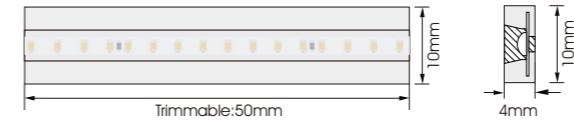
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNMF24320T00-8A19	10	2700	30	300	>90/>40	/	/	68
CLT-INMF24320T00-8A19	10	3000	34	340	>90/>40	/	/	68
CLT-DNMF24320T00-8A19	10	4000	32	320	>90/>40	/	/	68
CLT-WNMF24320T00-8A19	10	6500	31	310	>90/>40	/	/	68

10W CRI90 320LED/m IP68

Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

Product Accessories		
Part No.CTL	Name	Physical Drawing
103305102008	Direct cable end cap	
03305101079	Direct cable end cap	
103305102013	Sealing end cap	
103305101080	Sealing end cap	
103405102001	Silicon clip	
101101101077	Aluminum clip	
101101101076	Aluminum channel	

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNMF24320T00-8A19	10	2700	60	600	>90/>40	/	/	68
CLT-INMF24320T00-8A19	10	3000	66	660	>90/>40	/	/	68
CLT-DNMF24320T00-8A19	10	4000	62	620	>90/>40	/	/	68
CLT-WNMF24320T00-8A19	10	6000	61	610	>90/>40	/	/	68



APPLICATION SCENARIOS

1612 SERIES LED STRIP

9.6W CRI80 280LED/m IP20 F (Ultra-narrow)

9.6W CRI80 280LED/m IP20 F

9.6W CRI80 364LED/m IP20 F

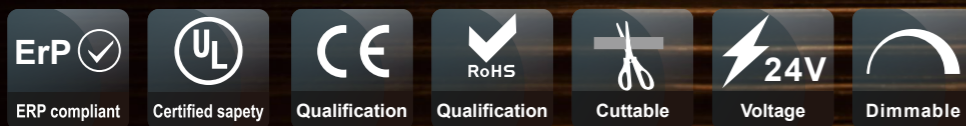
19.2W CRI80 364LED/m IP20 F

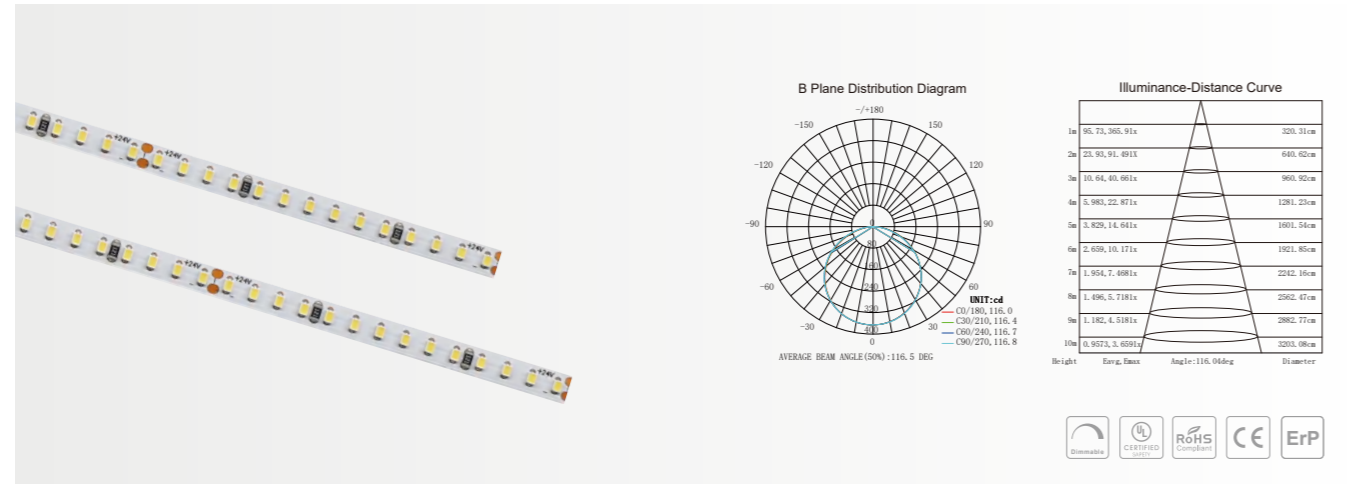
19.2W CRI80 560LED/m IP20 F

19.2W CRI80 CCT Tunable 560LED/m IP20 F

15W 540LED/m 24V RGB

20W 720LED/m 24V RGB

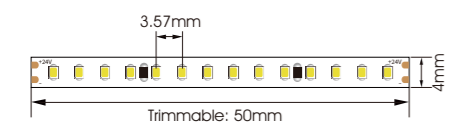




9.6W CRI80 280LED/m IP20 F Ultra-narrow

Electrical Data	
Light Beads	: 1612
Number Led/M	: 280pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 4mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

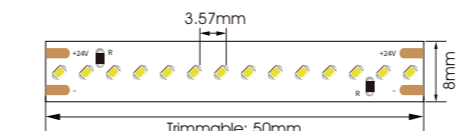
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24280T12-BA28	9.6	2700	105	1005	>80/>0	F	<6	20(54/66/67)
CLT-INNF24280T12-BA28	9.6	3000	108	1035	>80/>0	F	<6	20(54/66/67)
CLT-DNNF24280T12-BA28	9.6	4000	112	1075	>80/>0	F	<6	20(54/66/67)
CLT-WNNF24280T12-BA28	9.6	6500	112	1075	>80/>0	F	<6	20(54/66/67)



9.6W CRI80 280LED/m IP20 F

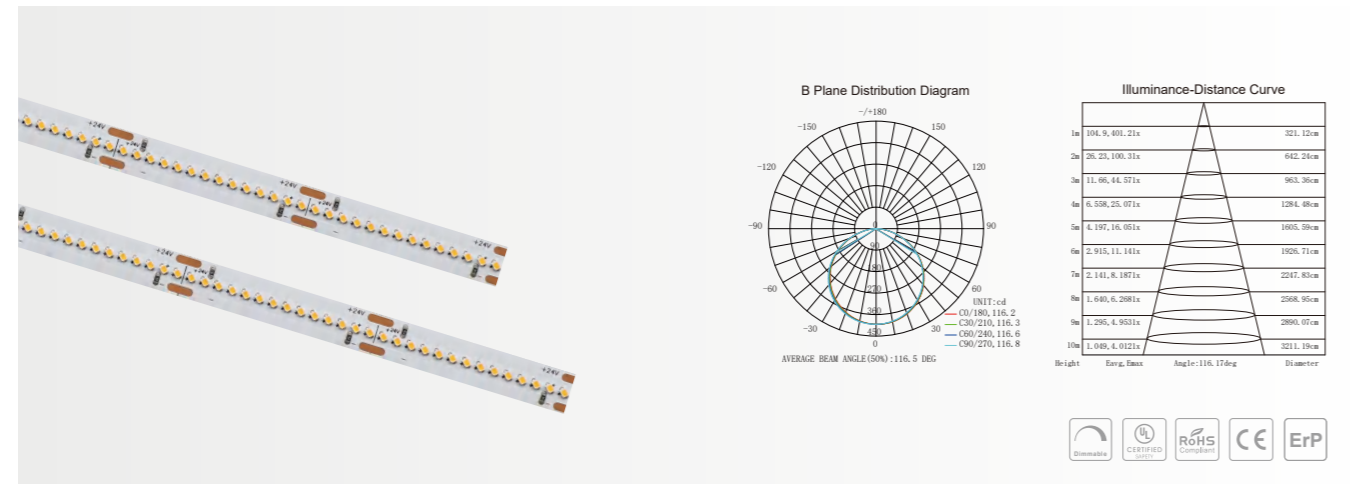
Electrical Data	
Light Beads	: 1612
Number Led/M	: 280pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

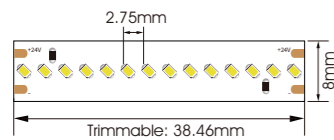
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24280T12-8A28	9.6	2700	105	1005	>80/>0	F	<6	20(54/66/67)
CLT-INNF24280T12-8A28	9.6	3000	108	1035	>80/>0	F	<6	20(54/66/67)
CLT-DNNF24280T12-8A28	9.6	4000	112	1075	>80/>0	F	<6	20(54/66/67)
CLT-WNNF24280T12-8A28	9.6	6500	112	1075	>80/>0	F	<6	20(54/66/67)



9.6W CRI80 364LED/m IP20 F

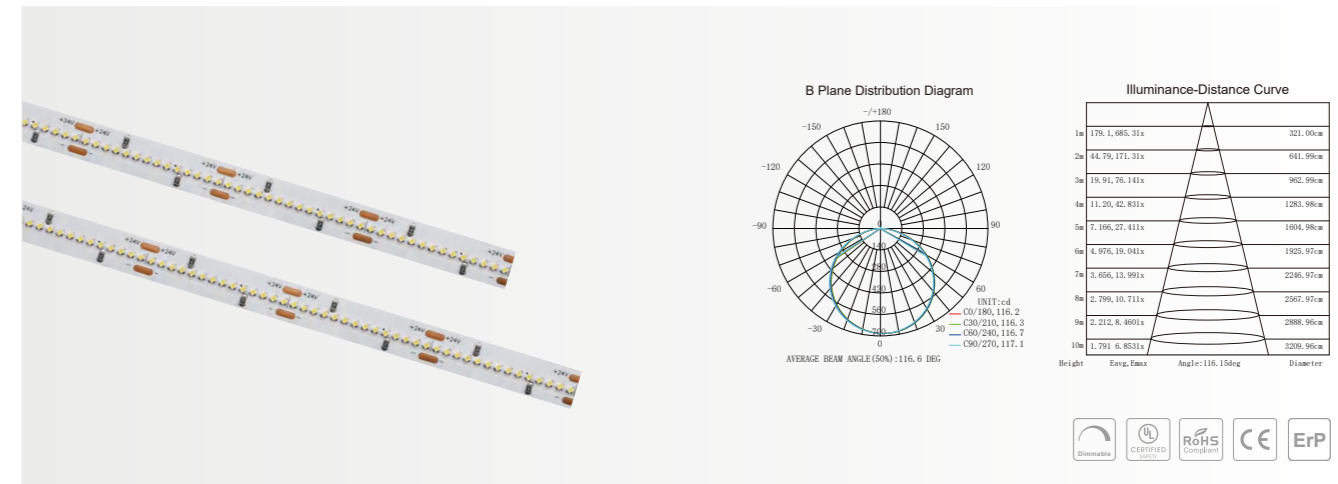
Electrical Data	
Light Beads	: 1612
Number Led/M	: 364pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 38.46mm

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

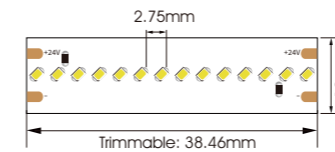
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24364T12-8A28	9.6	2700	102	980	>80/>0	F	<6	20(54/66/67)
CLT-INNF24364T12-8A28	9.6	3000	105	1005	>80/>0	F	<6	20(54/66/67)
CLT-DNNF24364T12-8A28	9.6	4000	110	1055	>80/>0	F	<6	20(54/66/67)
CLT-WNNF24364T12-8A28	9.6	6500	110	1055	>80/>0	F	<6	20(54/66/67)



19.2W CRI80 364LED/m IP20 F

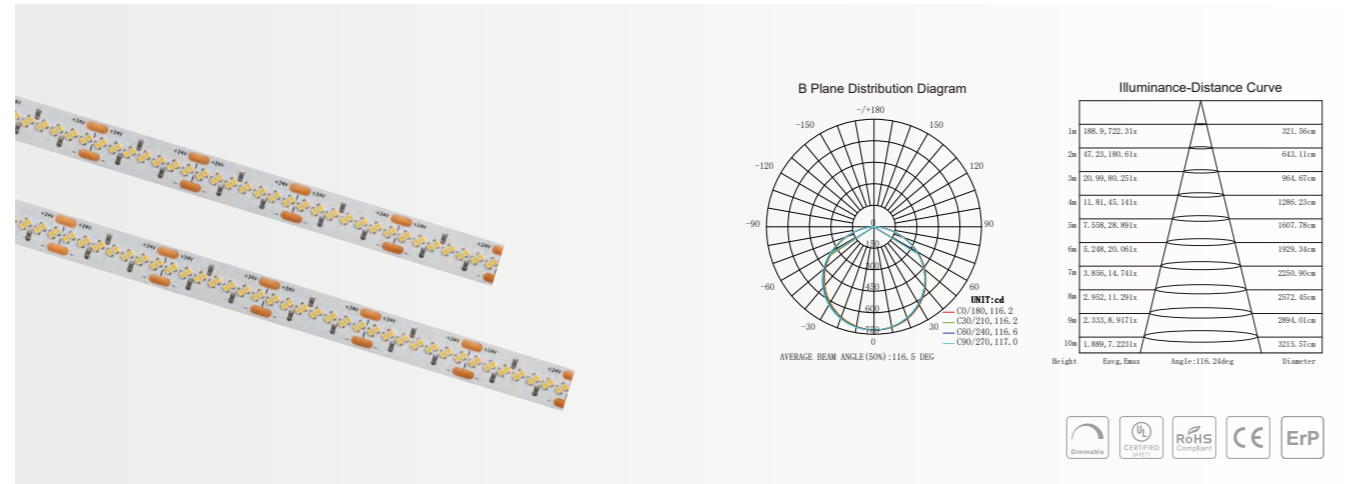
Electrical Data	
Light Beads	: 1612
Number Led/M	: 364pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 38.46mm

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

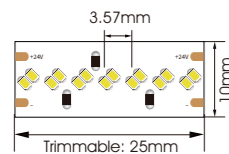
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24364T12-0A38	19.2	2700	99	1900	>80/>0	F	<6	20(54/66/67)
CLT-INNF24364T12-0A38	19.2	3000	102	1955	>80/>0	F	<6	20(54/66/67)
CLT-DNNF24364T12-0A38	19.2	4000	105	2015	>80/>0	F	<6	20(54/66/67)
CLT-WNNF24364T12-0A38	19.2	6500	105	2015	>80/>0	F	<6	20(54/66/67)



19.2W CRI80 560LED/m IP20 F

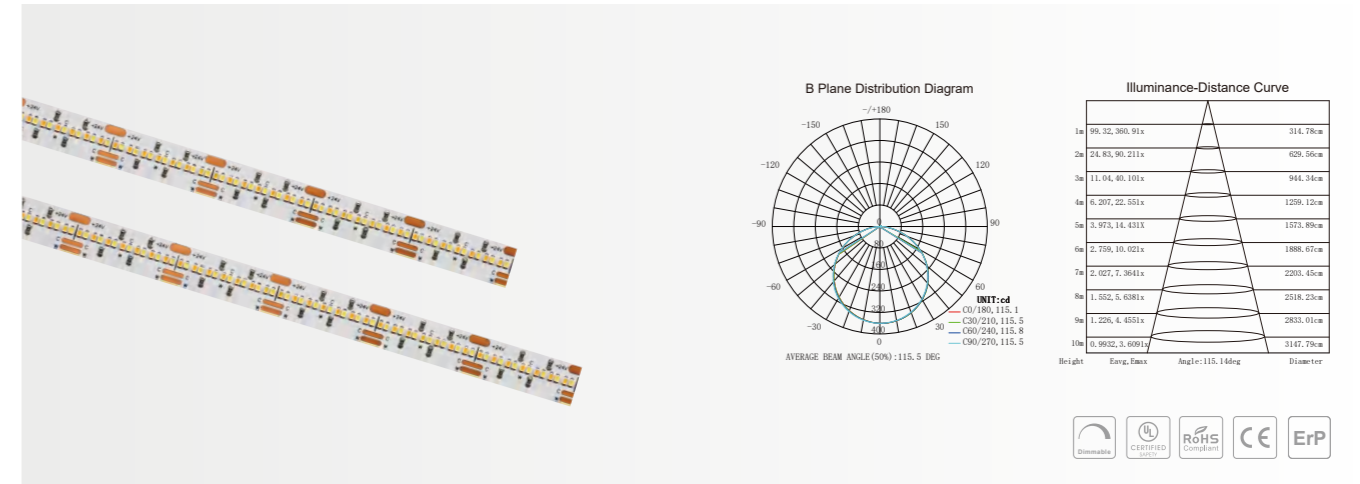
Electrical Data	
Light Beads	: 1612
Number Led/M	: 560pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

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

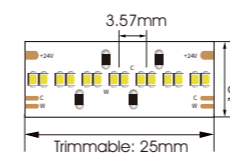
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24560T12-0A28	19.2	2700	105	2015	>80/>0	F	<6	20(54/66/67)
CLT-INNF24560T12-0A28	19.2	3000	108	2070	>80/>0	F	<6	20(54/66/67)
CLT-DNNF24560T12-0A28	19.2	4000	117	2245	>80/>0	F	<6	20(54/66/67)
CLT-WNNF24560T12-0A28	19.2	6500	117	2245	>80/>0	F	<6	20(54/66/67)



19.2W CRI80 CCT Tunable 560LED/m IP20 F

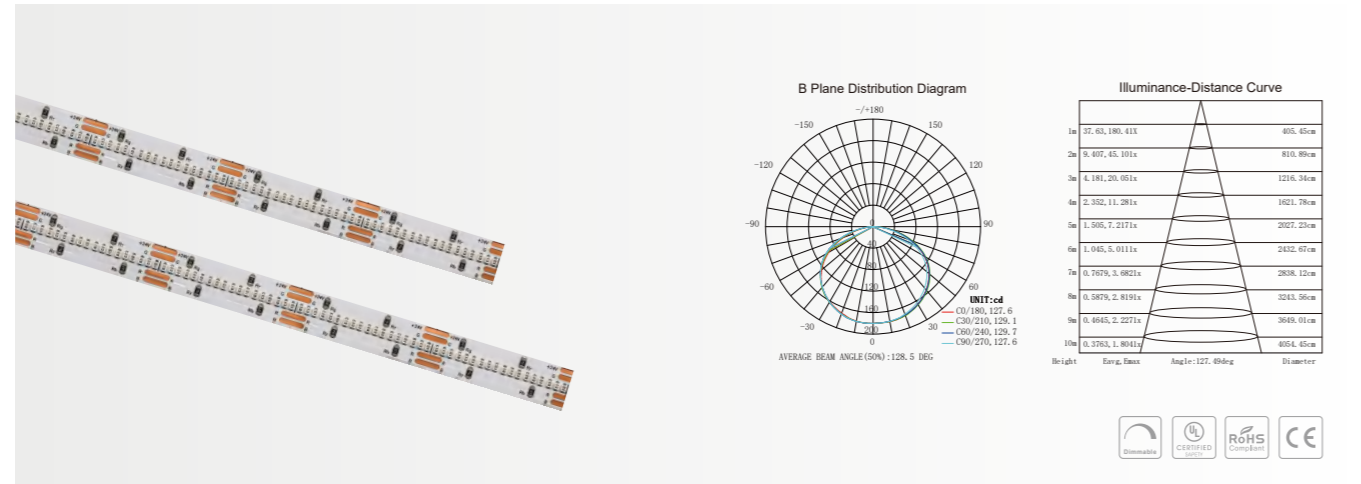
Electrical Data	
Light Beads	: 1612
Number Led/M	: 560pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

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

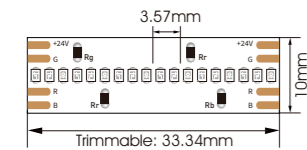
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-WINF24560T12-0A18	9.6	2700	106	1015	>80/>0	F	<6	20(54/66/67)
	9.6	6000	108	1035	>80/>0	F	<6	20(54/66/67)
	19.2	2700+6500	105	2015	>80/>0	F	<6	20(54/66/67)



15W 540LED/m 24V RGB

Electrical Data	
Light Beads	: 1612
Number Led/M	: 540pcs
Power W/m±10%	: 15W
Voltage	: 24V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 33.34mm

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



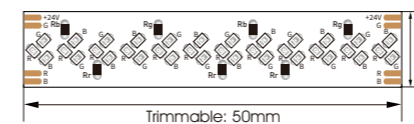
Product parameters

Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF24540T12-0A20	6	24	R	625-635	120	/	/	20(54/66/67)
	4.5	24	G	520-530	400	/	/	20(54/66/67)
	4.5	24	B	455-465	70	/	/	20(54/66/67)
	15	24	RGB	/	570	/	/	20(54/66/67)

20W 720LED/m 24V RGB

Electrical Data	
Light Beads	: 1612
Number Led/M	: 720pcs
Power W/m±10%	: 20W
Voltage	: 24V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF24720T12-0A50	8	24	R	625-635	160	/	/	20(54/66/67)
	6	24	G	520-530	500	/	/	20(54/66/67)
	6	24	B	455-465	90	/	/	20(54/66/67)
	20	24	RGB	/	680	/	/	20(54/66/67)



APPLICATION SCENARIOS

BEYOND SERIES

COB LED STRIP

10W CRI90 320LED/m IP20 G

10W CRI90 480LED/m IP20 G

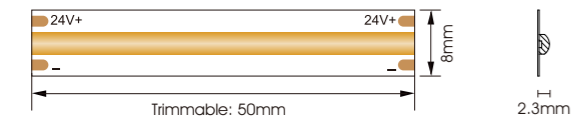




10W CRI90 320LED/m IP20 G

Electrical Data	
Light Beads	: COB
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length(10% voltage drop)	: 5m
Cut Size	: 50mm

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



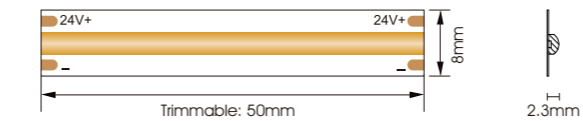
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24320T00-8A39	10	2700	77	770	>90/>40		≤ 5	20/66
CLT-INNF24320T00-8A39	10	3000	80	800	>90/>40		≤ 5	20/66
CLT-DNNF24320T00-8A39	10	4000	90	900	>90/>40		≤ 5	20/66
CLT-WNNF24320T00-8A39	10	6500	90	900	>90/>40		≤ 5	20/66

10W CRI90 480LED/m IP20 G

Electrical Data	
Light Beads	: COB
Number Led/M	: 480pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length(10% voltage drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24480T00-8A39	10	2700	77	770	>90/>40		≤ 5	20/66
CLT-INNF24480T00-8A39	10	3000	80	800	>90/>40		≤ 5	20/66
CLT-DNNF24480T00-8A39	10	4000	90	900	>90/>40		≤ 5	20/66
CLT-WNNF24480T00-8A39	10	6500	90	900	>90/>40		≤ 5	20/66



APPLICATION SCENARIOS

BLOOM SERIES

2835 HIGH EFFICIENCY LED STRIP

4.5W CRI80 90LED/m IP20 B/C

9W CRI80 180LED/m IP20 B/C

4.5W CRI90 90LED/m IP20 C

9W CRI90 180LED/m IP20 C

4.8W CRI80 64LED/m IP20 E

9.6W CRI80 80LED/m IP20 E

9.6W CRI80 128LED/m IP20 E

14.4W CRI80 128LED/m IP20 E

14.4W CRI80 160LED/m IP20 E

19.2W CRI80 160LED/m IP20 E

4.8W CRI90 64LED/m IP20 E/F

9.6W CRI90 80LED/m IP20 E/F

9.6W CRI90 128LED/m IP20 E/F

14.4W CRI90 128LED/m IP20 E/F

14.4W CRI90 160LED/m IP20 E/F

19.2W CRI90 160LED/m IP20 F

12V/24V Mini Cut E/F

24V DIM TO WARM F

24V 9.6W CCT Tunable F (2 Cable Tech)

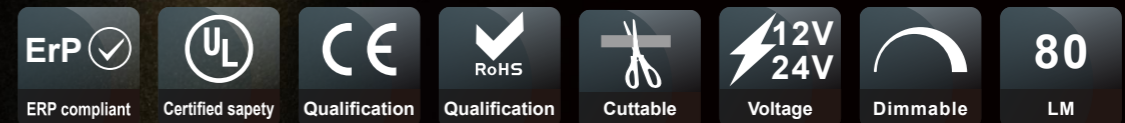
12V 14.4W CCT Tunable F (3 Cable Tech)

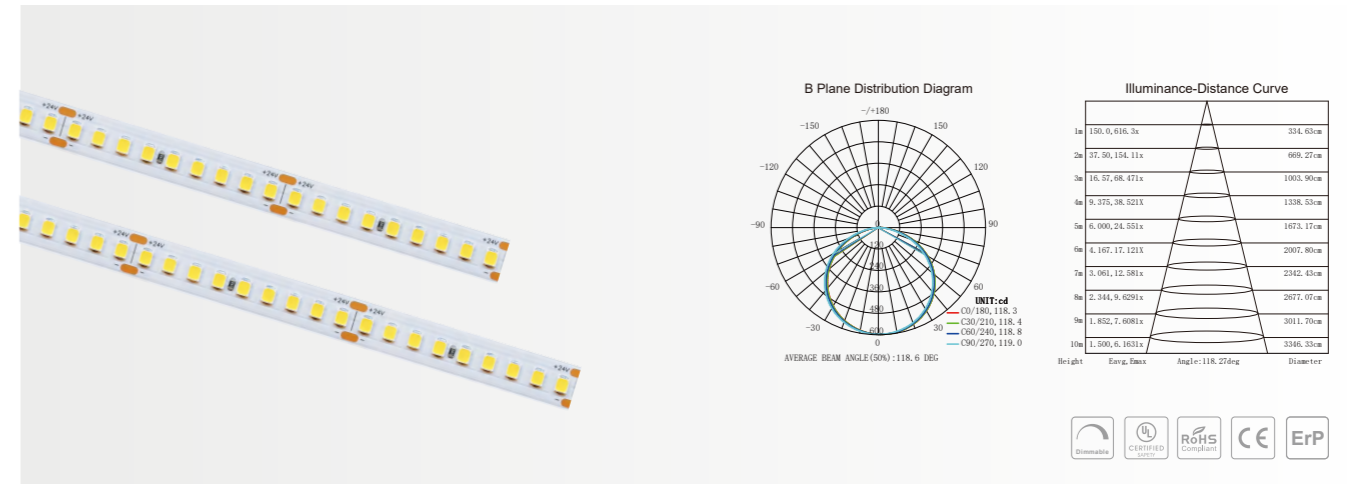
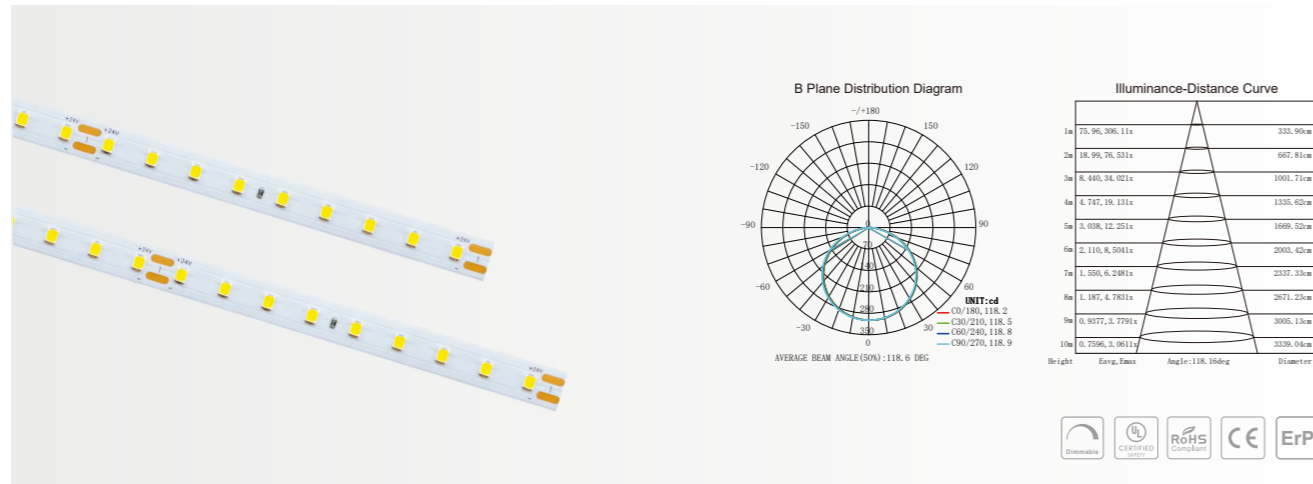
24V 14.4W CCT Tunable F (3 Cable Tech)

12V 19.2W CCT Tunable F (3 Cable Tech)

24V 19.2W CCT Tunable F (3 Cable Tech)

28.8W CRI80 256LED/m IP20 E (Double-row High-lumen)

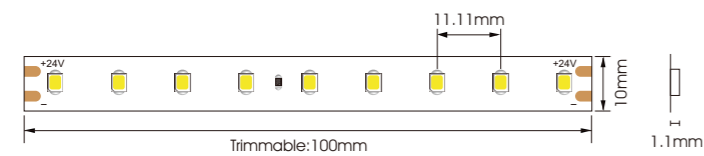




4.5W CRI80 90LED/m IP20 B/C

Electrical Data	
Light Beads	: 2835
Number Led/M	: 90pcs
Power W/m±10%	: 4.5W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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



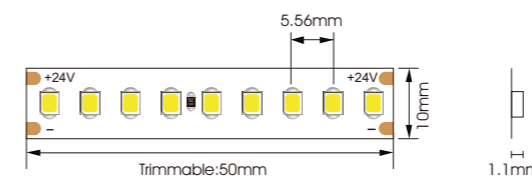
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24090T09-0A28	4.5	2700	187	840	>80/>0	C	≤ 3	20(54/66/67)
CLT-INNF24090T09-0A28	4.5	3000	190	856	>80/>0	C	≤ 3	20(54/66/67)
CLT-DNNF24090T09-0A28	4.5	4000	200	900	>80/>0	B	≤ 3	20(54/66/67)
CLT-WNNF24090T09-0A28	4.5	6500	200	900	>80/>0	B	≤ 3	20(54/66/67)

9W CRI80 180LED/m IP20 B/C

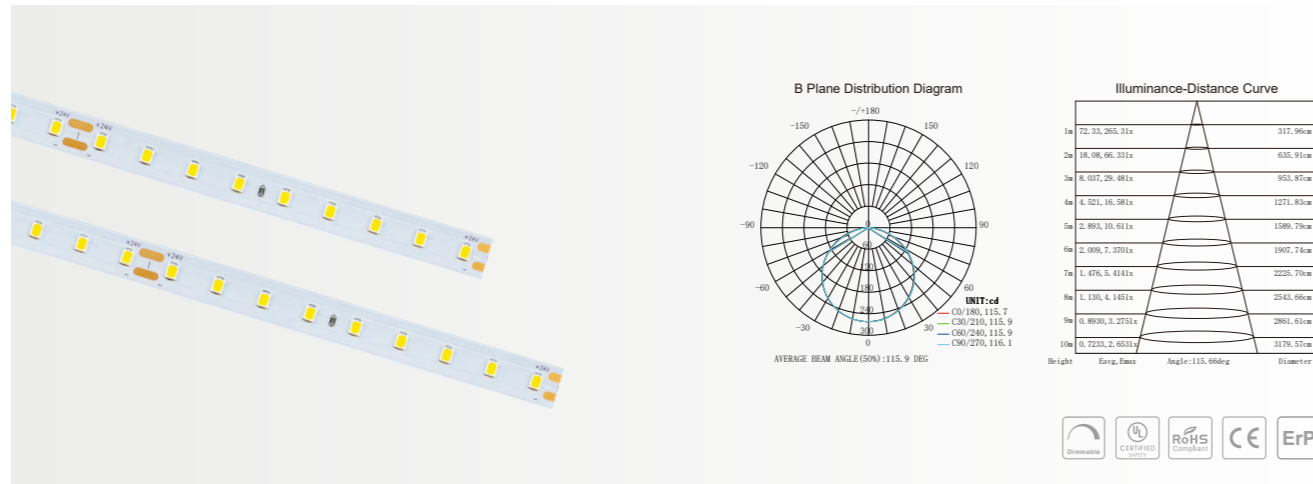
Electrical Data	
Light Beads	: 2835
Number Led/M	: 180pcs
Power W/m±10%	: 9W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

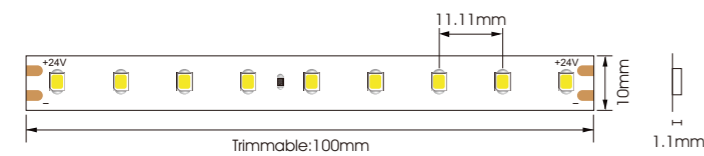
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24180T09-0A28	9	2700	184	1660	>80/>0	C	≤ 3	20(54/66/67)
CLT-INNF24180T09-0A28	9	3000	184	1664	>80/>0	C	≤ 3	20(54/66/67)
CLT-DNNF24180T09-0A28	9	4000	200	1800	>80/>0	B	≤ 3	20(54/66/67)
CLT-WNNF24180T09-0A28	9	6500	200	1800	>80/>0	B	≤ 3	20(54/66/67)



4.5W CRI90 90LED/m IP20 C

Electrical Data	
Light Beads	: 2835
Number Led/M	: 90pcs
Power W/m±10%	: 4.5W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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



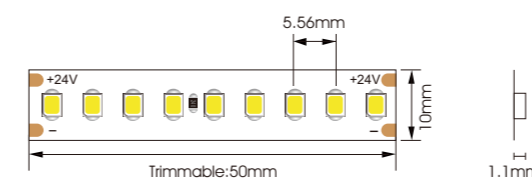
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24090T09-0A29	4.5	2700	178	800	>90/>40		≤ 3	20(54/66/67)
CLT-INNF24090T09-0A29	4.5	3000	180	810	>90/>40		≤ 3	20(54/66/67)
CLT-DNNF24090T09-0A29	4.5	4000	190	856	>90/>40		≤ 3	20(54/66/67)
CLT-WNNF24090T09-0A29	4.5	6500	190	858	>90/>40		≤ 3	20(54/66/67)

9W CRI90 180LED/m IP20 C

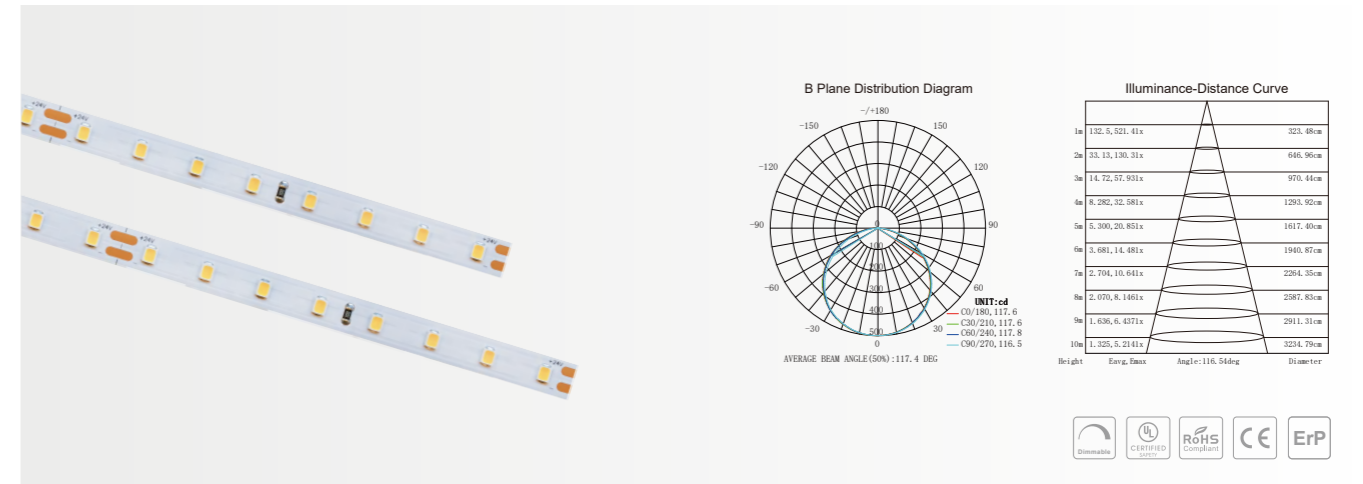
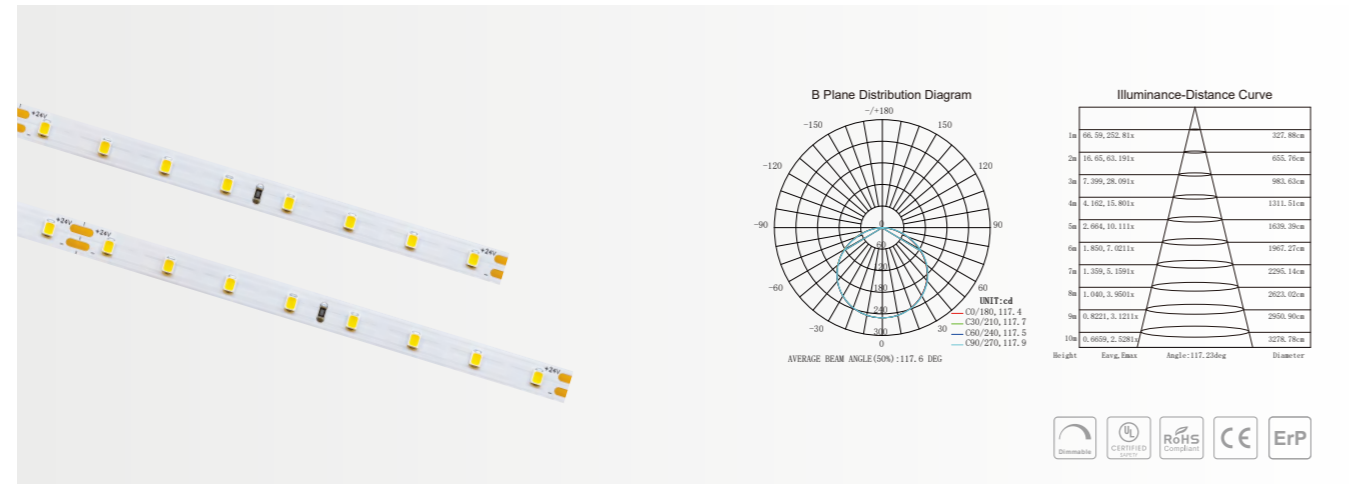
Electrical Data	
Light Beads	: 2835
Number Led/M	: 180pcs
Power W/m±10%	: 9W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

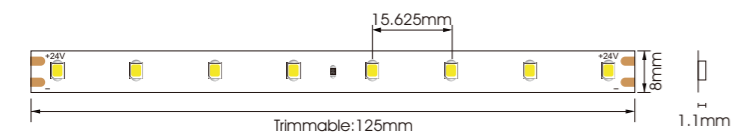
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24180T09-0A29	9	2700	178	1600	>90/>40		≤ 3	20(54/66/67)
CLT-INNF24180T09-0A29	9	3000	180	1620	>90/>40		≤ 3	20(54/66/67)
CLT-DNNF24180T09-0A29	9	4000	190	1700	>90/>40		≤ 3	20(54/66/67)
CLT-WNNF24180T09-0A29	9	6500	190	1700	>90/>40		≤ 3	20(54/66/67)



4.8W CRI80 64LED/m IP20 E

Electrical Data	
Light Beads	: 2835
Number Led/M	: 64pcs
Power W/m±10%	: 4.8W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 125mm

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



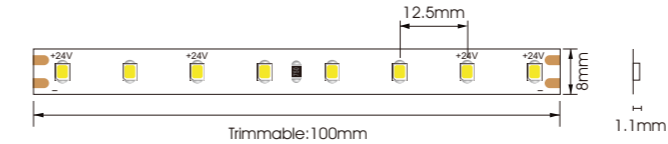
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24064T09-8A38	4.8	2700	138	660	>80/>0	E	≤ 3	20(54/66/67)
CLT-INNF24064T09-8A38	4.8	3000	140	672	>80/>0	E	≤ 3	20(54/66/67)
CLT-DNNF24064T09-8A38	4.8	4000	145	696	>80/>0	E	≤ 3	20(54/66/67)
CLT-WNNF24064T09-8A38	4.8	6500	145	696	>80/>0	E	≤ 3	20(54/66/67)

9.6W CRI80 80LED/m IP20 E

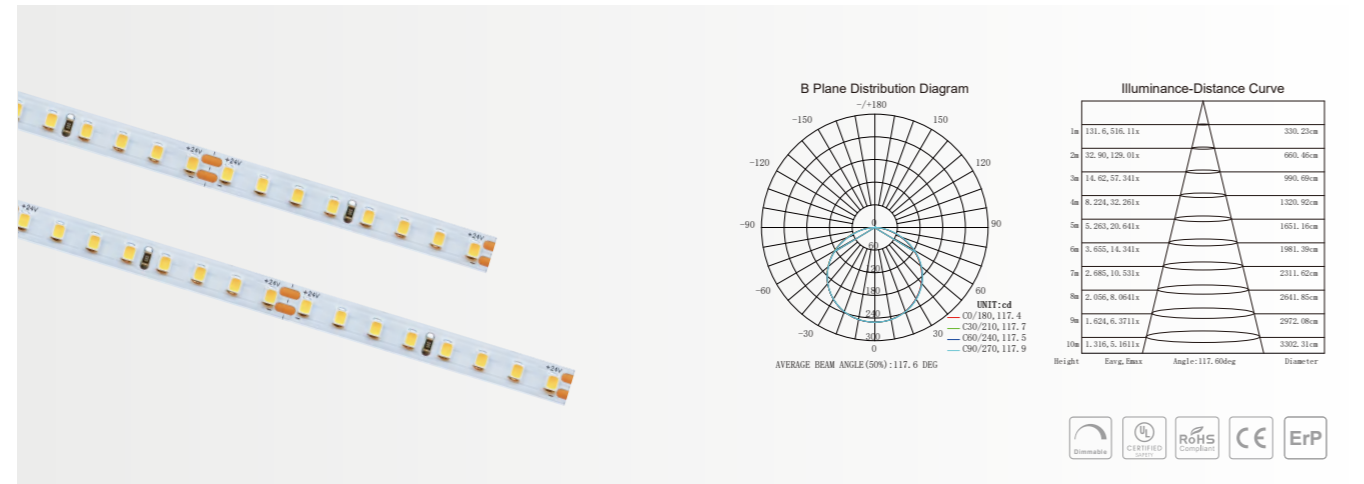
Electrical Data	
Light Beads	: 2835
Number Led/M	: 80pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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

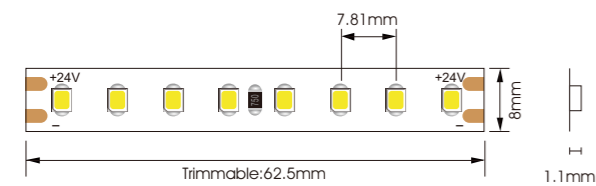
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24080T09-8A28	9.6	2700	135	1296	>80/>0	E	≤ 3	20(54/66/67)
CLT-INNF24080T09-8A28	9.6	3000	138	1324	>80/>0	E	≤ 3	20(54/66/67)
CLT-DNNF24080T09-8A28	9.6	4000	145	1392	>80/>0	E	≤ 3	20(54/66/67)
CLT-WNNF24080T09-8A28	9.6	6500	145	1392	>80/>0	E	≤ 3	20(54/66/67)



9.6W CRI80 128LED/m IP20 E

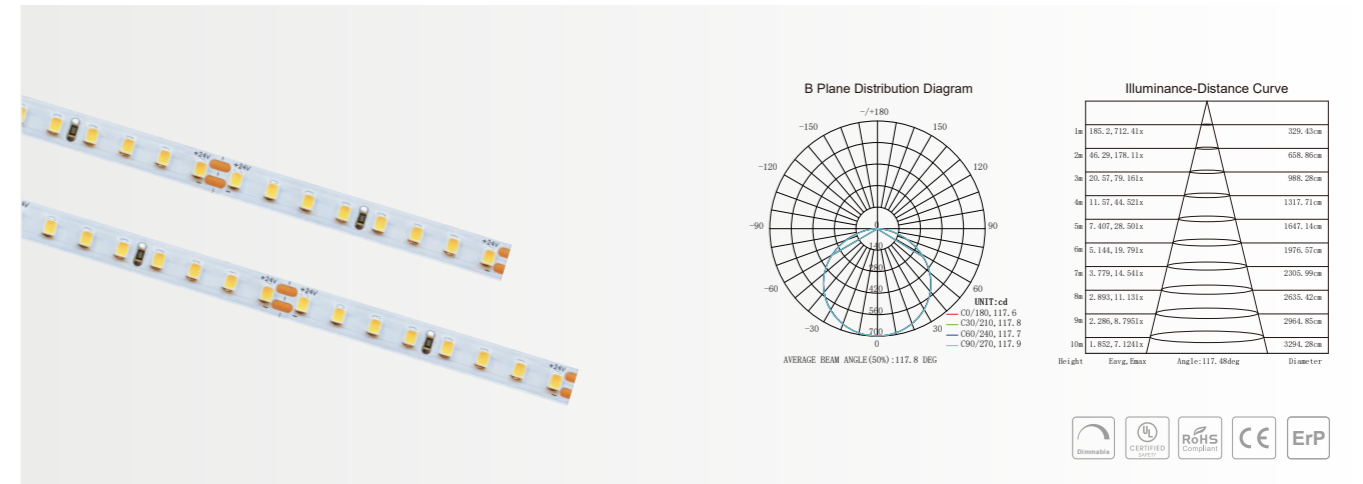
Electrical Data	
Light Beads	: 2835
Number Led/M	: 128pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 62.5mm

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

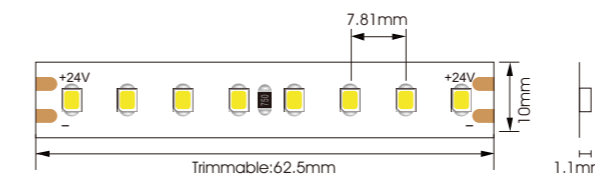
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24128T09-8A38	9.6	2700	138	1324	>80/>0	E	≤ 3	20(54/66/67)
CLT-INNF24128T09-8A38	9.6	3000	140	1344	>80/>0	E	≤ 3	20(54/66/67)
CLT-DNNF24128T09-8A38	9.6	4000	145	1392	>80/>0	E	≤ 3	20(54/66/67)
CLT-WNNF24128T09-8A38	9.6	6500	145	1392	>80/>0	E	≤ 3	20(54/66/67)



14.4W CRI80 128LED/m IP20 E

Electrical Data	
Light Beads	: 2835
Number Led/M	: 128pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 62.5mm

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

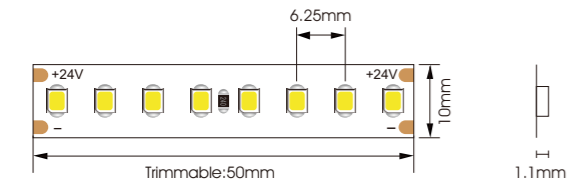
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24128T09-0A48	14.4	2700	140	2016	>80/>0	E	≤ 3	20(54/66/67)
CLT-INNF24128T09-0A48	14.4	3000	142	2044	>80/>0	E	≤ 3	20(54/66/67)
CLT-DNNF24128T09-0A48	14.4	4000	145	2088	>80/>0	E	≤ 3	20(54/66/67)
CLT-WNNF24128T09-0A48	14.4	6500	145	2088	>80/>0	E	≤ 3	20(54/66/67)



14.4W CRI80 160LED/m IP20 E

Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

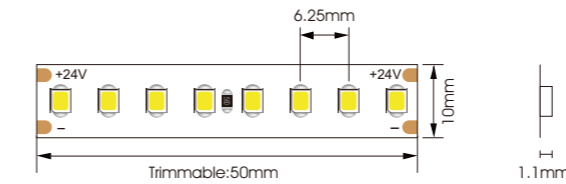
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24160T09-0A38	14.4	2700	140	2016	>80/>0	E	≤ 3	20(54/66/67)
CLT-INNF24160T09-0A38	14.4	3000	142	2044	>80/>0	E	≤ 3	20(54/66/67)
CLT-DNNF24160T09-0A38	14.4	4000	145	2088	>80/>0	E	≤ 3	20(54/66/67)
CLT-WNNF24160T09-0A38	14.4	6500	145	2088	>80/>0	E	≤ 3	20(54/66/67)



19.2W CRI80 160LED/m IP20 E

Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

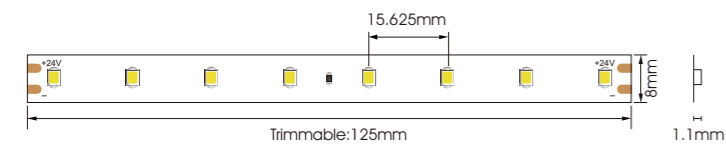
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24160T09-0A48	19.2	2700	135	2592	>80/>0	E	≤ 3	20(54/66/67)
CLT-INNF24160T09-0A48	19.2	3000	138	2650	>80/>0	E	≤ 3	20(54/66/67)
CLT-DNNF24160T09-0A48	19.2	4000	145	2784	>80/>0	E	≤ 3	20(54/66/67)
CLT-WNNF24160T09-0A48	19.2	6500	145	2784	>80/>0	E	≤ 3	20(54/66/67)



4.8W CRI90 64LED/m IP20 E/F

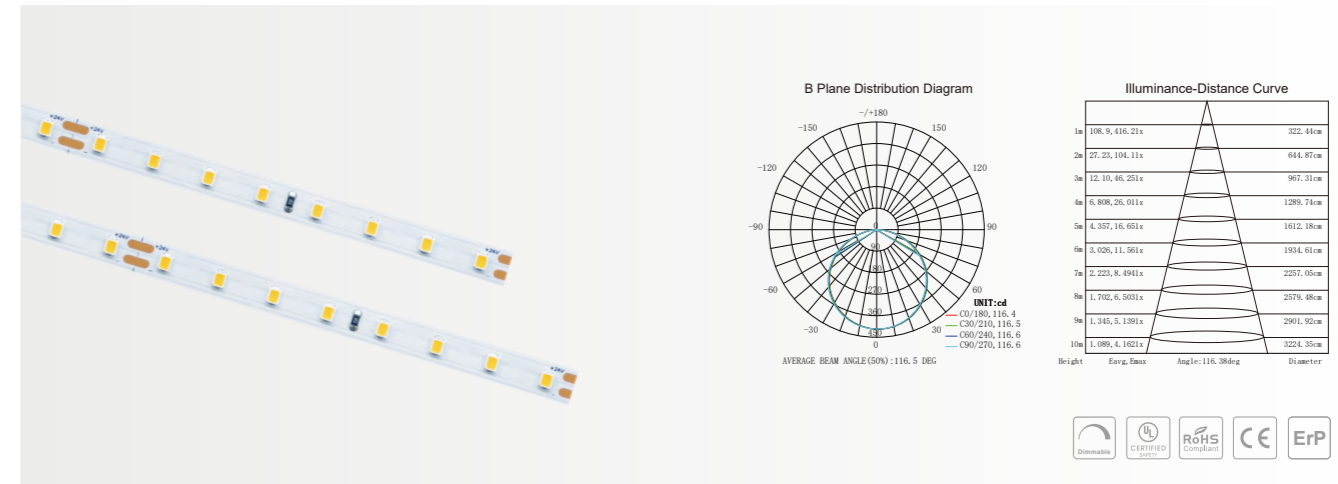
Electrical Data	
Light Beads	: 2835
Number Led/M	: 64pcs
Power W/m±10%	: 4.8W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 125mm

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

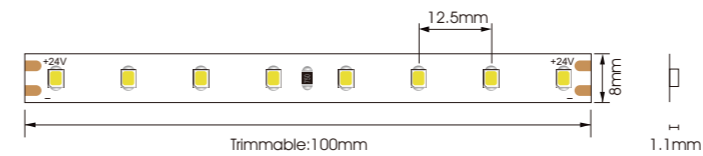
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24064T09-8A39	4.8	2700	115	552	>90/>40	F	≤ 3	20(54/66/67)
CLT-INNF24064T09-8A39	4.8	3000	118	566	>90/>40	F	≤ 3	20(54/66/67)
CLT-DNNF24064T09-8A39	4.8	4000	125	600	>90/>40	E	≤ 3	20(54/66/67)
CLT-WNNF24064T09-8A39	4.8	6500	125	600	>90/>40	E	≤ 3	20(54/66/67)



9.6W CRI90 80LED/m IP20 E/F

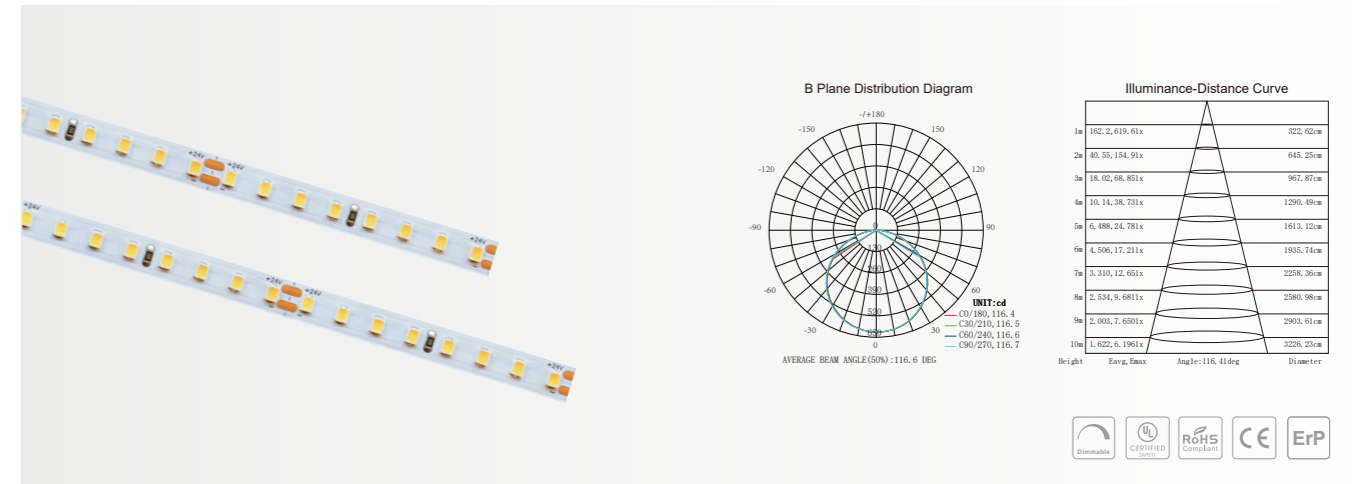
Electrical Data	
Light Beads	: 2835
Number Led/M	: 80pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24080T09-8A49	9.6	2700	110	1056	>90/>40	F	≤ 3	20(54/66/67)
CLT-INNF24080T09-8A49	9.6	3000	115	1104	>90/>40	F	≤ 3	20(54/66/67)
CLT-DNNF24080T09-8A49	9.6	4000	120	1152	>90/>40	E	≤ 3	20(54/66/67)
CLT-WNNF24080T09-8A49	9.6	6500	120	1152	>90/>40	E	≤ 3	20(54/66/67)



9.6W CRI90 128LED/m IP20 E/F

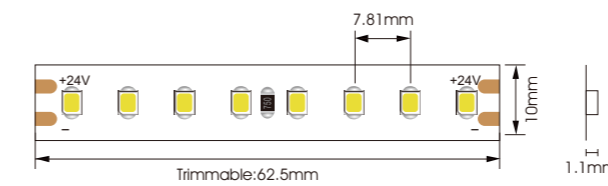
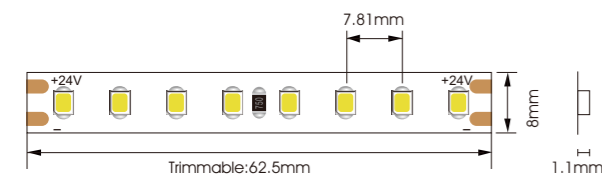
Electrical Data	
Light Beads	: 2835
Number Led/M	: 128pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 62.5mm

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 CRI90 128LED/m IP20 E/F

Electrical Data	
Light Beads	: 2835
Number Led/M	: 128pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 62.5mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24128T09-8A39	9.6	2700	115	1104	>90/>40	F	≤ 3	20(54/66/67)
CLT-INNF24128T09-8A39	9.6	3000	118	1132	>90/>40	F	≤ 3	20(54/66/67)
CLT-DNNF24128T09-8A39	9.6	4000	125	1200	>90/>40	E	≤ 3	20(54/66/67)
CLT-WNNF24128T09-8A39	9.6	6500	125	1200	>90/>40	E	≤ 3	20(54/66/67)

Product parameters

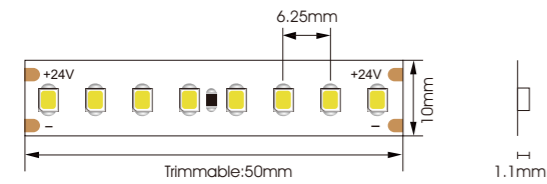
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24128T09-0A39	14.4	2700	110	1584	>90/>40	F	≤ 3	20(54/66/67)
CLT-INNF24128T09-0A39	14.4	3000	112	1612	>90/>40	F	≤ 3	20(54/66/67)
CLT-DNNF24128T09-0A39	14.4	4000	120	1928	>90/>40	E	≤ 3	20(54/66/67)
CLT-WNNF24128T09-0A39	14.4	6500	120	1928	>90/>40	E	≤ 3	20(54/66/67)



14.4W CRI90 160LED/m IP20 E/F

Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

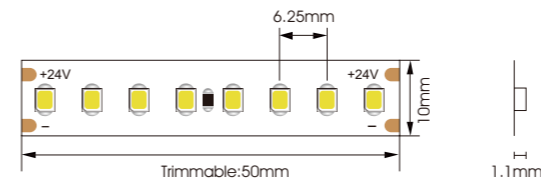
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24160T09-0A39	14.4	2700	110	1584	>90/>40	F	≤ 3	20(54/66/67)
CLT-INNF24160T09-0A39	14.4	3000	112	1612	>90/>40	F	≤ 3	20(54/66/67)
CLT-DNNF24160T09-0A39	14.4	4000	120	1928	>90/>40	E	≤ 3	20(54/66/67)
CLT-WNNF24160T09-0A39	14.4	6500	120	1928	>90/>40	E	≤ 3	20(54/66/67)



19.2W CRI90 160LED/m IP20 F

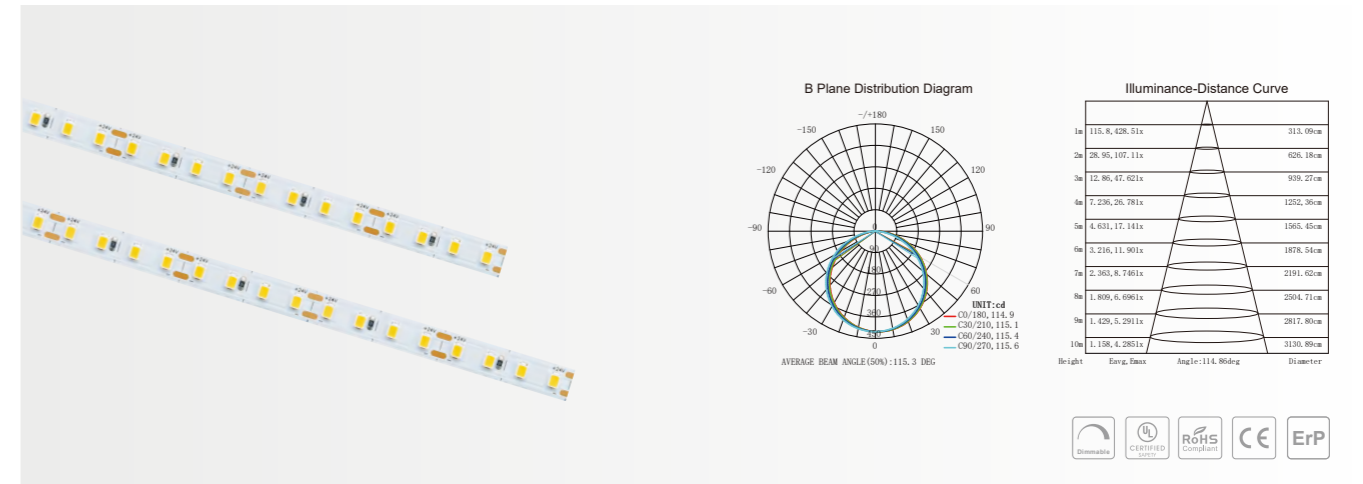
Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

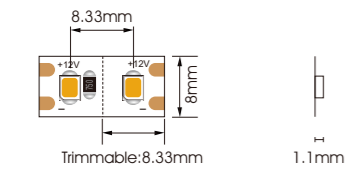
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24160T09-0A39	19.2	2700	105	2016	>90/>40	F	≤ 3	20(54/66/67)
CLT-INNF24160T09-0A39	19.2	3000	110	2112	>90/>40	F	≤ 3	20(54/66/67)
CLT-DNNF24160T09-0A39	19.2	4000	115	2208	>90/>40	F	≤ 3	20(54/66/67)
CLT-WNNF24160T09-0A39	19.2	6500	115	2208	>90/>40	F	≤ 3	20(54/66/67)



12V Mini Cut E/F

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 12V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 8.33mm

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



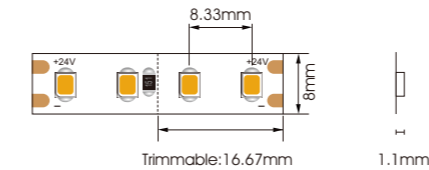
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF12120T09-8A29	9.6	2700	115	1080	>90/>40	F	≤ 5	20(54/66/67)
CLT-INNF12120T09-8A29	9.6	3000	115	1100	>90/>40	F	≤ 5	20(54/66/67)
CLT-DNNF12120T09-8A29	9.6	4000	125	1200	>90/>40	E	≤ 5	20(54/66/67)
CLT-WNNF12120T09-8A29	9.6	6500	125	1200	>90/>40	E	≤ 5	20(54/66/67)

24V Mini Cut E/F

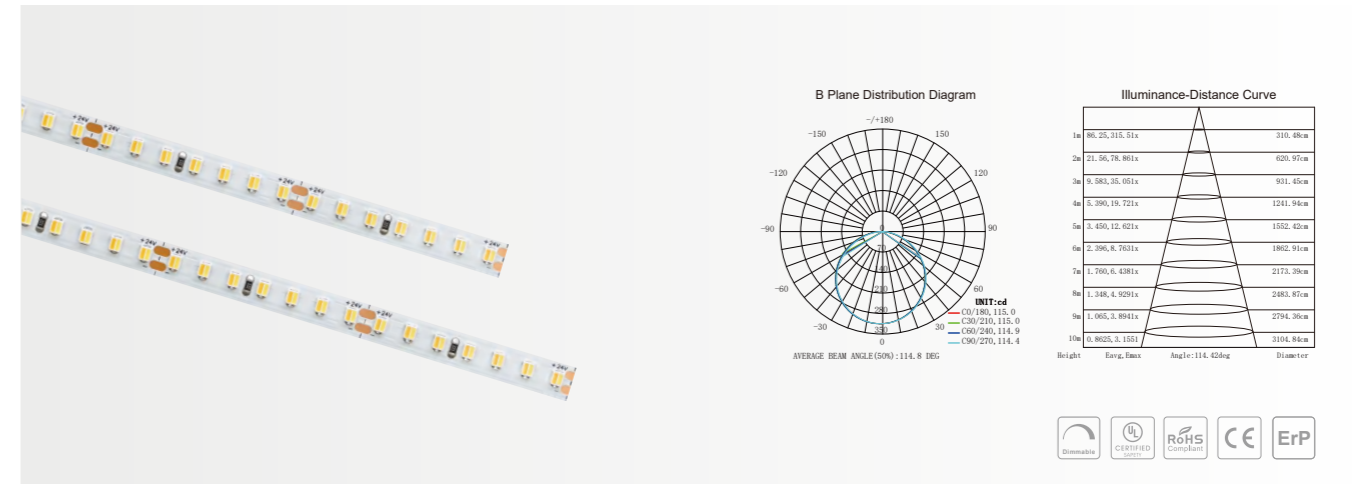
Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 16.67mm

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

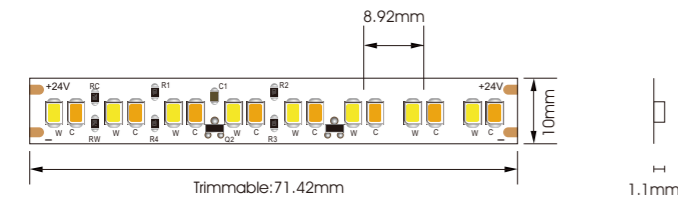
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24120T09-8A29	9.6	2700	115	1080	>90/>40	F	≤ 5	20(54/66/67)
CLT-INNF24120T09-8A29	9.6	3000	115	1100	>90/>40	F	≤ 5	20(54/66/67)
CLT-DNNF24120T09-8A29	9.6	4000	125	1200	>90/>40	E	≤ 5	20(54/66/67)
CLT-WNNF24120T09-8A29	9.6	6500	125	1200	>90/>40	E	≤ 5	20(54/66/67)



24V DIM TO WARM F

Electrical Data	
Light Beads	: 2835
Number Led/M	: 224pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 71.42mm

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



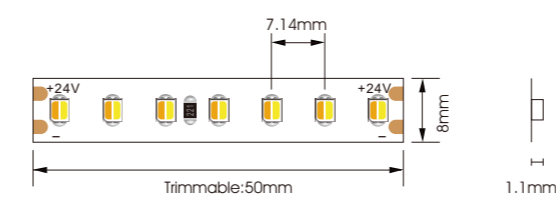
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-PINF24224T09-0A39	10	1800	110	1100	>90/>40	F	≤ 5	20(54/66/67)
		3000	110	1100	>90/>40	F	≤ 5	20(54/66/67)

24V 9.6W CCT Tunable F 2 Cable Tech

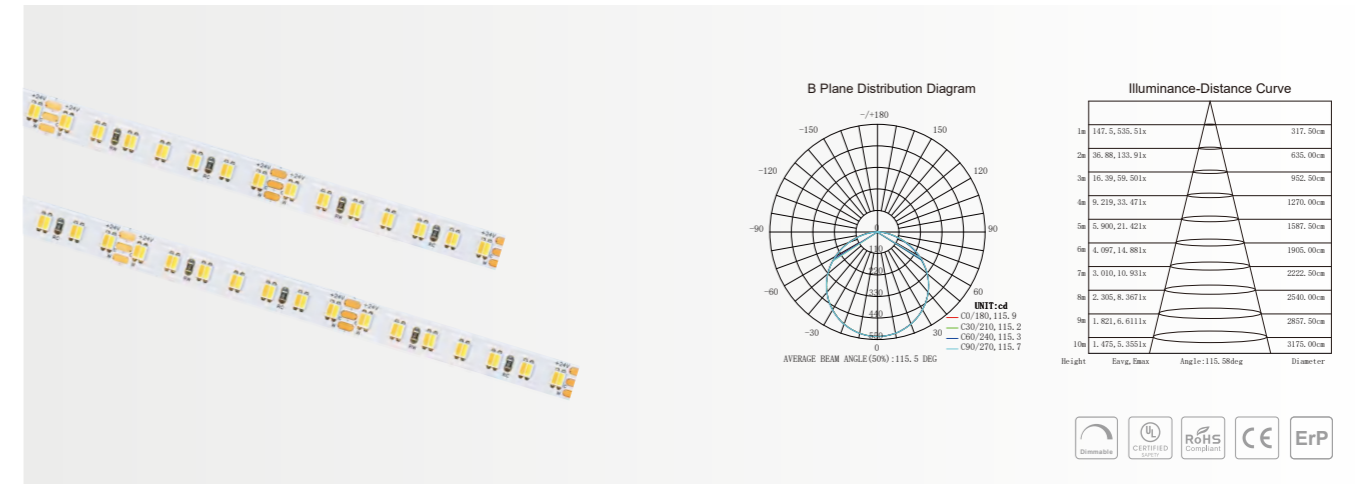
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

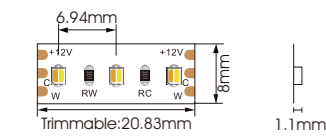
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-WINF24140T09-8A29	9.6	2700	90	864	>90/>40	F	≤ 5	20(54/66/67)
		6500	100	960	>90/>40	F	≤ 5	20(54/66/67)



12V 14.4W CCT Tunable G 3 Cable Tech

Electrical Data	
Light Beads	: 2835
Number Led/M	: 144pcs
Power W/m±10%	: 14.4W
Voltage	: 12V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 3m
Cut Size	: 20.83mm

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



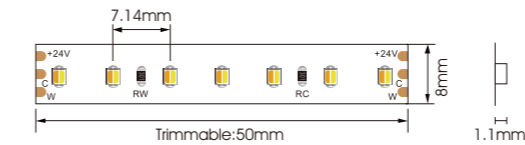
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-WINF12144T09-8A39	7.2+7.2	2700	83	600	>90/>40	G	≤ 5	20(54/66/67)
		6500	92	660	>90/>40	G	≤ 5	20(54/66/67)

24V 14.4W CCT Tunable F 3 Cable Tech

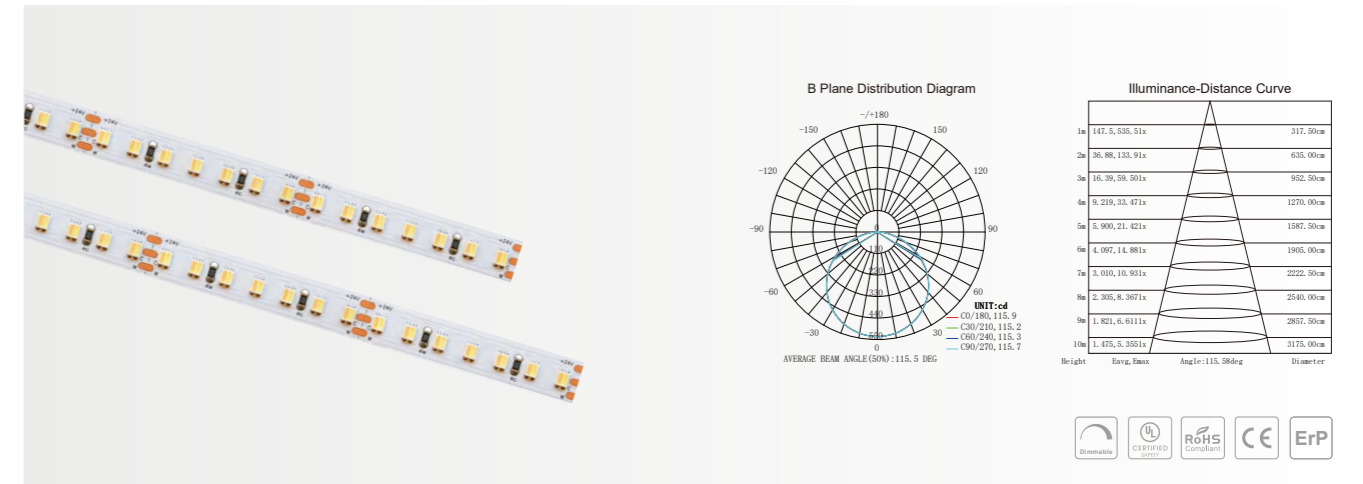
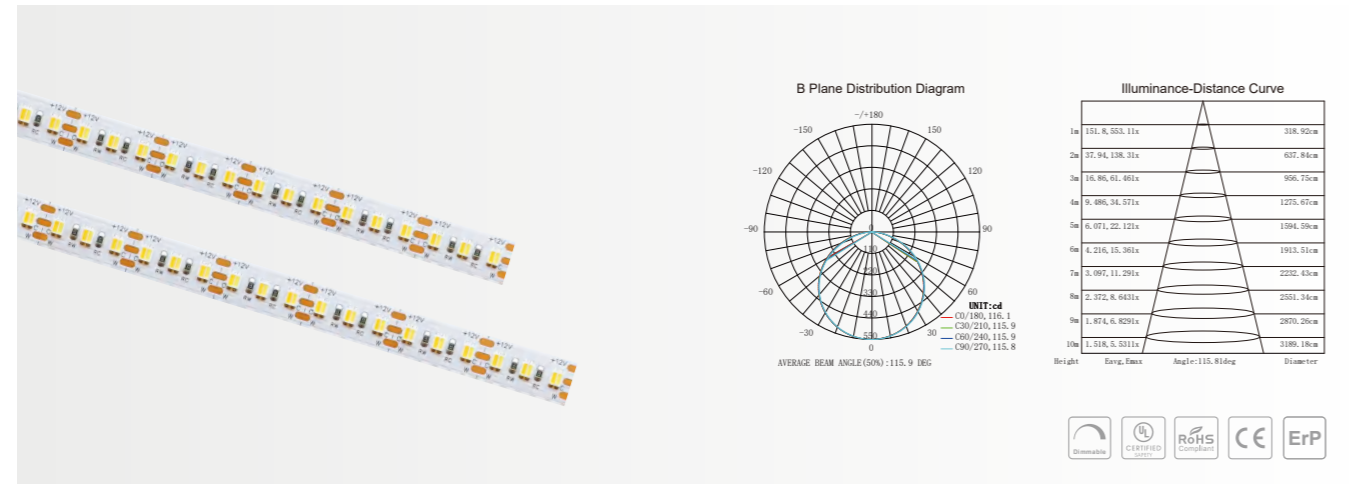
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-WINF24140T09-8A39	7.2+7.2	2700	100	720	>90/>40	F	≤ 5	20(54/66/67)
		6500	108	780	>90/>40	F	≤ 5	20(54/66/67)



12V 19.2W CCT Tunable G 3 Cable Tech

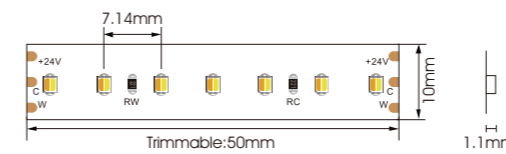
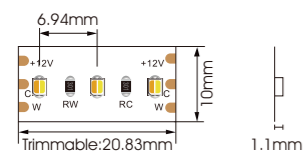
24V 19.2W CCT Tunable F 3 Cable Tech

Electrical Data	
Light Beads	: 2835
Number Led/M	: 144pcs
Power W/m±10%	: 19.2W
Voltage	: 12V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 20.83mm

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

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

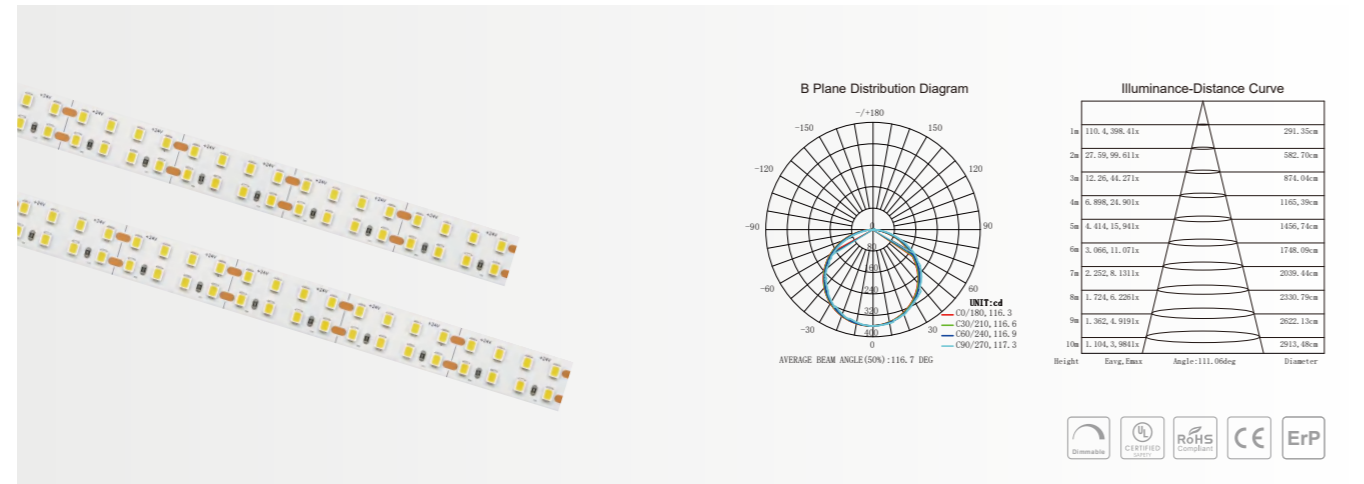


Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-WINF12144T09-0A49	9.6+9.6	2700	76	730	>90/>40	G	≤ 5	20(54/66/67)
		6500	83	800	>90/>40	G	≤ 5	20(54/66/67)

Product parameters

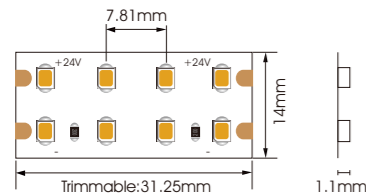
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-WINF24140T09-0A39	9.6+9.6	2700	92	890	>90/>40	F	≤ 5	20(54/66/67)
		6500	102	980	>90/>40	F	≤ 5	20(54/66/67)



28.8W CRI80 256LED/m IP20 E Double-row High-lumen

Electrical Data	
Light Beads	: 2835
Number Led/M	: 256pcs
Power W/m±10%	: 28.8W
Voltage	: 24V
PCB Width	: 14mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 31.25mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNNF24256T09-4B28	28.8	2700	136	3916	>80/>0	E	≤ 5	20(54/66/67)
CLT-INNF24256T09-4B28	28.8	3000	140	4032	>80/>0	E	≤ 5	20(54/66/67)
CLT-DNNF24256T09-4B28	28.8	4000	146	4204	>80/>0	E	≤ 5	20(54/66/67)
CLT-WNNF24256T09-4B28	28.8	6500	146	4204	>80/>0	E	≤ 5	20(54/66/67)

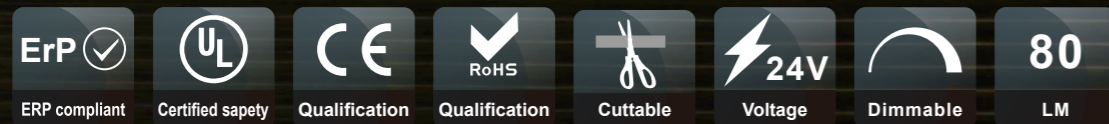


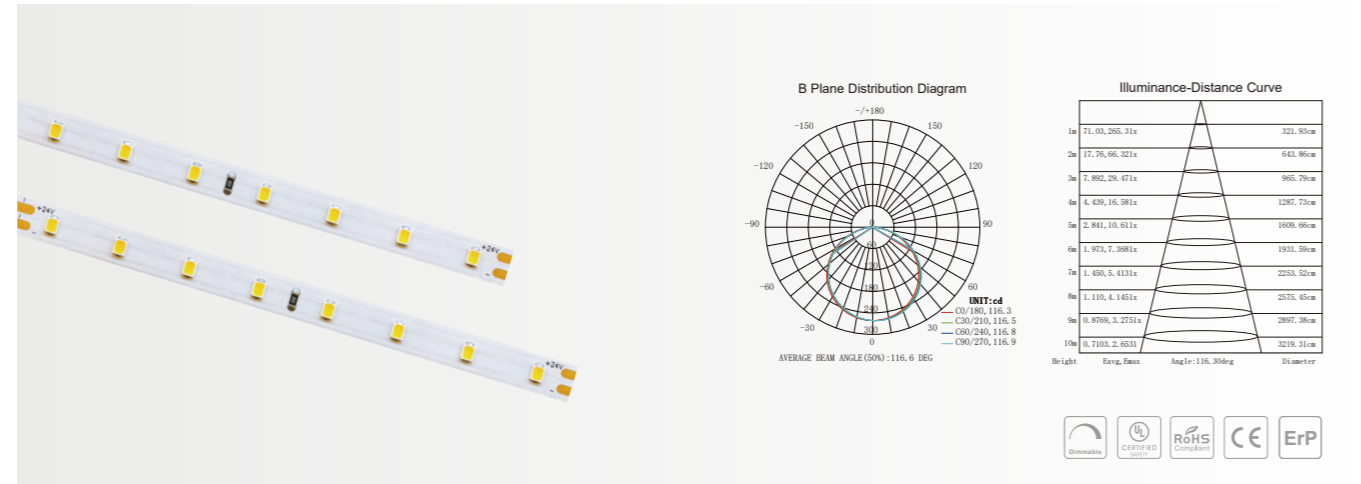
APPLICATION SCENARIOS

BLOOM SERIES

2835 HIGH EFFICIENCY FIRST GENERATION PRO LED STRIP

- 4.8W CRI90 64LED/m IP20 D
- 7.2W CRI90 80LED/m IP20 D
- 9.6W CRI90 128LED/m IP20 D
- 14.4W CRI90 128LED/m IP20 D
- 14.4W CRI90 160LED/m IP20 D
- 19.2W CRI90 160LED/m IP20 D/E

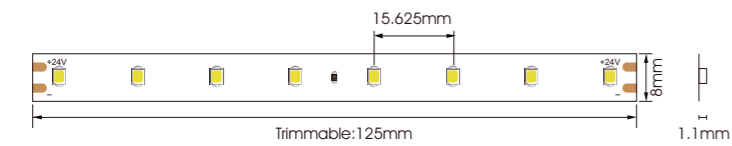




4.8W CRI90 64LED/m IP20 D

Electrical Data	
Light Beads	: 2835
Number Led/M	: 64pcs
Power W/m±10%	: 4.8W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 125mm

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



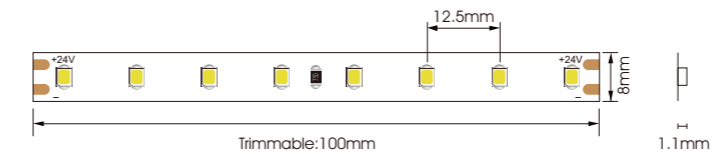
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24064T09-8A39	4.8	2700	152	730	>90/>40	D	<5	20(54/66/67)
CLT-INGF24064T09-8A39	4.8	3000	157	752	>90/>40	D	<5	20(54/66/67)
CLT-DNGF24064T09-8A39	4.8	4000	161	772	>90/>40	D	<5	20(54/66/67)
CLT-WNGF24064T09-8A39	4.8	6500	161	772	>90/>40	D	<5	20(54/66/67)

7.2W CRI90 80LED/m IP20 D

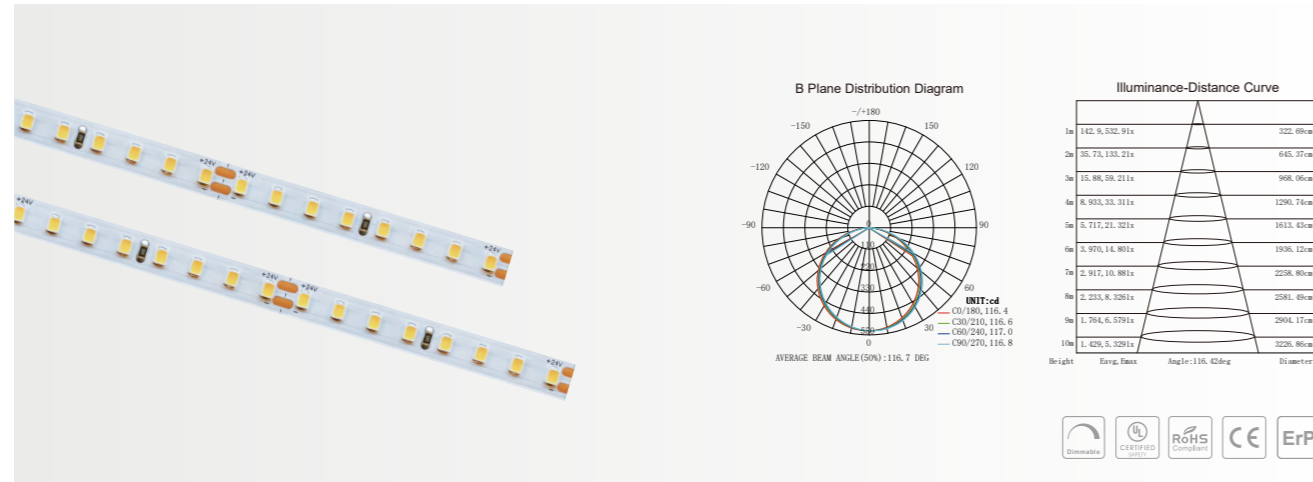
Electrical Data	
Light Beads	: 2835
Number Led/M	: 80pcs
Power W/m±10%	: 7.2W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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

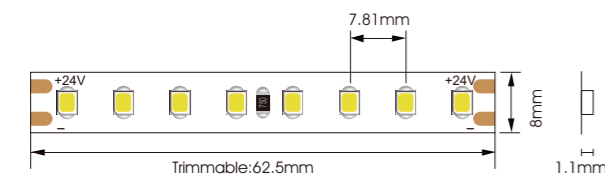
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24080T09-8A39	7.2	2700	151	1086	>90/>40	D	<5	20(54/66/67)
CLT-INGF24080T09-8A39	7.2	3000	157	1130	>90/>40	D	<5	20(54/66/67)
CLT-DNGF24080T09-8A39	7.2	4000	160	1152	>90/>40	D	<5	20(54/66/67)
CLT-WNGF24080T09-8A39	7.2	6500	160	1152	>90/>40	D	<5	20(54/66/67)



9.6W CRI90 128LED/m IP20 D

Electrical Data	
Light Beads	: 2835
Number Led/M	: 128pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 62.5mm

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



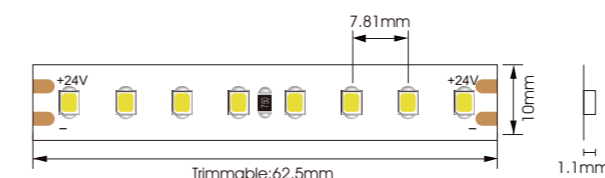
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24128T09-8A39	9.6	2700	151	1450	>90/>40	D	<5	20(54/66/67)
CLT-INGF24128T09-8A39	9.6	3000	156	1496	>90/>40	D	<5	20(54/66/67)
CLT-DNGF24128T09-8A39	9.6	4000	158	1516	>90/>40	D	<5	20(54/66/67)
CLT-WNGF24128T09-8A39	9.6	6500	158	1516	>90/>40	D	<5	20(54/66/67)

14.4W CRI90 128LED/m IP20 D

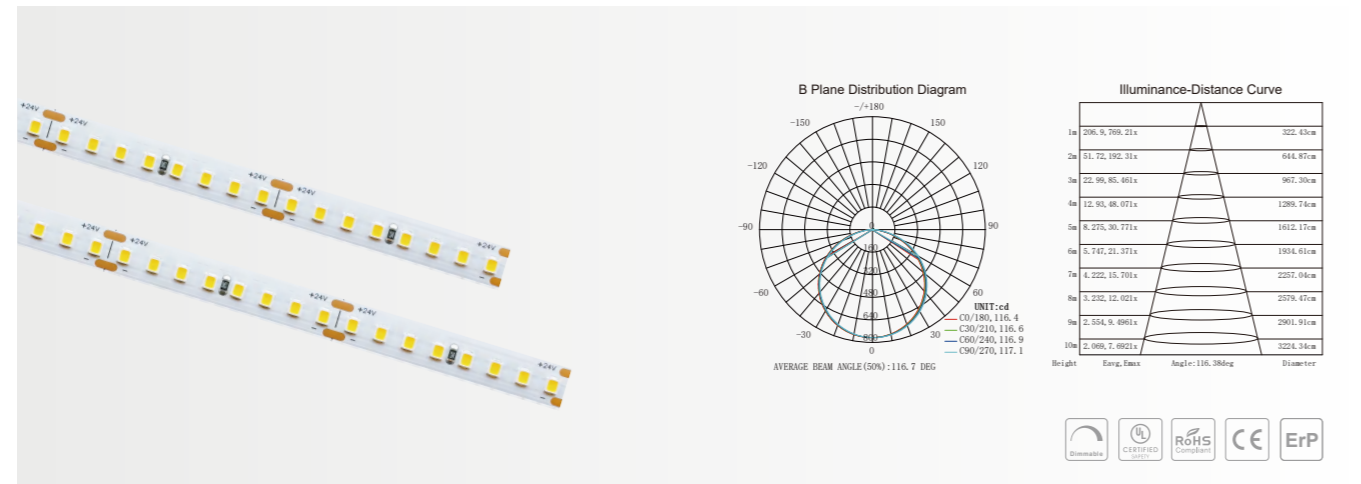
Electrical Data	
Light Beads	: 2835
Number Led/M	: 128pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 62.5mm

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

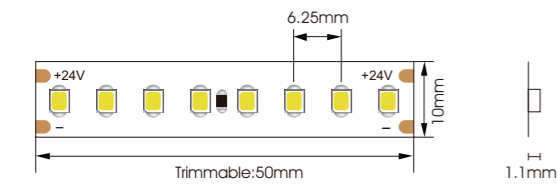
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24128T09-0A49	14.4	2700	148	2130	>90/>40	D	<5	20(54/66/67)
CLT-INGF24128T09-0A49	14.4	3000	151	2174	>90/>40	D	<5	20(54/66/67)
CLT-DNGF24128T09-0A49	14.4	4000	155	2232	>90/>40	D	<5	20(54/66/67)
CLT-WNGF24128T09-0A49	14.4	6500	155	2232	>90/>40	D	<5	20(54/66/67)



14.4W CRI90 160LED/m IP20 D

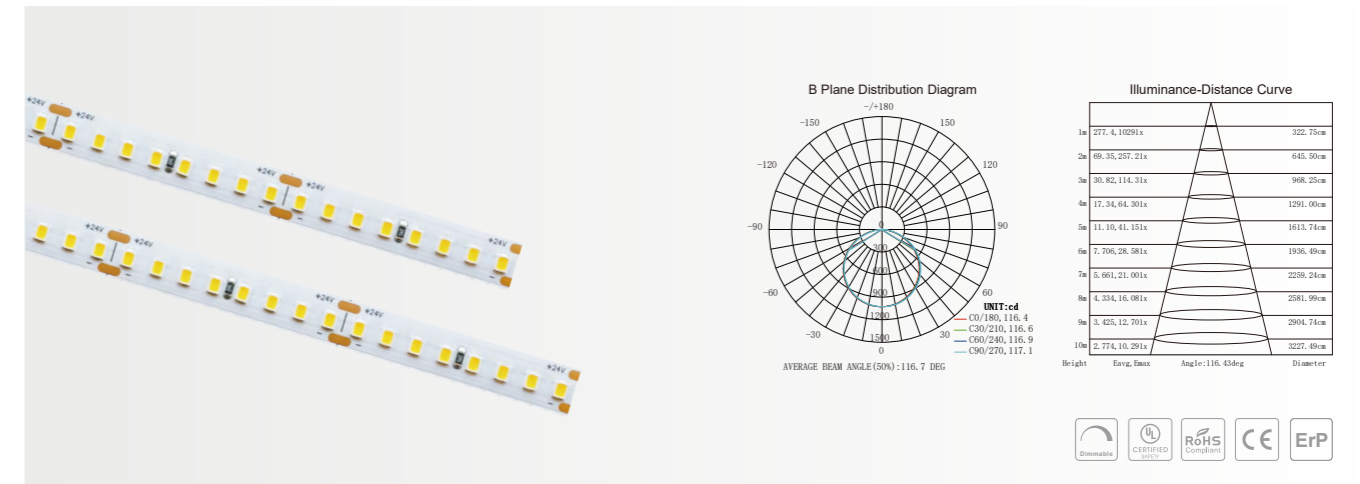
Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

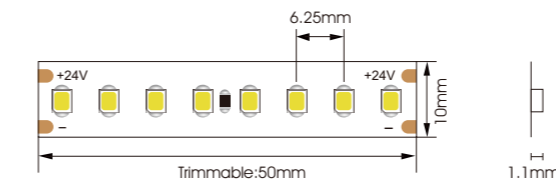
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24160T09-0A39	14.4	2700	148	2130	>90/>40	D	<5	20(54/66/67)
CLT-INGF24160T09-0A39	14.4	3000	155	2232	>90/>40	D	<5	20(54/66/67)
CLT-DNGF24160T09-0A39	14.4	4000	158	2274	>90/>40	D	<5	20(54/66/67)
CLT-WNGF24160T09-0A39	14.4	6500	158	2274	>90/>40	D	<5	20(54/66/67)



19.2W CRI90 160LED/m IP20 D/E

Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24160T09-0A49	19.2	2700	143	2764	>90/>40	E	<5	20(54/66/67)
CLT-INGF24160T09-0A49	19.2	3000	149	2860	>90/>40	D	<5	20(54/66/67)
CLT-DNGF24160T09-0A49	19.2	4000	152	2918	>90/>40	D	<5	20(54/66/67)
CLT-WNGF24160T09-0A49	19.2	6500	152	2918	>90/>40	D	<5	20(54/66/67)



APPLICATION SCENARIOS

BLOOM SERIES

2835 ROLL TO ROLL LED STRIP

12V 4.8W CRI90 60LED/m IP20 G

12V 7.2W CRI90 120LED/m IP20 G

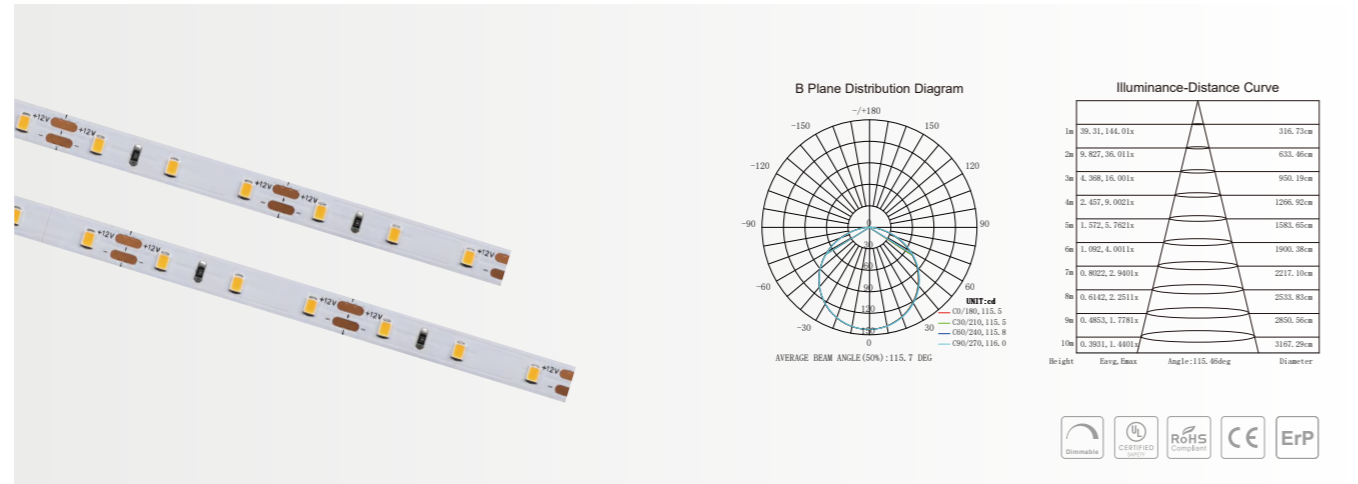
24V 4.8W CRI90 60LED/m IP20 G

24V 9.6W CRI90 120LED/m IP20 G

24V 14.4W CRI90 140LED/m IP20 F/G

24V 14.4W CRI90 160LED/m IP20 E/F

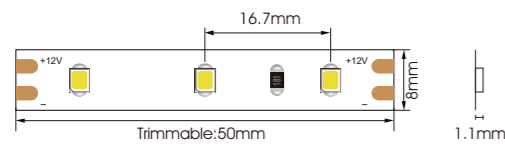




12V 4.8W CRI90 60LED/m IP20 G

Electrical Data	
Light Beads	: 2835
Number Led/M	: 60pcs
Power W/m±10%	: 4.8W
Voltage	: 12V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



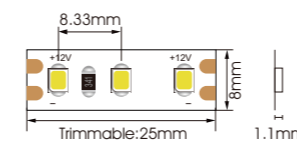
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF12060T09-8A29	4.8	2700	73	350	>90/>40		<3	20(54/66/67)
CLT-INNF12060T09-8A29	4.8	3000	78	375	>90/>40		<3	20(54/66/67)
CLT-DNNF12060T09-8A29	4.8	4000	86	410	>90/>40		<3	20(54/66/67)
CLT-WNNF12060T09-8A29	4.8	6500	86	410	>90/>40		<3	20(54/66/67)

12V 7.2W CRI90 120LED/m IP20 G

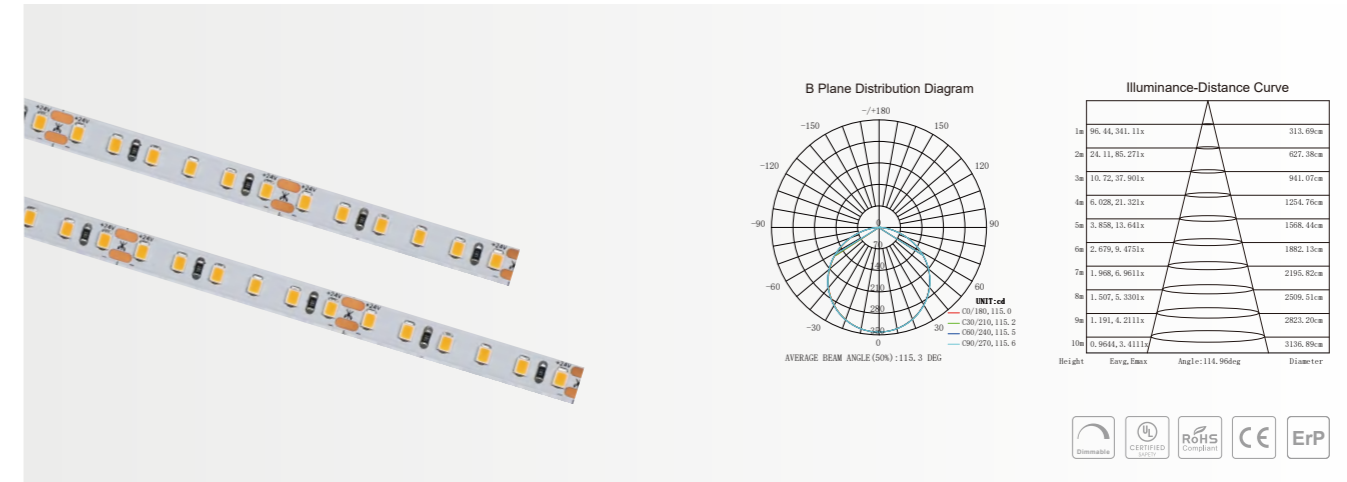
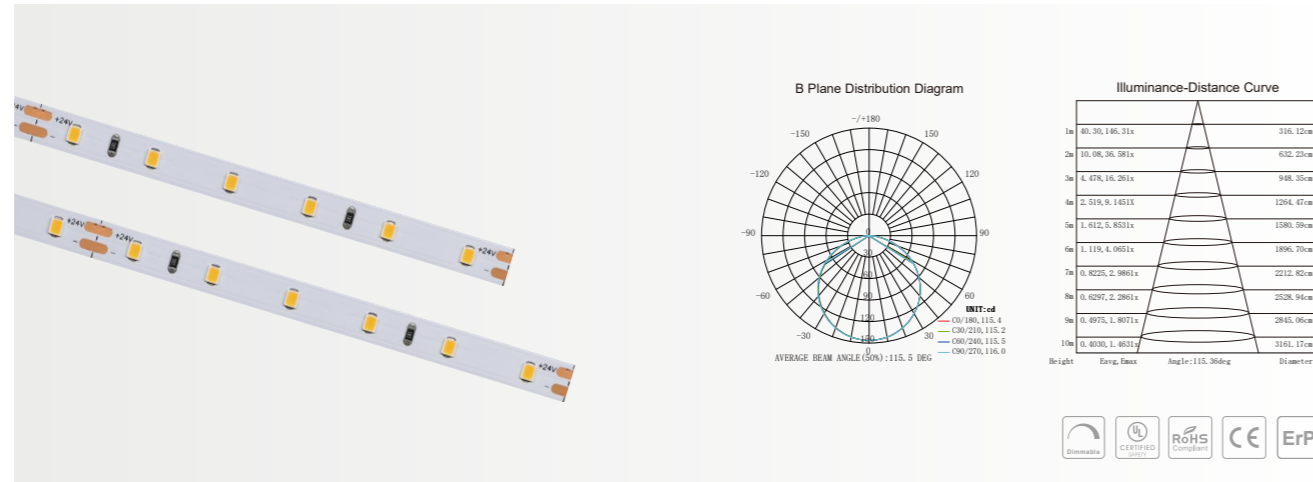
Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 7.2W
Voltage	: 12V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

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

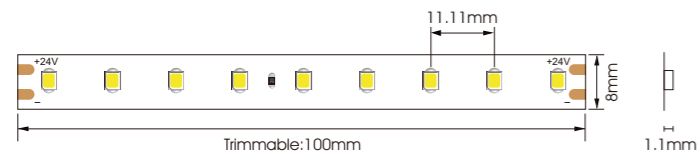
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF12120T09-8A29	7.2	2700	79	570	>90/>40		<3	20(54/66/67)
CLT-INNF12120T09-8A29	7.2	3000	81	580	>90/>40		<3	20(54/66/67)
CLT-DNNF12120T09-8A29	7.2	4000	85	610	>90/>40		<3	20(54/66/67)
CLT-WNNF12120T09-8A29	7.2	6500	85	610	>90/>40		<3	20(54/66/67)



24V 4.8W CRI90 60LED/m IP20 G

Electrical Data	
Light Beads	: 2835
Number Led/M	: 60pcs
Power W/m±10%	: 4.8W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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



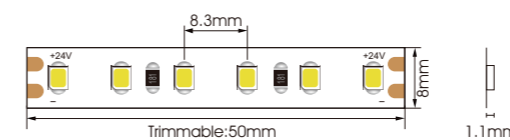
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24060T09-8A29	4.8	2700	73	350	>90/>40		<3	20(54/66/67)
CLT-INNF24060T09-8A29	4.8	3000	78	375	>90/>40		<3	20(54/66/67)
CLT-DNNF24060T09-8A29	4.8	4000	86	410	>90/>40		<3	20(54/66/67)
CLT-WNNF24060T09-8A29	4.8	6500	86	410	>90/>40		<3	20(54/66/67)

24V 9.6W CRI90 120LED/m IP20 G

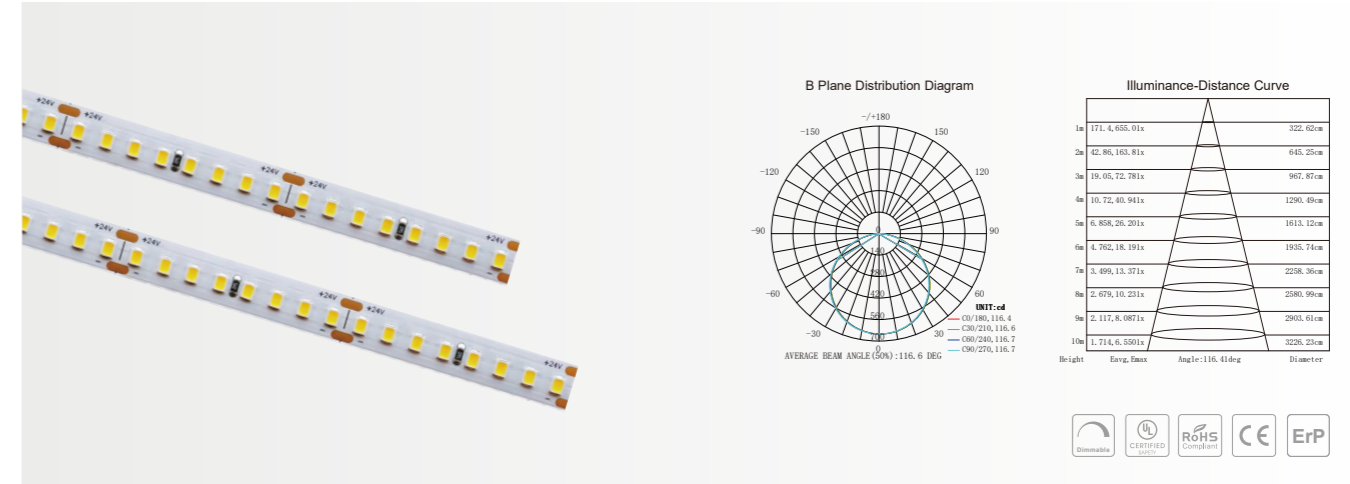
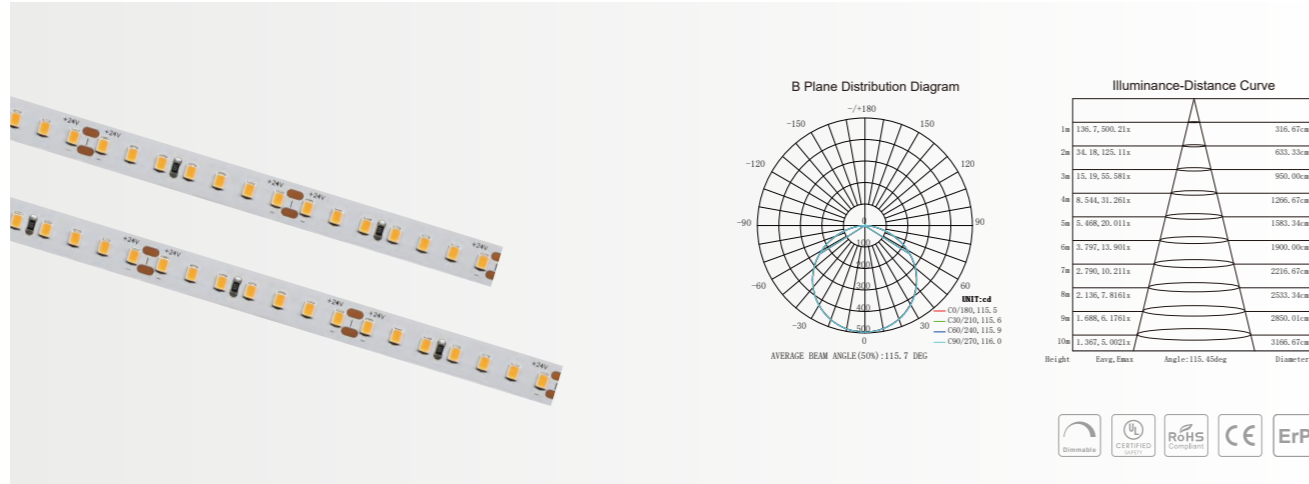
Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24120T09-8A29	9.6	2700	79	760	>90/>40		<3	20(54/66/67)
CLT-INNF24120T09-8A29	9.6	3000	81	775	>90/>40		<3	20(54/66/67)
CLT-DNNF24120T09-8A29	9.6	4000	85	815	>90/>40		<3	20(54/66/67)
CLT-WNNF24120T09-8A29	9.6	6500	85	815	>90/>40		<3	20(54/66/67)



24V 14.4W CRI90 140LED/m IP20 F/G

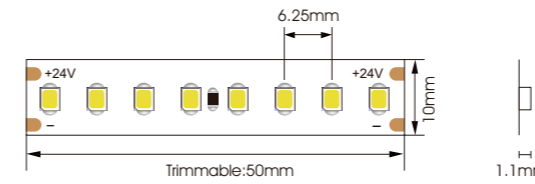
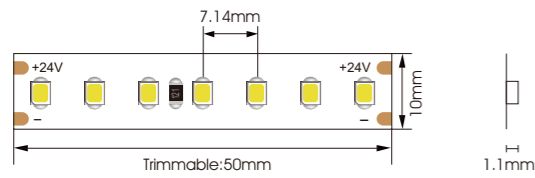
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

24V 14.4W CRI90 160LED/m IP20 E/F

Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24140T09-0A39	14.4	2700	90	1300	>90/>40		<3	20(54/66/67)
CLT-INNF24140T09-0A39	14.4	3000	92	1320	>90/>40		<3	20(54/66/67)
CLT-DNNF24140T09-0A39	14.4	4000	93	1340	>90/>40		<3	20(54/66/67)
CLT-WNNF24140T09-0A39	14.4	6500	93	1340	>90/>40		<3	20(54/66/67)

Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24160T09-0A39	14.4	2700	110	1585	>90/>40		<3	20(54/66/67)
CLT-INNF24160T09-0A39	14.4	3000	114	1640	>90/>40		<3	20(54/66/67)
CLT-DNNF24160T09-0A39	14.4	4000	120	1725	>90/>40		<3	20(54/66/67)
CLT-WNNF24160T09-0A39	14.4	6500	120	1725	>90/>40		<3	20(54/66/67)



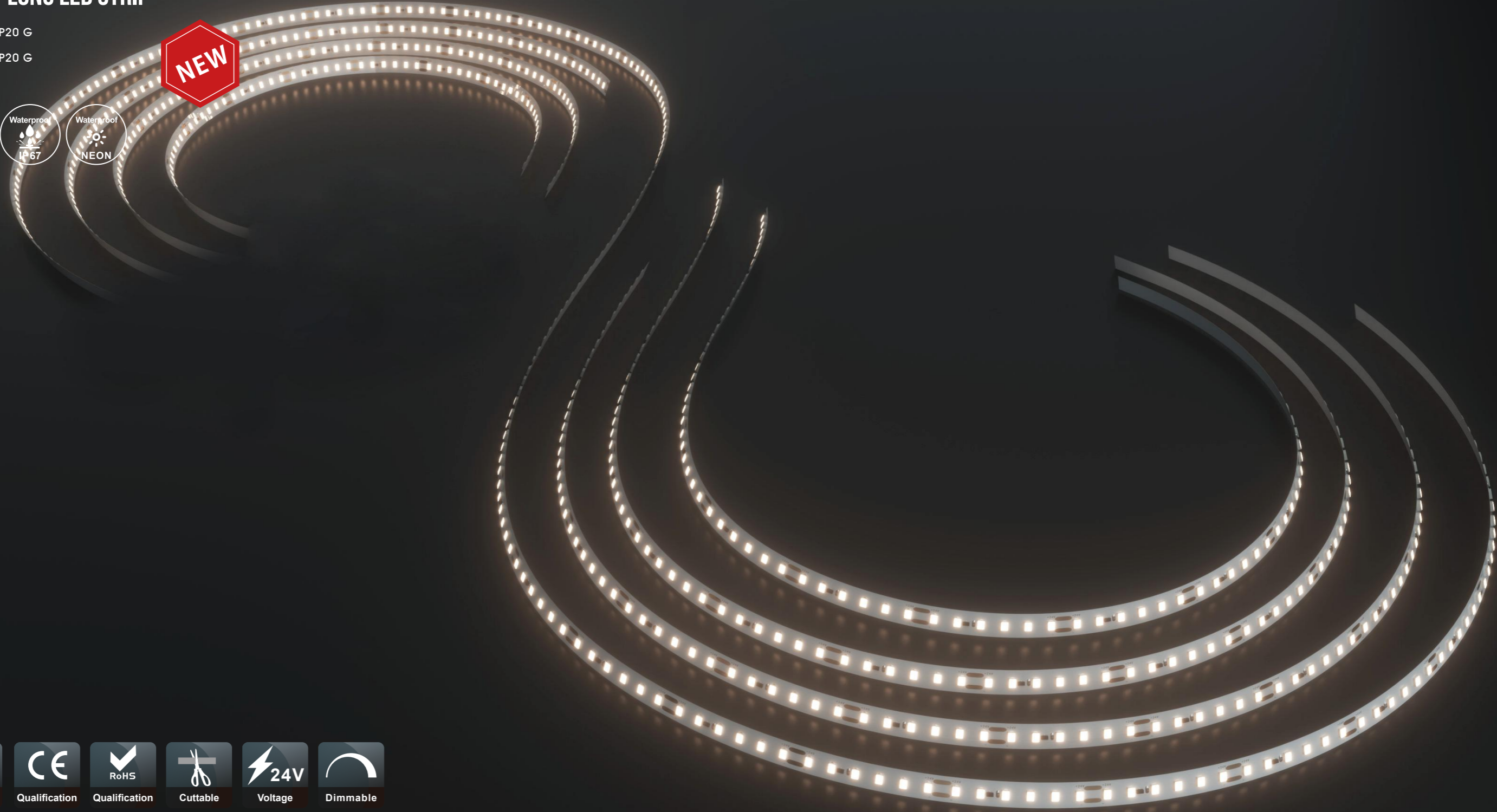
APPLICATION SCENARIOS

BLOOM SERIES

2835 IC ULTRA-LONG LED STRIP

7.2W CRI90 120LED/m IP20 G

9.6W CRI90 120LED/m IP20 G



ERP compliant



Certified safety



Qualification



Qualification



Cuttable



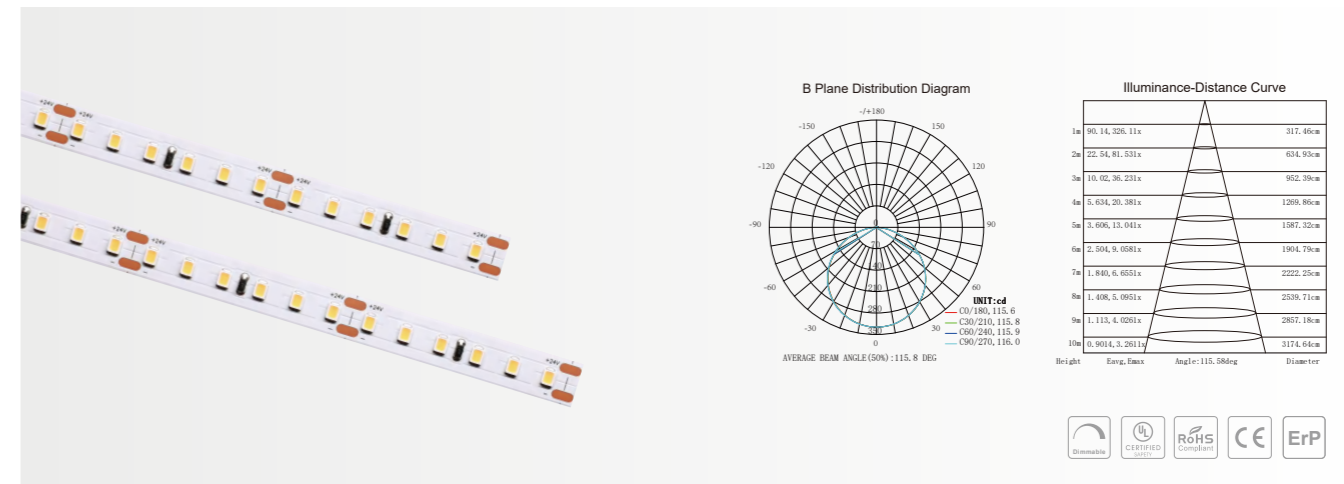
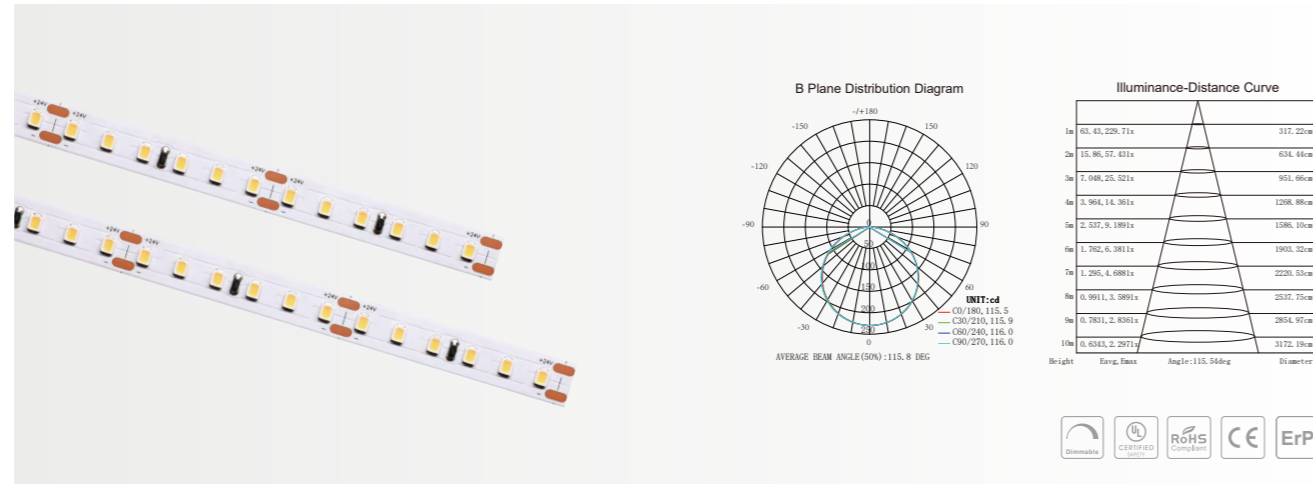
Voltage



24V



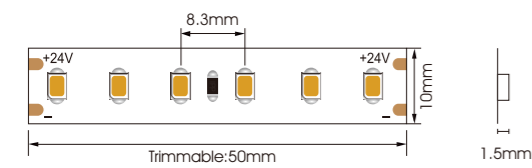
Dimmable



7.2W CRI90 120LED/m IP20 G

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 7.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 20m
Cut Size	: 50mm

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



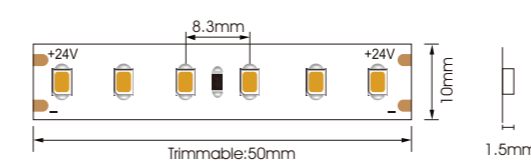
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24120T09-0A29	7.2	2700	87	630	>90/>40		<3	20(54/66/67)
CLT-INNF24120T09-0A29	7.2	3000	90	650	>90/>40		<3	20(54/66/67)
CLT-DNNF24120T09-0A29	7.2	4000	93	670	>90/>40		<3	20(54/66/67)
CLT-WNNF24120T09-0A29	7.2	6500	93	670	>90/>40		<3	20(54/66/67)

9.6W CRI90 120LED/m IP20 G

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 15m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24120T09-0A39	9.6	2700	90	865	>90/>40		<3	20(54/66/67)
CLT-INNF24120T09-0A39	9.6	3000	92	880	>90/>40		<3	20(54/66/67)
CLT-DNNF24120T09-0A39	9.6	4000	96	920	>90/>40		<3	20(54/66/67)
CLT-WNNF24120T09-0A39	9.6	6500	96	920	>90/>40		<3	20(54/66/67)



APPLICATION SCENARIOS

BLOOM SERIES

2835 SMD FULL SPECTRUM

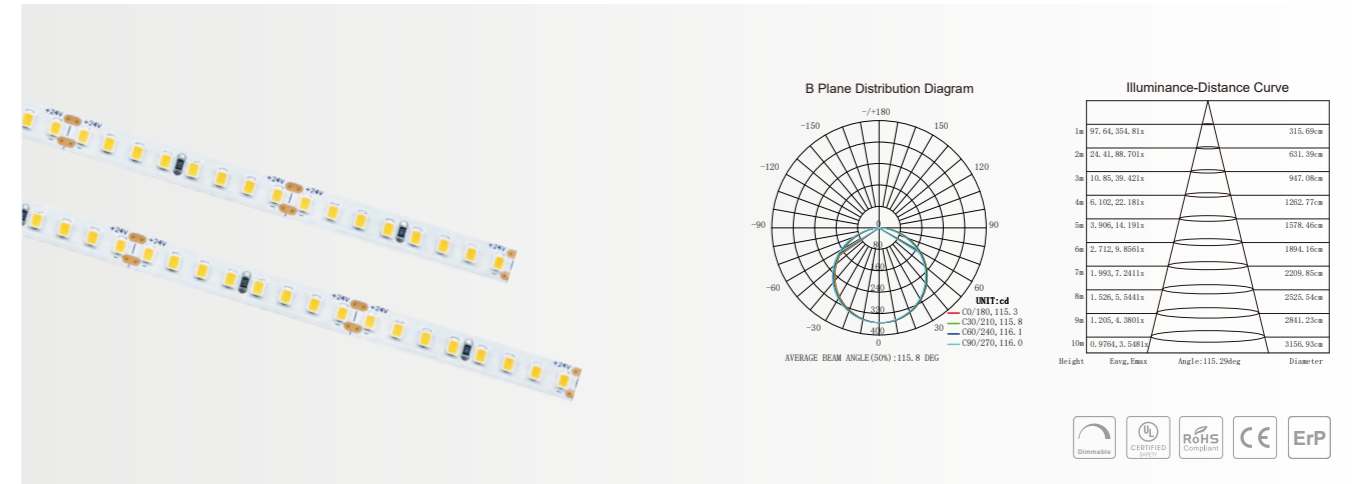
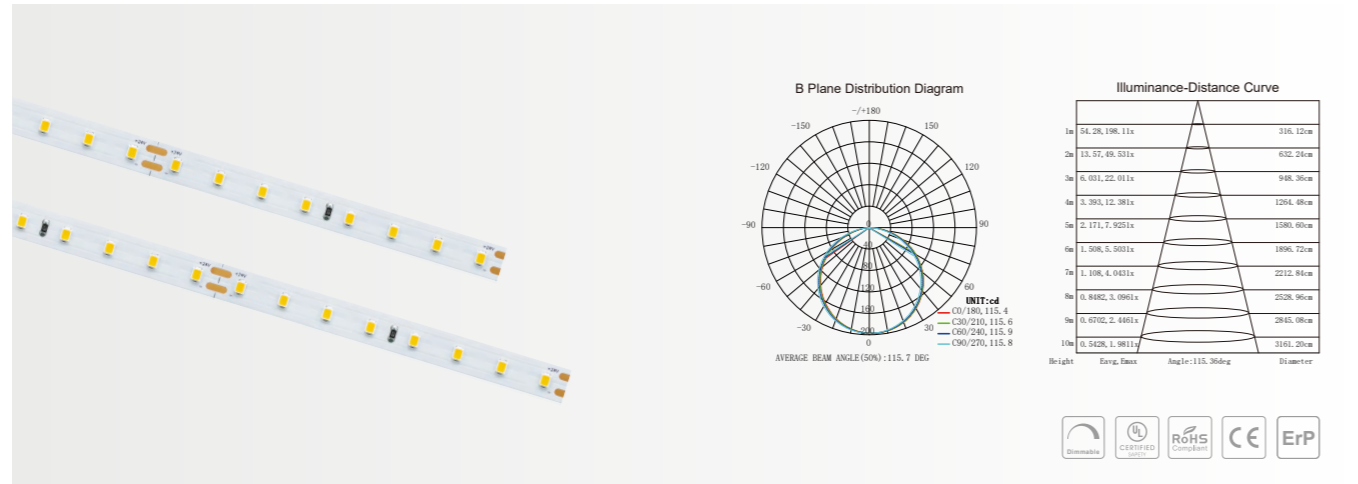
4.8W CRI95 R1-R15 >90 80LED/m IP20 F

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

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

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

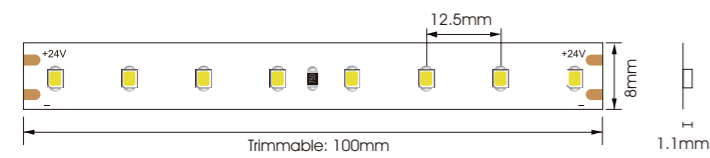




4.8W CRI95 R1-R15 > 90 80LED/m IP20 F

Electrical Data	
Light Beads	: 2835
Number Led/M	: 80pcs
Power W/m±10%	: 4.8W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >95
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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



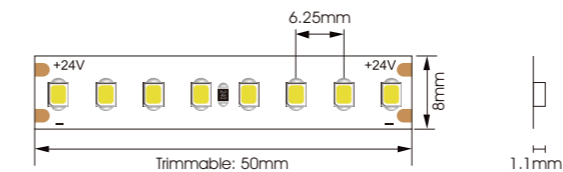
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF2480T09-8A26	4.8	2700	100	480	>95/>90	F	<5	20(54/66/67)
CLT-INNF2480T09-8A26	4.8	3000	110	528	>95/>90	F	<5	20(54/66/67)
CLT-DNNF2480T09-8A26	4.8	4000	115	552	>95/>90	F	<5	20(54/66/67)

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

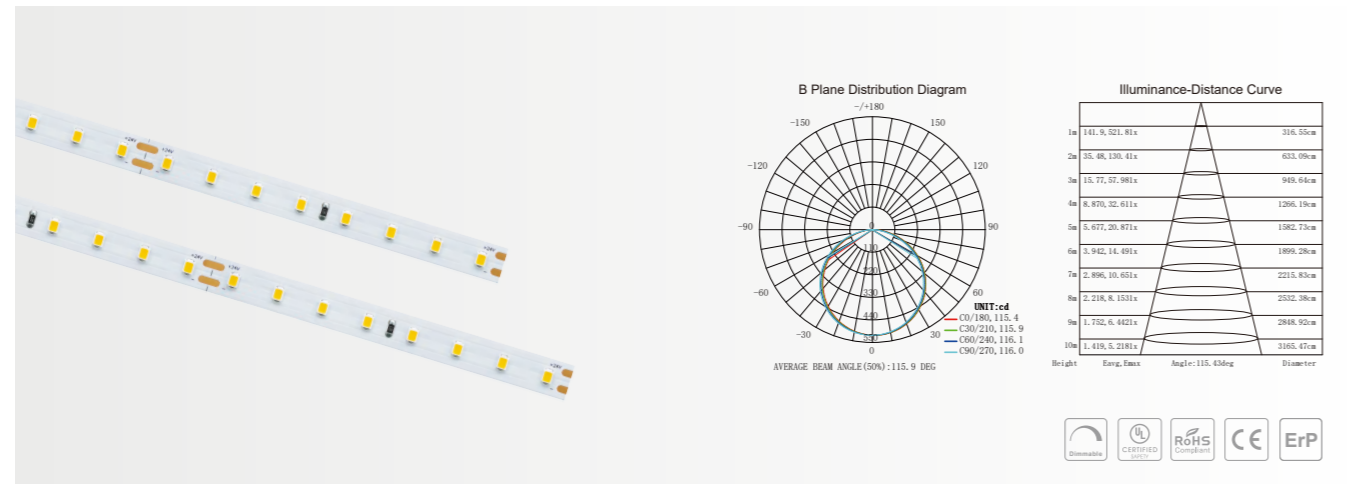
Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >95
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

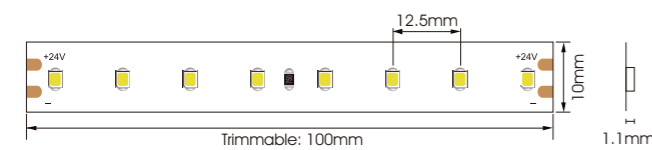
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24160T09-8A26	9.6	2700	100	960	>95/>90	F	<5	20(54/66/67)
CLT-INNF24160T09-8A26	9.6	3000	110	1056	>95/>90	F	<5	20(54/66/67)
CLT-DNNF24160T09-8A26	9.6	4000	115	1104	>95/>90	F	<5	20(54/66/67)



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

Electrical Data	
Light Beads	: 2835
Number Led/M	: 80pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >95
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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

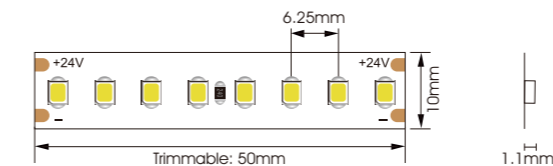
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24080T09-0A66	14.4	2700	95	1368	>95/>90	F	<5	20(54/66/67)
CLT-INNF24080T09-0A66	14.4	3000	100	1440	>95/>90	F	<5	20(54/66/67)
CLT-DNNF24080T09-0A66	14.4	4000	105	1512	>95/>90	F	<5	20(54/66/67)



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

Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >95
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24160T09-0A26	19.2	2700	95	1824	>95/>90	F	<5	20(54/66/67)
CLT-INNF24160T09-0A26	19.2	3000	100	1920	>95/>90	F	<5	20(54/66/67)
CLT-DNNF24160T09-0A26	19.2	4000	105	2016	>95/>90	F	<5	20(54/66/67)



APPLICATION SCENARIOS

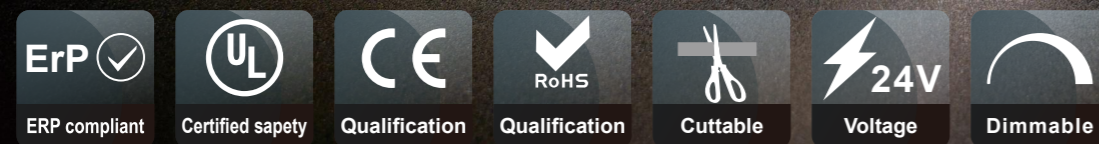
BLOOM SERIES

ULTRA-NARROW LED STRIP

2110 9.6W CRI90 168LED/m IP20 G

2835 9.6W CRI90 140LED/m IP20 G

2835 9.6W CRI90 144LED/m IP20 G

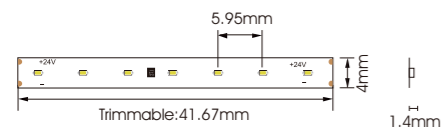




9.6W CRI90 168LED/m IP20 G

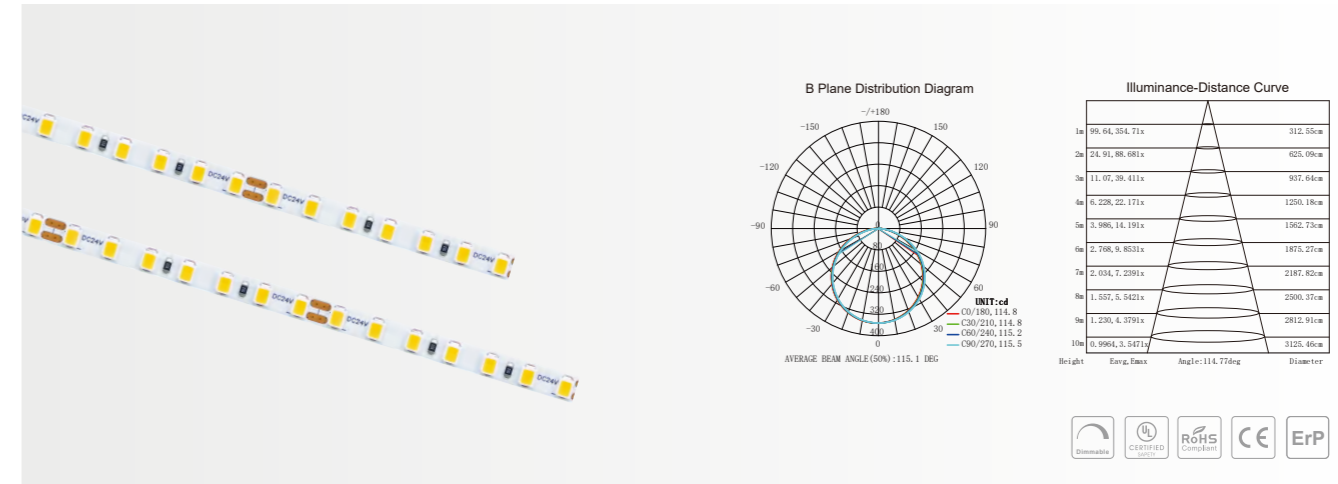
Electrical Data	
Light Beads	: 2110
Number Led/M	: 168pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 4mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 41.67mm

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

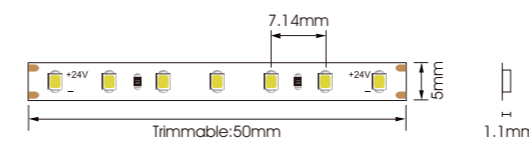
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24168T10-BA39	9.6	2700	77	740	>90/>40		<5	20(54/66/67)
CLT-INNF24168T10-BA39	9.6	3000	80	760	>90/>40		<5	20(54/66/67)
CLT-DNNF24168T10-BA39	9.6	4000	85	820	>90/>40		<5	20(54/66/67)
CLT-WNNF24168T10-BA39	9.6	6500	85	820	>90/>40		<5	20(54/66/67)



9.6W CRI90 140LED/m IP20 F

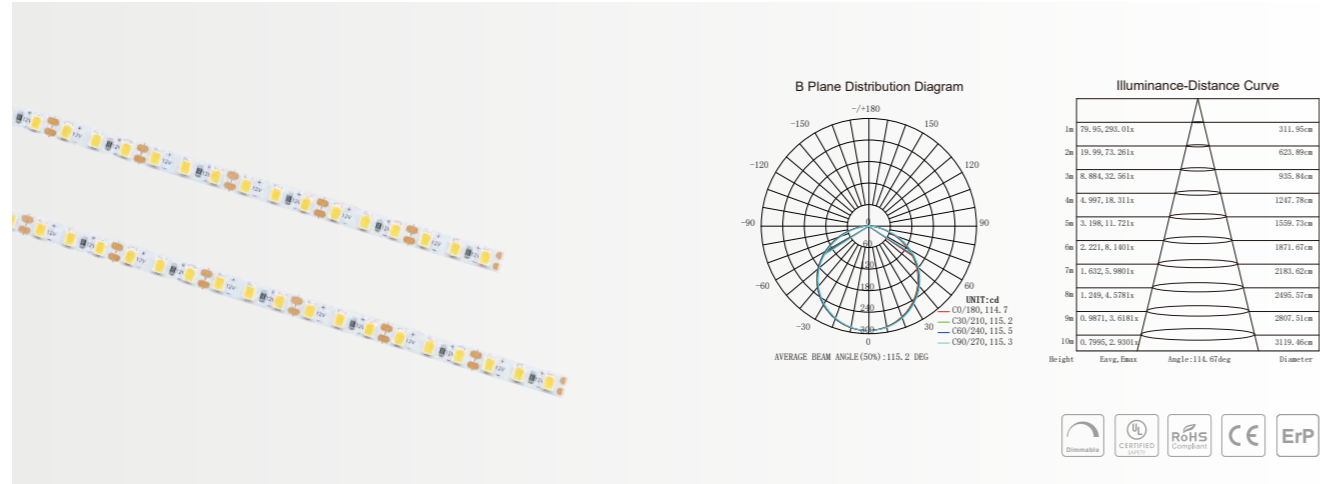
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 5mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

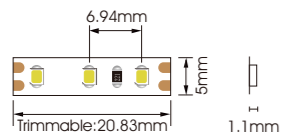
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24140T09-5A29	9.6	2700	76	730	>90/>40		<5	20(54/66/67)
CLT-INNF24140T09-5A29	9.6	3000	78	750	>90/>40		<5	20(54/66/67)
CLT-DNNF24140T09-5A29	9.6	4000	83	800	>90/>40		<5	20(54/66/67)
CLT-WNNF24140T09-5A29	9.6	6500	83	800	>90/>40		<5	20(54/66/67)



9.6W CRI90 144LED/m IP20 G

Electrical Data	
Light Beads	: 2835
Number Led/M	: 144pcs
Power W/m±10%	: 9.6W
Voltage	: 12V
PCB Width	: 5mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 20.83mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF12144T09-5A29	9.6	2700	77	740	>90/>40		<5	20(54/66/67)
CLT-INNF12144T09-5A29	9.6	3000	80	770	>90/>40		<5	20(54/66/67)
CLT-DNNF12144T09-5A29	9.6	4000	85	820	>90/>40		<5	20(54/66/67)
CLT-WNNF12144T09-5A29	9.6	6500	85	820	>90/>40		<5	20(54/66/67)



APPLICATION SCENARIOS

HONOR SERIES

2216 LED STRIP

4.8W CRI90 70LED/m IP20 F

9.6W CRI90 140LED/m IP20 F

14.4W CRI90 210LED/m IP20 F

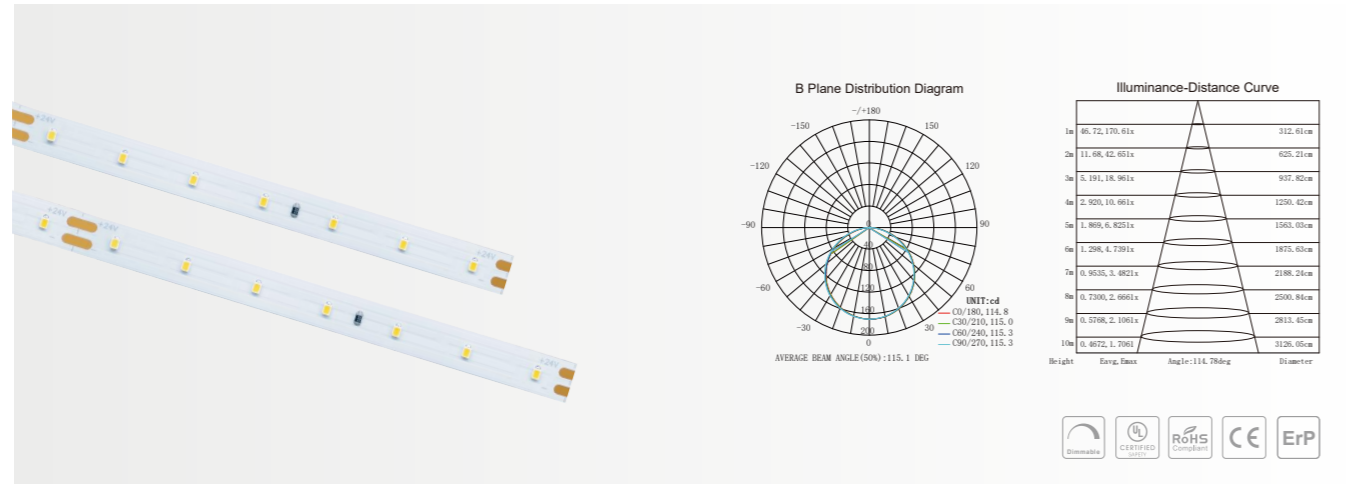
19.2W CRI90 280LED/m IP20 F

19.2W CRI90 240LED/m IP20

24W CRI90 300LED/m IP20

24W CRI90 350LED/m IP20

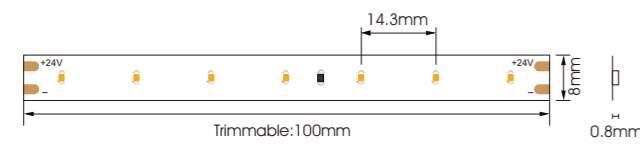




4.8W CRI90 70LED/m IP20 D

Electrical Data	
Light Beads	: 2216
Number Led/M	: 70pcs
Power W/m±10%	: 4.8W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

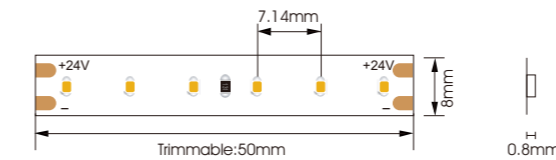
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



9.6W CRI90 140LED/m IP20 F

Electrical Data	
Light Beads	: 2216
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24070T16-8A29	4.8	2700	96	460	>90/>40	F	<5	20(54/66/67)
CLT-INNF24070T16-8A29	4.8	3000	98	470	>90/>40	F	<5	20(54/66/67)
CLT-DNNF24070T16-8A29	4.8	4000	104	500	>90/>40	F	<5	20(54/66/67)
CLT-WNNF24070T16-8A29	4.8	6000	104	500	>90/>40	F	<5	20(54/66/67)

Product parameters

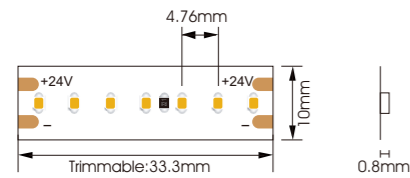
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24140T16-8A29	9.6	2700	93	892	>90/>40	F	<5	20(54/66/67)
CLT-INNF24140T16-8A29	9.6	3000	94	902	>90/>40	F	<5	20(54/66/67)
CLT-DNNF24140T16-8A29	9.6	4000	100	960	>90/>40	F	<5	20(54/66/67)
CLT-WNNF24140T16-8A29	9.6	6000	100	960	>90/>40	F	<5	20(54/66/67)



14.4W CRI90 210LED/m IP20 F

Electrical Data	
Light Beads	: 2216
Number Led/M	: 210pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 33.3mm

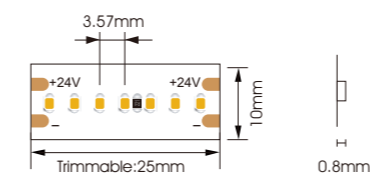
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



19.2W CRI90 280LED/m IP20 F

Electrical Data	
Light Beads	: 2216
Number Led/M	: 280pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24210T16-0A29	14.4	2700	90	1296	>90/>40	F	<5	20(54/66/67)
CLT-INNF24210T16-0A29	14.4	3000	95	1368	>90/>40	F	<5	20(54/66/67)
CLT-DNNF24210T16-0A29	14.4	4000	100	1440	>90/>40	F	<5	20(54/66/67)
CLT-WNNF24210T16-0A29	14.4	6000	100	1440	>90/>40	F	<5	20(54/66/67)

Product parameters

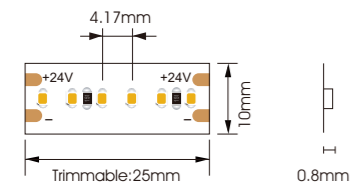
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24280T16-0A29	19.2	2700	96	1844	>90/>40	F	<5	20(54/66/67)
CLT-INNF24280T16-0A29	19.2	3000	97	1862	>90/>40	F	<5	20(54/66/67)
CLT-DNNF24280T16-0A29	19.2	4000	102	1958	>90/>40	F	<5	20(54/66/67)
CLT-WNNF24280T16-0A29	19.2	6000	102	1958	>90/>40	F	<5	20(54/66/67)



19.2W CRI90 240LED/m IP20

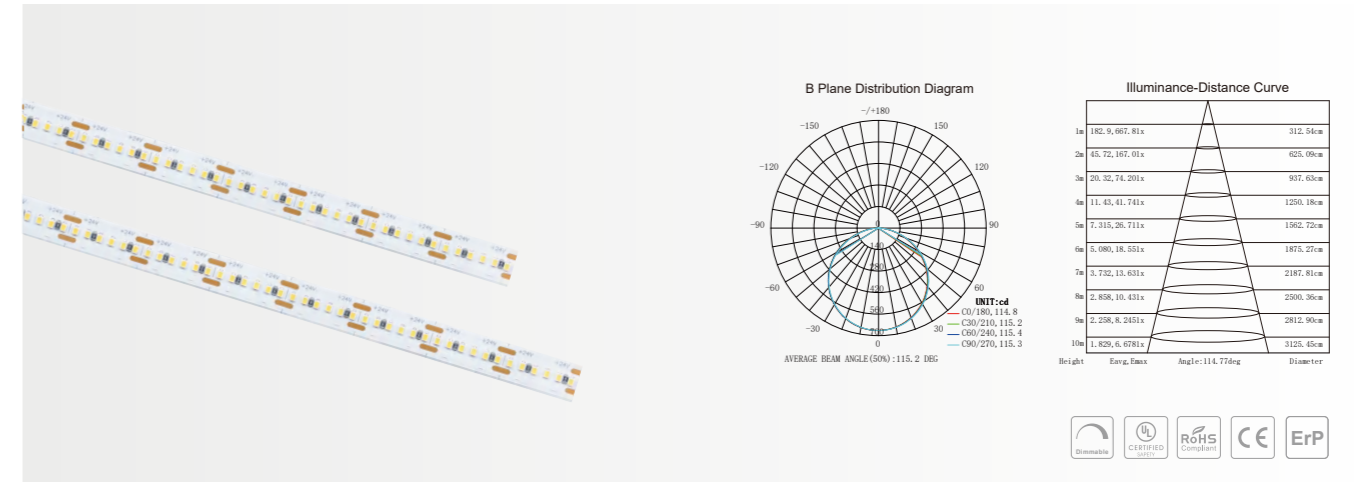
Electrical Data	
Light Beads	: 2216
Number Led/M	: 240pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

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

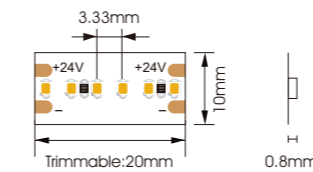
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24240T16-0A29	19.2	2700	75	1440	>90/>40	/	≤5	20(54/66/67)
CLT-INNF24240T16-0A29	19.2	3000	80	1536	>90/>40	/	≤5	20(54/66/67)
CLT-DNNF24240T16-0A29	19.2	4000	87	1670	>90/>40	/	≤5	20(54/66/67)
CLT-WNNF24240T16-0A29	19.2	6000	87	1670	>90/>40	/	≤5	20(54/66/67)



24W CRI90 300LED/m IP20

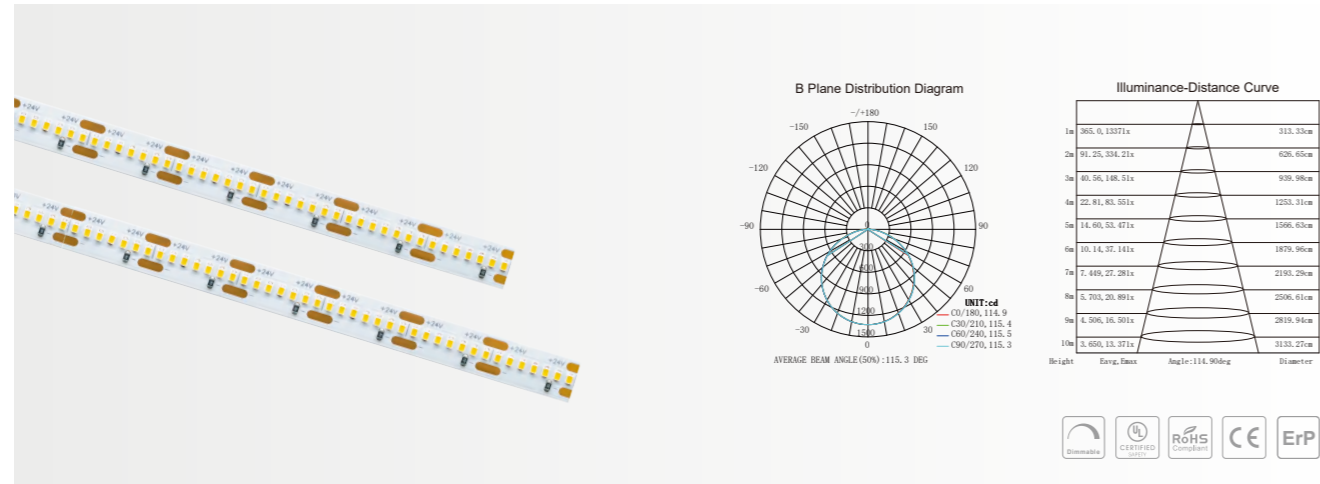
Electrical Data	
Light Beads	: 2216
Number Led/M	: 300pcs
Power W/m±10%	: 24W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 20mm

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

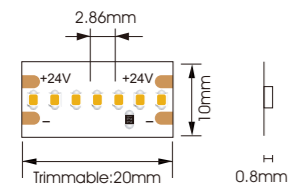
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24240T16-0A29	24	2700	75	1800	>90/>40	/	≤5	20(54/66/67)
CLT-INNF24240T16-0A29	24	3000	80	1920	>90/>40	/	≤5	20(54/66/67)
CLT-DNNF24240T16-0A29	24	4000	87	2088	>90/>40	/	≤5	20(54/66/67)
CLT-WNNF24240T16-0A29	24	6000	87	2088	>90/>40	/	≤5	20(54/66/67)



24W CRI90 350LED/m IP20

Electrical Data	
Light Beads	: 2216
Number Led/M	: 350pcs
Power W/m±10%	: 24W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 20mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNNF24350T16-0A29	24	2700	90	2160	>90/>40	/	<5	20(54/66/67)
CLT-INNF24350T16-0A29	24	3000	95	2280	>90/>40	/	<5	20(54/66/67)
CLT-DNNF24350T16-0A29	24	4000	100	2400	>90/>40	/	<5	20(54/66/67)
CLT-WNNF24350T16-0A29	24	6000	100	2400	>90/>40	/	<5	20(54/66/67)



APPLICATION SCENARIOS

HONOR SERIES

2216 PRO LED STRIP

10W CRI90 120LED/m IP20 F

10W CRI90 200LED/m IP20 F

6W CRI90 240LED/m IP20 F (Ultra-narrow)

15W CRI90 280LED/m IP20 F

15W CRI90 320LED/m IP20 F

20W CRI90 320LED/m IP20 F

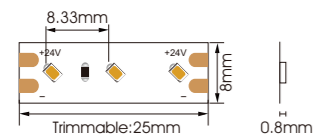




10W CRI90 120LED/m IP20 F

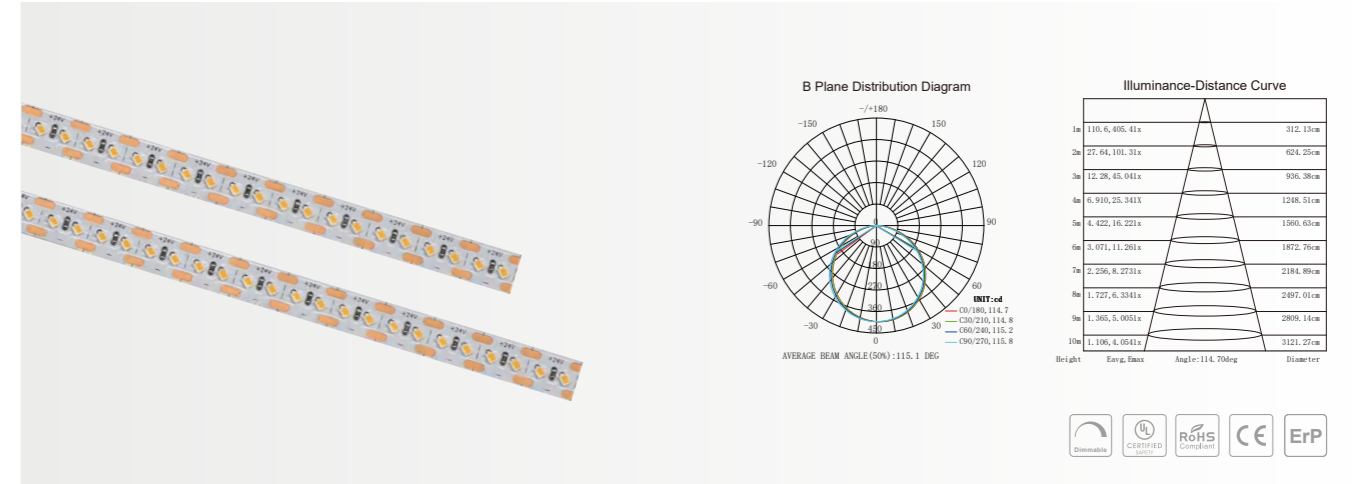
Electrical Data	
Light Beads	: 2216
Number Led/M	: 120pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

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

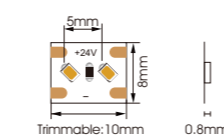
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24120T16-8A19	10	2700	100	1000	>90/>40	F	<5	20(54/66)
CLT-INGF24120T16-8A19	10	3000	107	1070	>90/>40	F	<5	20(54/66)
CLT-DNGF24120T16-8A19	10	4000	119	1190	>90/>40	F	<5	20(54/66)
CLT-WNGF24120T16-8A19	10	6500	110	1100	>90/>40	F	<5	20(54/66)



10W CRI90 200LED/m IP20 F

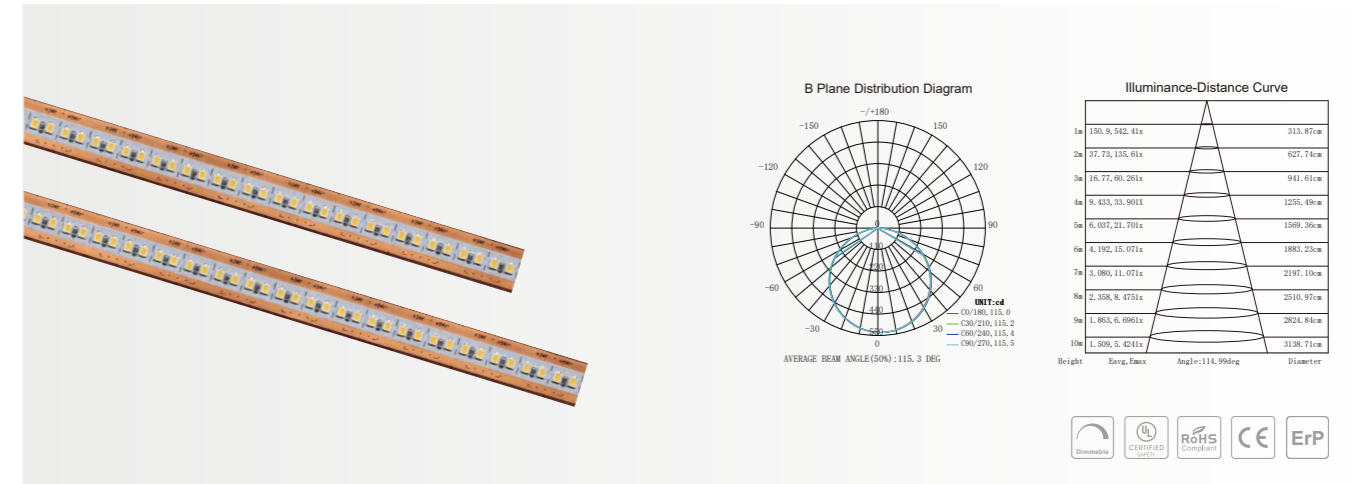
Electrical Data	
Light Beads	: 2216
Number Led/M	: 200pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 10mm

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

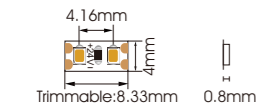
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24200T16-8A19	10	2700	101	1010	>90/>40	F	<5	20(54/66)
CLT-INGF24200T16-8A19	10	3000	108	1080	>90/>40	F	<5	20(54/66)
CLT-DNGF24200T16-8A19	10	4000	121	1210	>90/>40	F	<5	20(54/66)
CLT-WNGF24200T16-8A19	10	6000	112	1120	>90/>40	F	<5	20(54/66)



6W CRI90 240LED/m IP20 F Ultra-narrow

Electrical Data	
Light Beads	: 2216
Number Led/M	: 240pcs
Power W/m±10%	: 6W
Voltage	: 24V
PCB Width	: 4mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 8.33mm

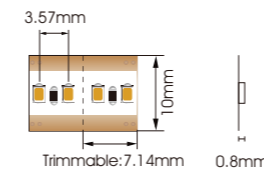
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



15W CRI90 280LED/m IP20 F

Electrical Data	
Light Beads	: 2216
Number Led/M	: 280pcs
Power W/m±10%	: 15W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 7.14mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24240T16-BA19	6	2700	104	624	>90/>40	F	≤5	20/66
CLT-INGF24240T16-BA19	6	3000	109	654	>90/>40	F	≤5	20/66
CLT-DNGF24240T16-BA19	6	4000	122	732	>90/>40	F	≤5	20/66
CLT-WNGF24240T16-BA19	6	6500	114	684	>90/>40	F	≤5	20/66

Product parameters

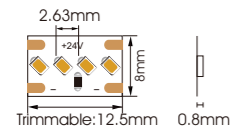
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24280T16-0A19	15	2700	99	1485	>90/>40	F	≤5	20/66
CLT-INGF24280T16-0A19	15	3000	105	1575	>90/>40	F	≤5	20/66
CLT-DNGF24280T16-0A19	15	4000	117	1755	>90/>40	F	≤5	20/66
CLT-WNGF24280T16-0A19	15	6500	109	1635	>90/>40	F	≤5	20/66



15W CRI90 320LED/m IP20 F

Electrical Data	
Light Beads	: 2216
Number Led/M	: 320pcs
Power W/m±10%	: 15W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 4m
Cut Size	: 12.5mm

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

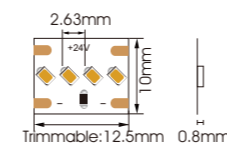
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24320T16-8A19	15	2700	99	1485	>90/>40	F	≤5	20(54/66)
CLT-INGF24320T16-8A19	15	3000	106	1590	>90/>40	F	≤5	20(54/66)
CLT-DNGF24320T16-8A19	15	4000	118	1770	>90/>40	F	≤5	20(54/66)
CLT-WNGF24320T16-8A19	15	6500	109	1635	>90/>40	F	≤5	20(54/66)



20W CRI90 320LED/m IP20 F

Electrical Data	
Light Beads	: 2216
Number Led/M	: 320pcs
Power W/m±10%	: 20W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 4m
Cut Size	: 12.5mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNGF24320T16-0A19	20	2700	99	1980	>90/>40	F	≤5	20(54/66)
CLT-INGF24320T16-0A19	20	3000	106	2120	>90/>40	F	≤5	20(54/66)
CLT-DNGF24320T16-0A19	20	4000	117	2340	>90/>40	F	≤5	20(54/66)
CLT-WNGF24320T16-0A19	20	6500	109	2180	>90/>40	F	≤5	20(54/66)



APPLICATION SCENARIOS

PASSION SERIES

2835 RGB SMD LED STRIP

12W 120LED/m 24V RGB 6mm

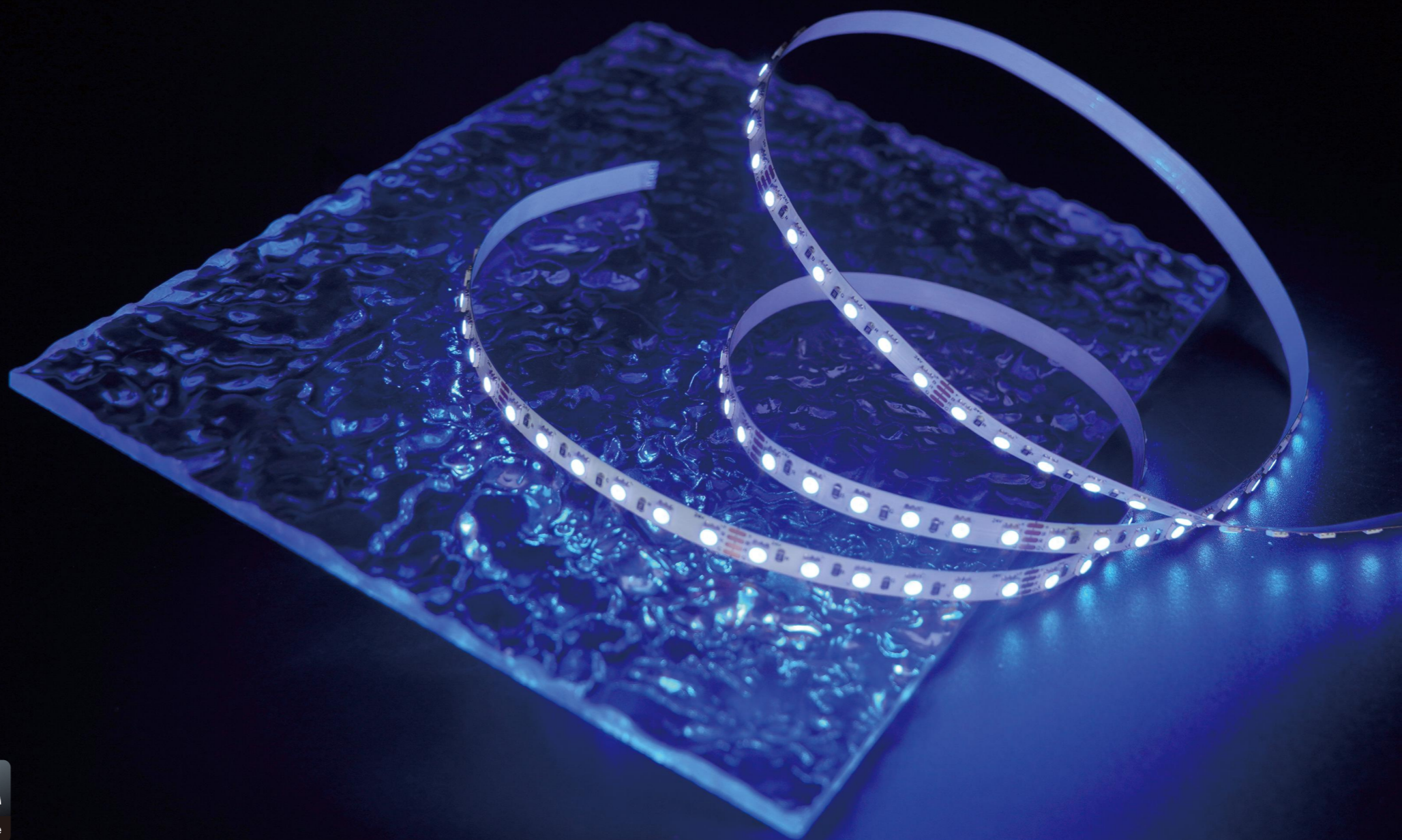
10W 120LED/m 12V RGB

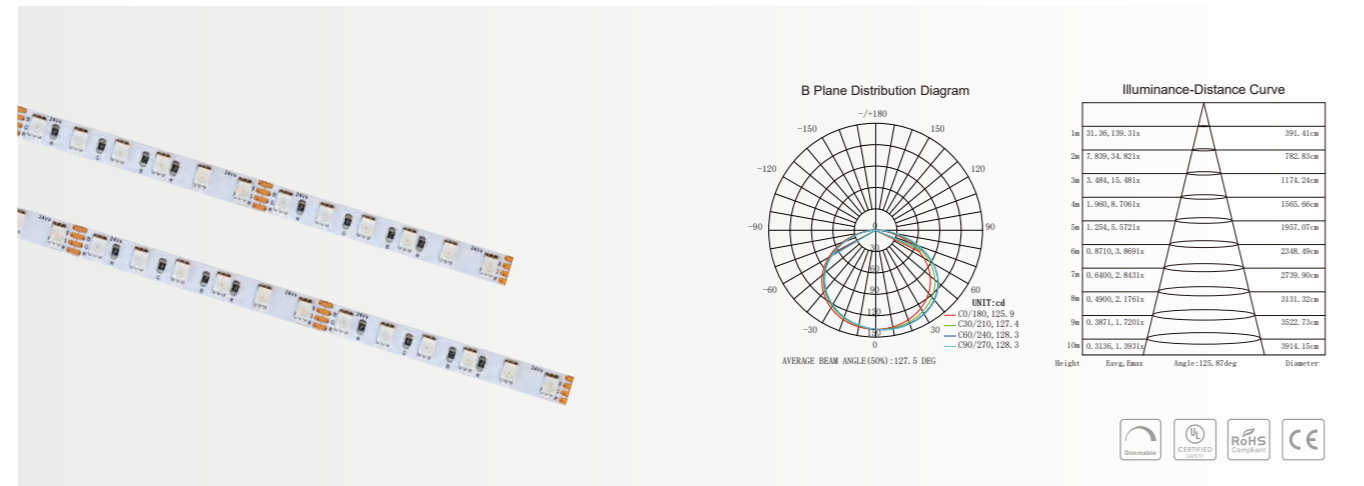
14.4W 120LED/m 24V RGB

12W 180LED/m 24V RGB

20W 240LED/m 24V RGB+W

24W 288LED/m 24V RGB+WW



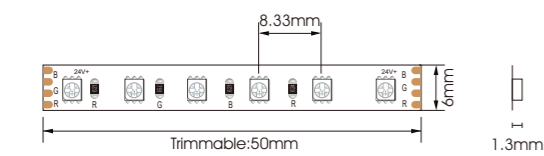


12W 120LED/m 24V RGB

Ultra-narrow

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 12W
Voltage	: 24V
PCB Width	: 6mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

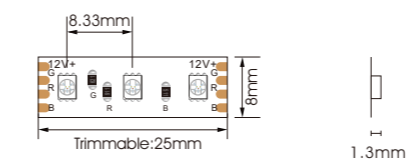
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



10W 120LED/m 12V RGB

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 10W
Voltage	: 12V
PCB Width	: 8mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

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

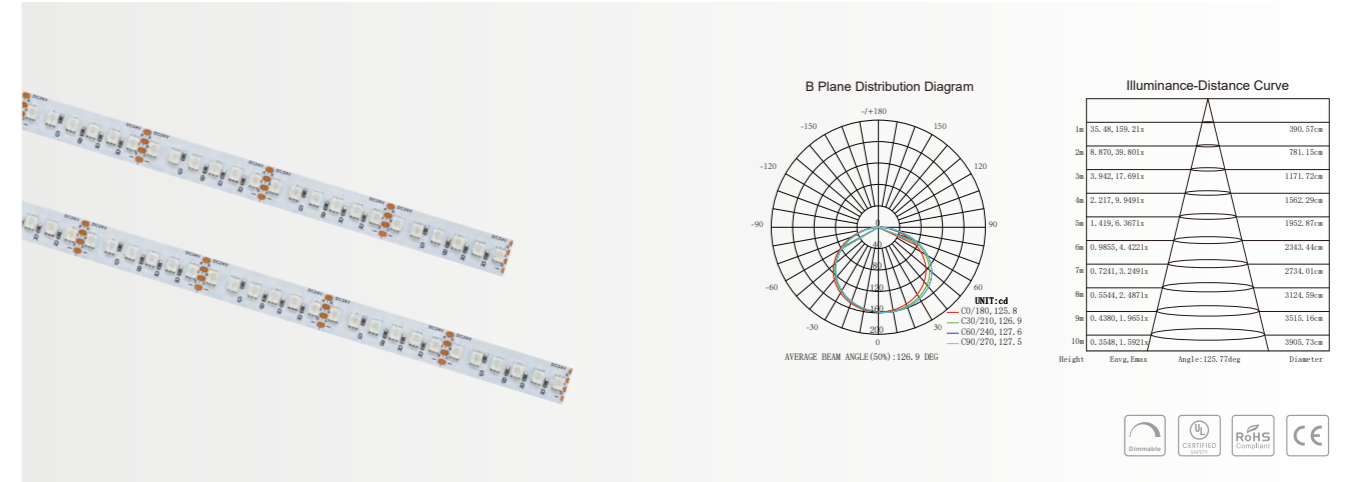
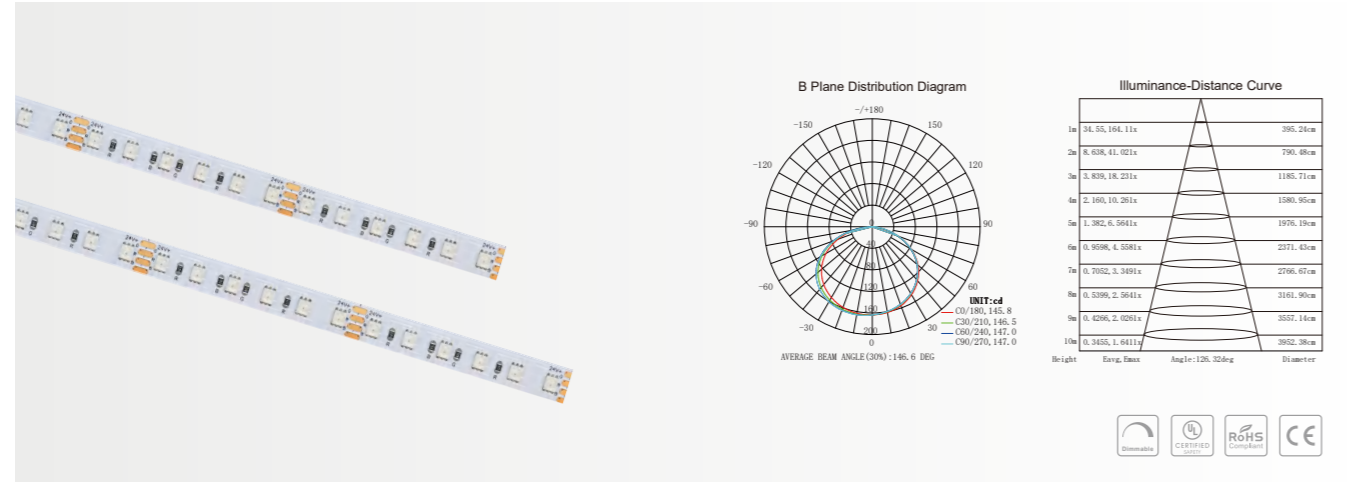


Product parameters

Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF24120T09-6A30	12	24	R	620-630	108	/	/	20(54/66/67)
	12	24	G	515-525	320	/	/	20(54/66/67)
	12	24	B	460-470	68	/	/	20(54/66/67)
	12	24	RGB	/	460	/	/	20(54/66/67)

Product parameters

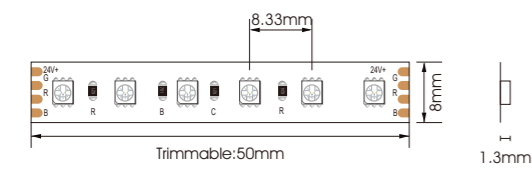
Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF12120T09-8A20	10	12	R	620-630	96	/	/	20(54/66/67)
	10	12	G	515-525	300	/	/	20(54/66/67)
	10	12	B	460-470	66	/	/	20(54/66/67)
	10	12	RGB	/	452	/	/	20(54/66/67)



14.4W 120LED/m 24V RGB

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

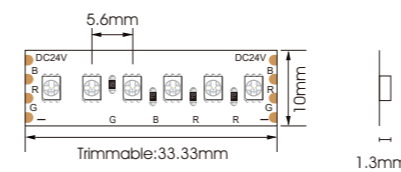
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



12W 180LED/m 24V RGB

Electrical Data	
Light Beads	: 2835
Number Led/M	: 180pcs
Power W/m±10%	: 12W
Voltage	: 24V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 33.33mm

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.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF24120T09-8A30	14.4	24	R	620-630	136	/	/	20(54/66/67)
	14.4	24	G	515-525	386	/	/	20(54/66/67)
	14.4	24	B	460-470	82	/	/	20(54/66/67)
	14.4	24	RGB	/	588	/	/	20(54/66/67)

Product parameters

Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF24180T09-0A20	12	24	R	620-630	100	/	/	20(54/66/67)
	12	24	G	515-525	360	/	/	20(54/66/67)
	12	24	B	460-470	60	/	/	20(54/66/67)
	12	24	RGB	/	500	/	/	20(54/66/67)



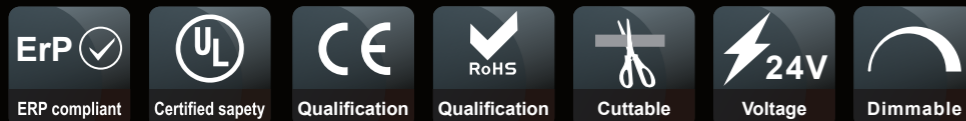
APPLICATION SCENARIOS

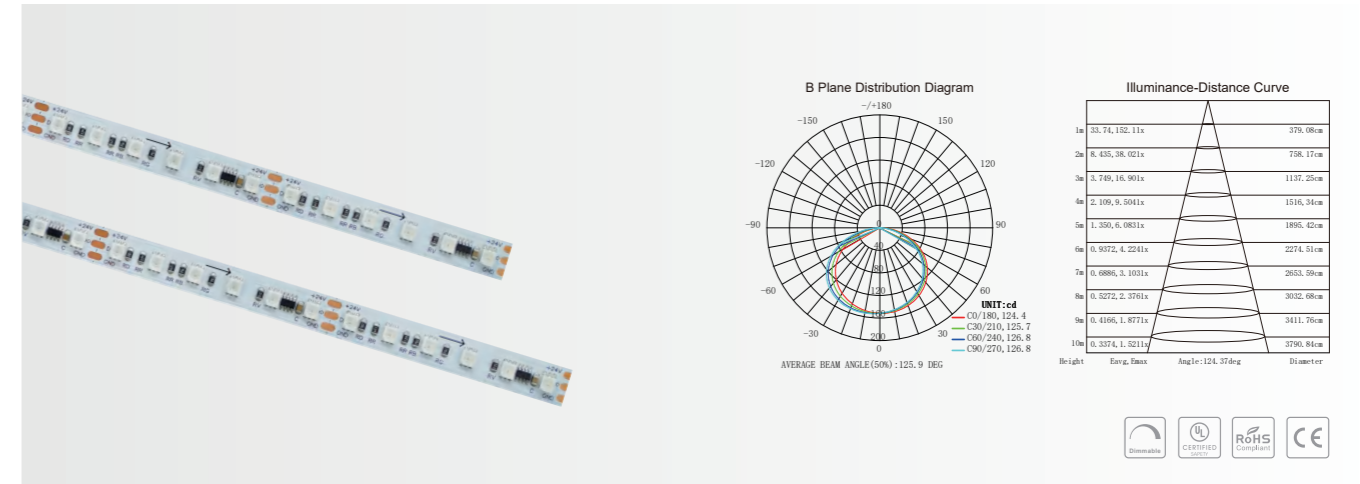
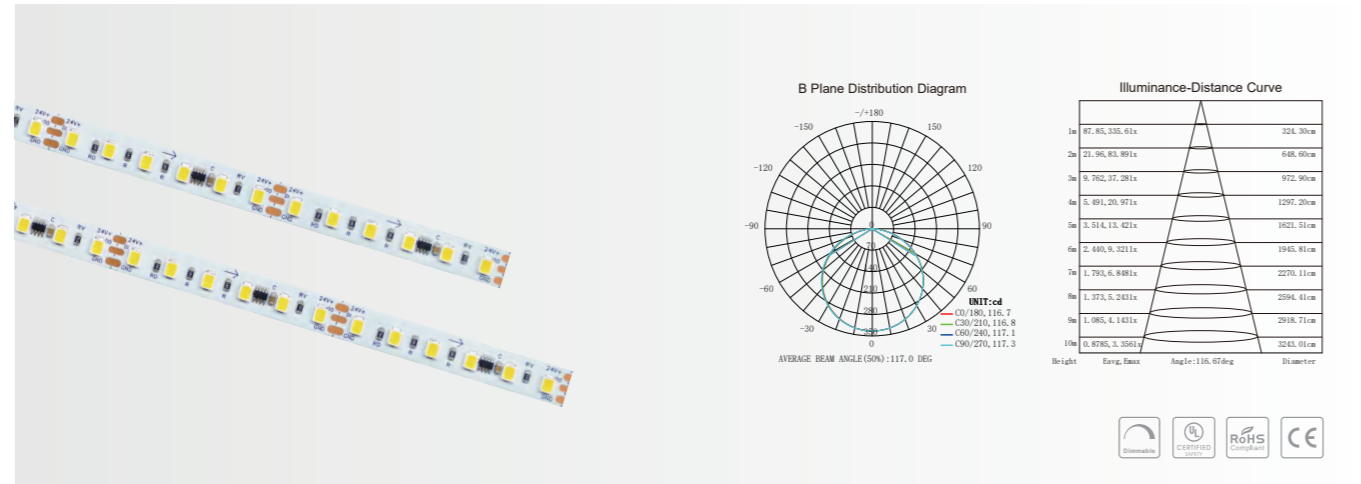
PASSION SERIES

RGB DIGITAL CHASING LED STRIP

9.6W 120LED/m 24V IP20 F

14.4W 120LED/m 24V RGB

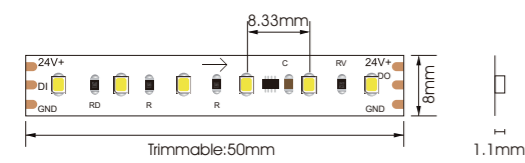




9.6W 120LED/m 24V IP20 F

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



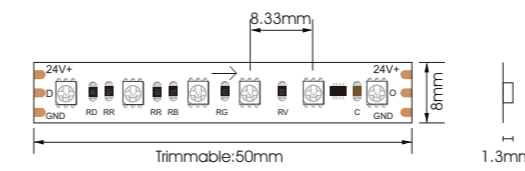
Product parameters

Part No.CTL	Power (W/M)	DC (V)	CCT (K)	LMW	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-DNNF241 20T09F-8A38	9.6	24	4000	100	960	>80/>0	F	20/66

14.4W 120LED/m 24V RGB

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF241 20T09-8A30	14.4	12	R	620-630	125	/	/	20/66
	14.4	12	G	515-525	355	/	/	20/66
	14.4	12	B	460-470	80	/	/	20/66
	14.4	12	RGB	/	525	/	/	20/66



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APPLICATION SCENARIOS

PASSION SERIES

5050 RGB SMD LED STRIP

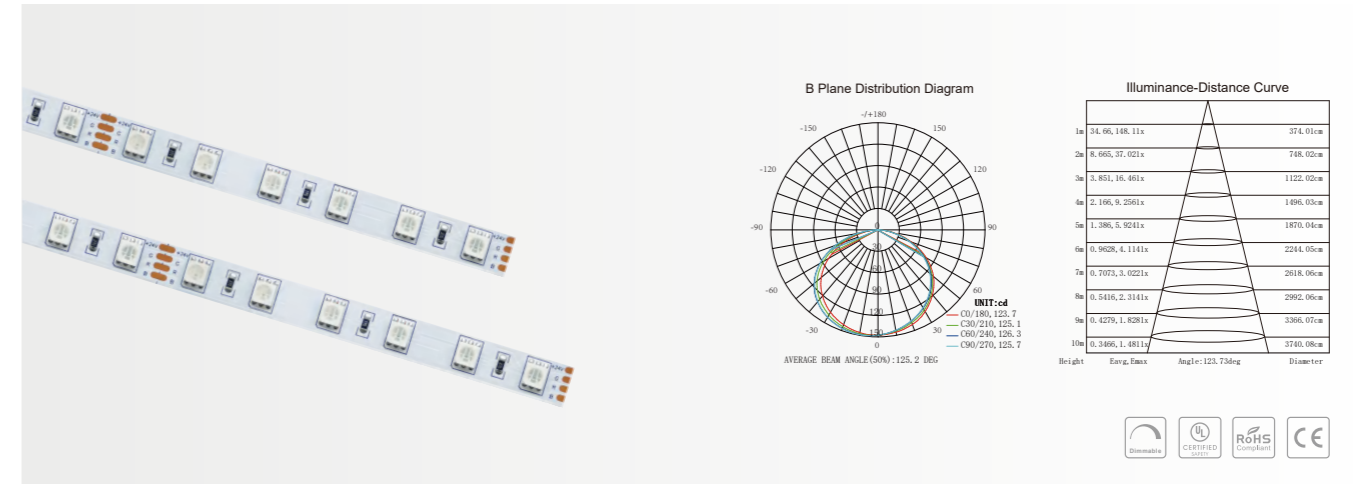
14.4W 60LED/m 12V RGB

14.4W 60LED/m 24V RGB

19.2W LED/m 24V 4in1

24W 60LED/m 24V 5in1

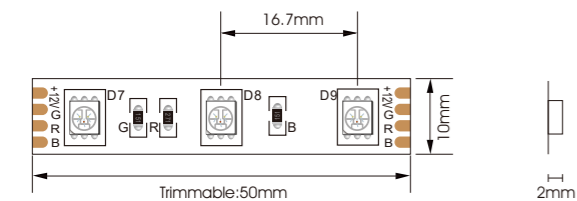




14.4W 60LED/m 12V RGB

Electrical Data	
Light Beads	: 5050
Number Led/M	: 60pcs
Power W/m±10%	: 14.4W
Voltage	: 12V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

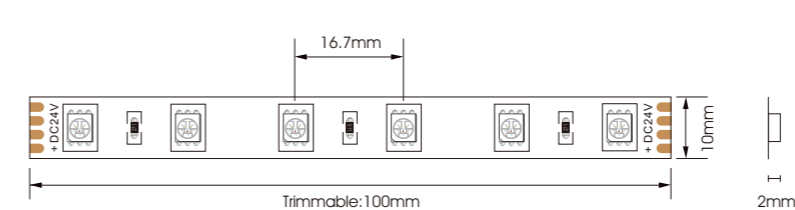
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



14.4W 60LED/m 24V RGB

Electrical Data	
Light Beads	: 5050
Number Led/M	: 60pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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

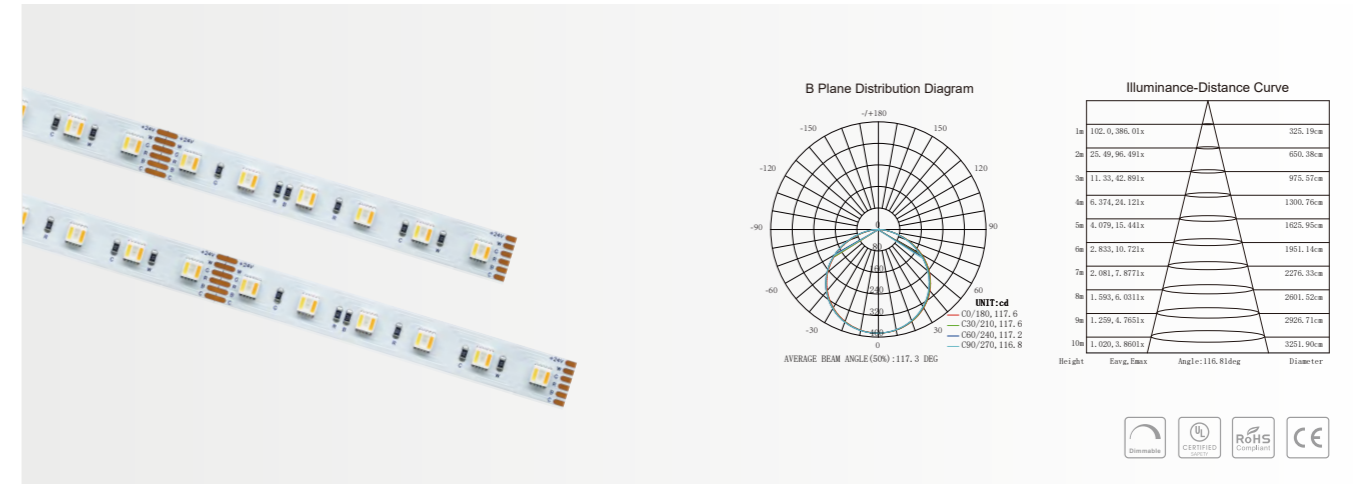


Product parameters

Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF12060T03-0A60	14.4	12	R	620-630	140	/	/	20(54/66/67)
	14.4	12	G	515-525	280	/	/	20(54/66/67)
	14.4	12	B	460-470	66	/	/	20(54/66/67)
	14.4	12	RGB	/	480	/	/	20(54/66/67)

Product parameters

Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2NF24060T03-0A60	14.4	24	R	620-630	130	/	/	20(54/66/67)
	14.4	24	G	515-525	300	/	/	20(54/66/67)
	14.4	24	B	460-470	66	/	/	20(54/66/67)
	14.4	24	RGB	/	500	/	/	20(54/66/67)



19.2W 60LED/m 24V 4in1

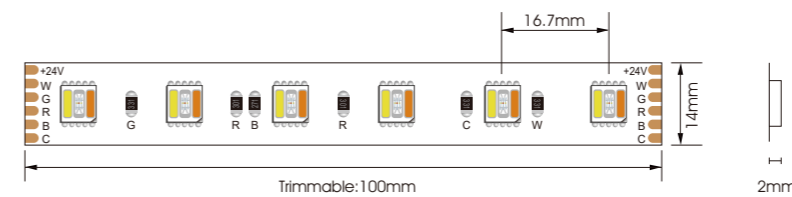
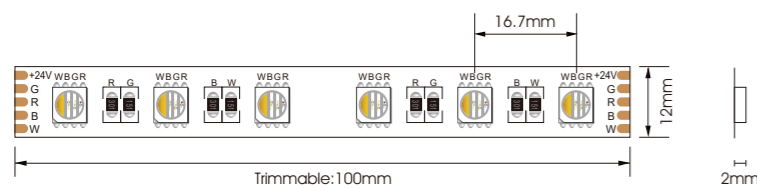
Electrical Data	
Light Beads	: 5050
Number Led/M	: 60pcs
Power W/m±10%	: 19.2W
Voltage	: 24V
PCB Width	: 12mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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

24W 60LED/m 24V 5in1

Electrical Data	
Light Beads	: 5050
Number Led/M	: 60pcs
Power W/m±10%	: 24W
Voltage	: 24V
PCB Width	: 14mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 100mm

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.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT- IRNF24060T03-2A20	19.2	24	RGB+W(3000K)	/	864	>90/>40	/	20(54/66/67)
CLT- DRNF24060T03-2A20	19.2	24	RGB+W(4000K)	/	864	>90/>40	/	20(54/66/67)
CLT- WRNF24060T03-2A20	19.2	24	RGB+W(6000K)	/	902	>90/>40	/	20(54/66/67)

Product parameters

Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-WWNF24060T03-4A28	24	24	R	615-625	130	/	/	20(54/66/67)
	24	24	G	515-525	300	/	/	20(54/66/67)
	24	24	B	460-470	66	/	/	20(54/66/67)
	24	24	W (2400K)	/	440	>90/>40	G	20(54/66/67)
	24	24	W (6500K)	/	380	>90/>40	G	20(54/66/67)
24	24	RGB+W+WW	/	1300	>90/>40	/	20(54/66/67)	



APPLICATION SCENARIOS

INFINITY SERIES

NEON LED STRIP

4x8mm Side View Neon Light

4x8mm T- shape Side View Neon Light

12V 4x8mm Mini Cut Neon Light

24V 4x8mm Mini Cut Neon Light

6x10mm Top View Neon Light

6.5x11mm Side View Neon Light

6.5x11mm Side View White digital chasing Neon Light

6.5x11mm Side View RGB digital chasing Neon Light

6.5x11mm Mini Cut Neon Light

10x10mm Top View Neon Light

10x10mm Curve Top View Neon Light

10x10mm Mini Cut Curve Top View Neon Light

10x10mm Square Top View Neon Light

10x10mm Mini Cut Square Top View Neon Light

10x10 Anti-glare Top View Black Neon Light **NEW**

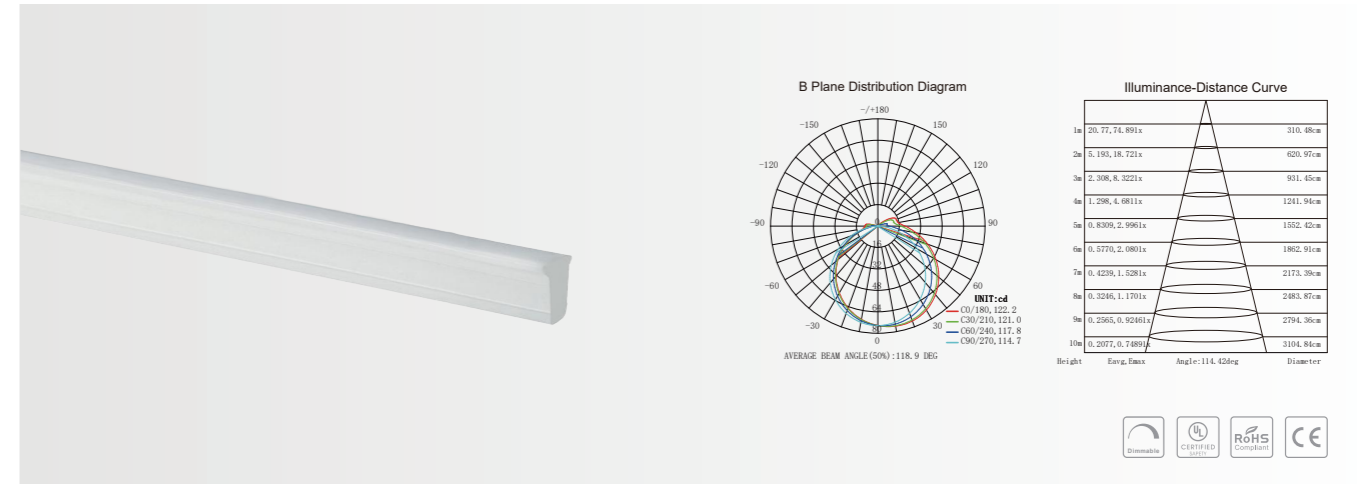
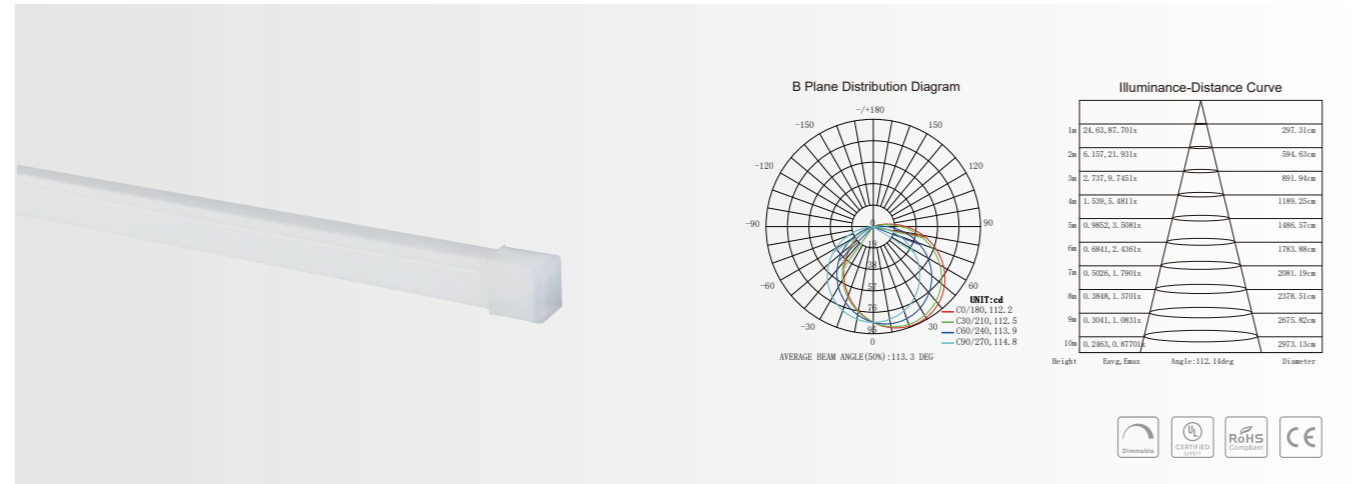
10x10 Anti-glare Free Bend White Neon Light **NEW**

10x15mm Side View Neon Light **NEW**

12x8mm CSP RGB Neon Light

12x12mm Free Bend Neon Light **NEW**

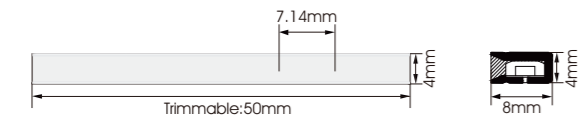




4x8mm Side View Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 5mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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 Accessores			
Part No.CTL	Name	Physical Drawing	
103305101005	Direct cable end cap		
103305101004	Sealing end cap		
103305101017	Mini sealing end cap		
103305101018	Mini cable end cap		
101107101002	Stainless steel clip		
101101101093	Aluminum clip		
102206105057	PVC channel		
101101101081	Aluminum channel		
101104101001	Flexible profile		

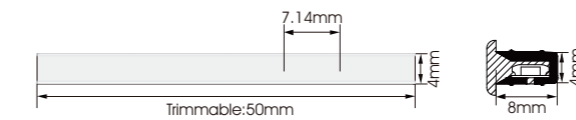
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-5A29	9.6	2700	26	249	>90/>40	/	/	66
CLT-INQF24140T09-5A29	9.6	3000	27	259	>90/>40	/	/	66
CLT-DNQF24140T09-5A29	9.6	4000	25	240	>90/>40	/	/	66
CLT-FNQF24140T09-5A29	9.6	5000	25	240	>90/>40	/	/	66

4x8mm T-shape Side View Neon Light

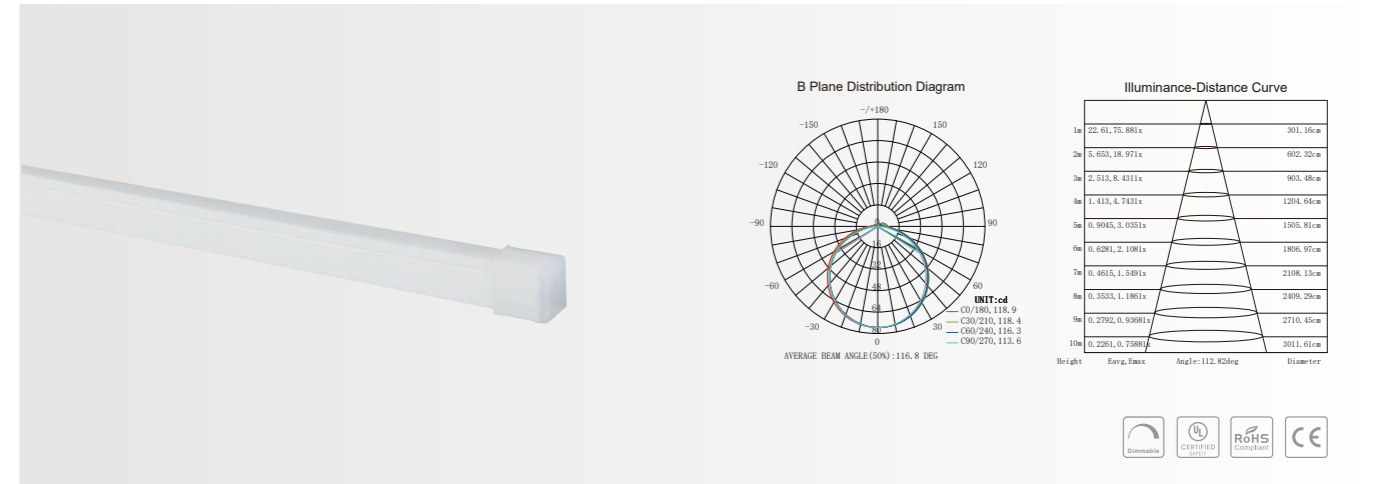
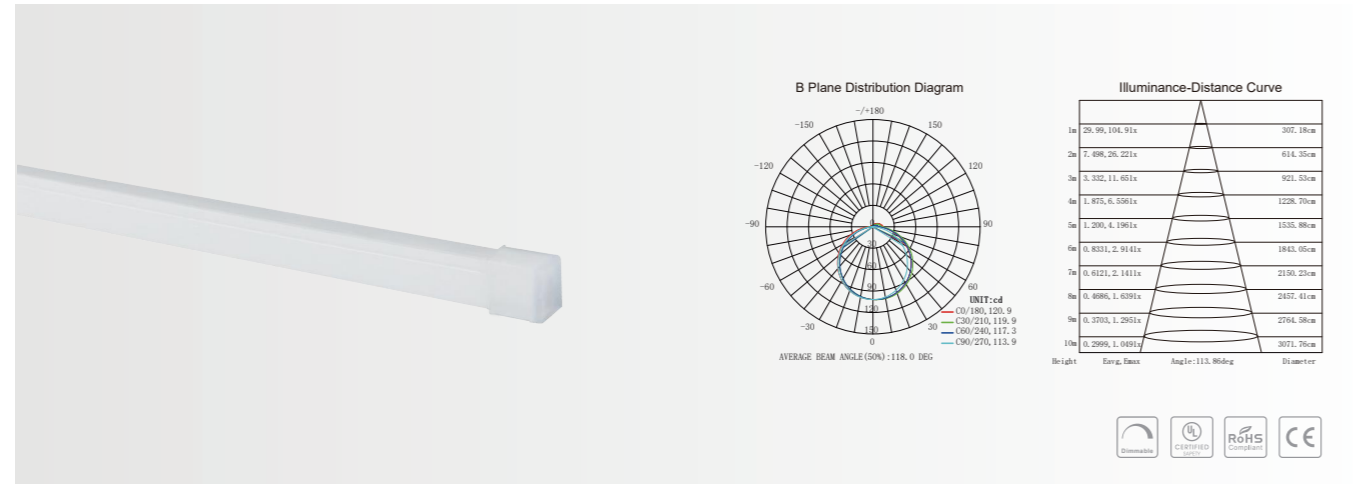
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 5mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-5A29	9.6	2700	32	307	>90/>40	/	/	66
CLT-INQF24140T09-5A29	9.6	3000	33	316	>90/>40	/	/	66
CLT-DNQF24140T09-5A29	9.6	4000	30	288	>90/>40	/	/	66
CLT-FNQF24140T09-5A29	9.6	5000	30	288	>90/>40	/	/	66

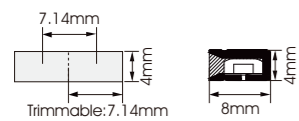


12V 4x8mm Mini Cut Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 12V
PCB Width	: 5mm
CRI	: >90
Max length (30% lumen drop)	: 2.5m
Cut Size	: 7.14mm

Product Accessories		
Part No.CTL	Name	Physical Drawing
103305101005	Direct cable end cap	
103305101004	Sealing end cap	
103305101017	Mini sealing end cap	
103305101018	Mini cable end cap	
101107101002	Stainless steel clip	
101101101093	Aluminum clip	
102206105057	PVC channel	
101101101081	Aluminum channel	
101104101001	Flexible profile	

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

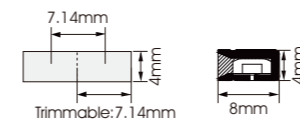
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF12140T09-5A29	9.6	2700	30	288	>90/>40	/	/	66
CLT-INQF12140T09-5A29	9.6	3000	30	288	>90/>40	/	/	66
CLT-DNQF12140T09-5A29	9.6	4000	32	307	>90/>40	/	/	66
CLT-FNQF12140T09-5A29	9.6	5000	32	307	>90/>40	/	/	66

24V 4x8mm Mini Cut Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 5mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 7.14mm

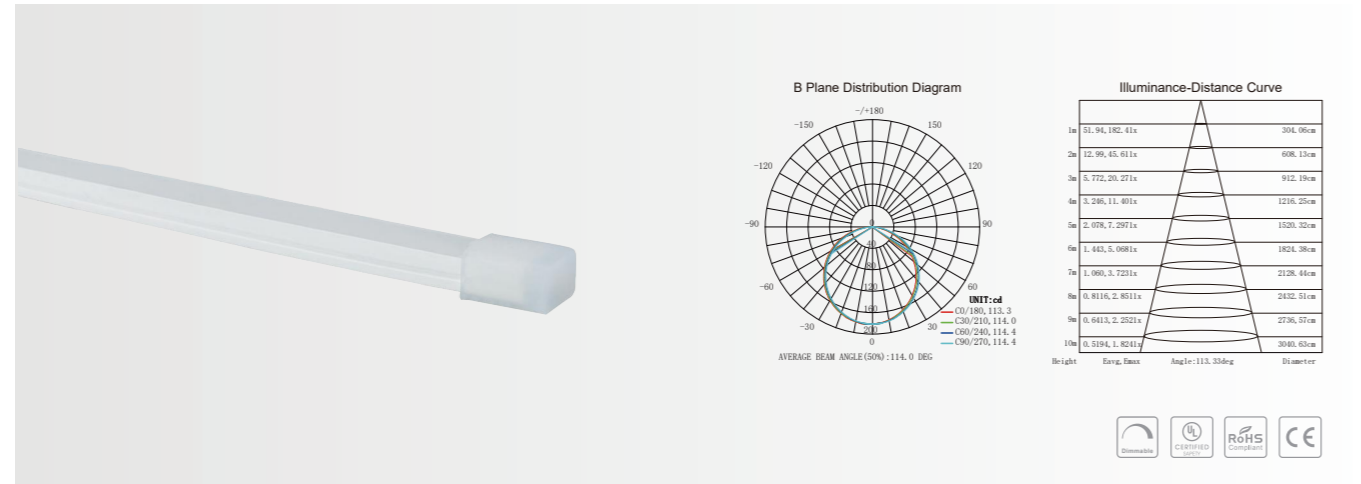
Product Accessories		
Part No.CTL	Name	Physical Drawing
103305101005	Direct cable end cap	
103305101004	Sealing end cap	
103305101017	Mini sealing end cap	
103305101018	Mini cable end cap	
101107101002	Stainless steel clip	
101101101093	Aluminum clip	
102206105057	PVC channel	
101101101081	Aluminum channel	
101104101001	Flexible profile	

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

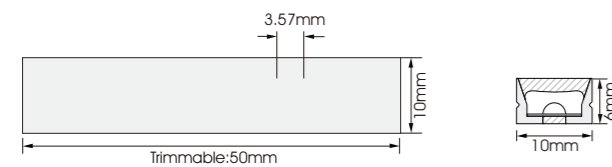
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-5A19	9.6	2700	24	230	>90/>40	/	/	66
CLT-INQF24140T09-5A19	9.6	3000	24	230	>90/>40	/	/	66
CLT-DNQF24140T09-5A19	9.6	4000	25	240	>90/>40	/	/	66
CLT-FNQF24140T09-5A19	9.6	5000	24	230	>90/>40	/	/	66



6x10mm Top View Neon Light

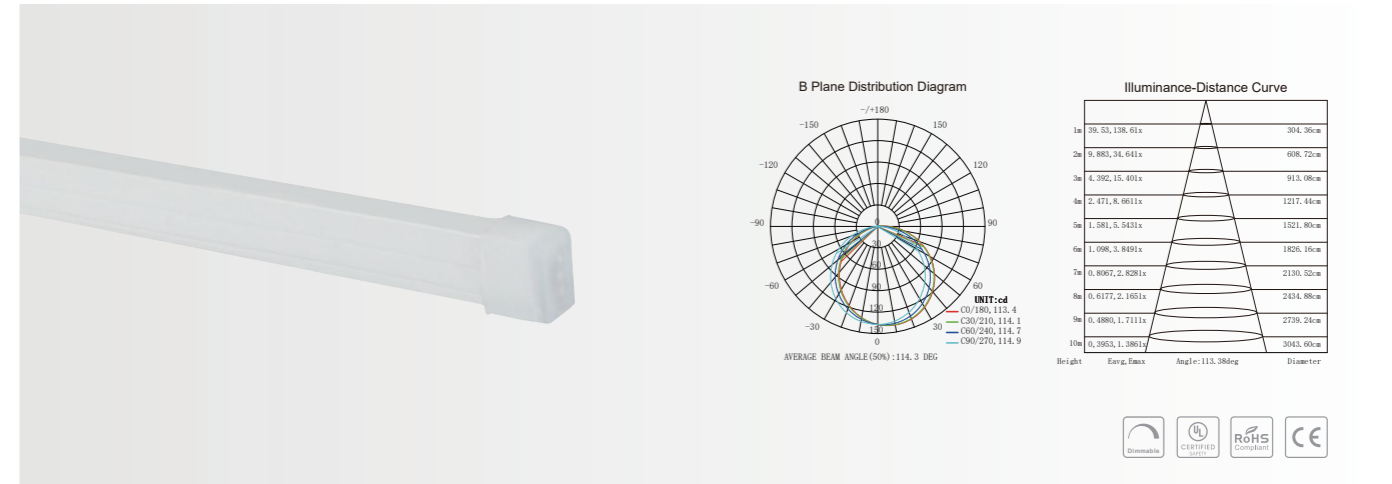
Electrical Data	
Light Beads	: CSP
Number Led/M	: 280pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

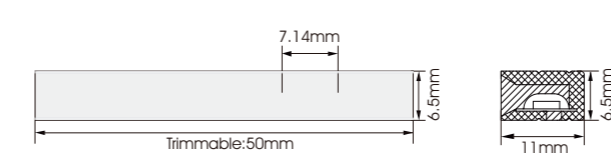
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24280T00-8A19	9.6	2700	62	595	>90/>40	/	/	66
CLT-INQF24280T00-8A19	9.6	3000	65	624	>90/>40	/	/	66
CLT-DNQF24280T00-8A19	9.6	4000	63	604	>90/>40	/	/	66
CLT-WNQF24280T00-8A19	9.6	6500	62	595	>90/>40	/	/	66



6.5x11mm side View Neon Light

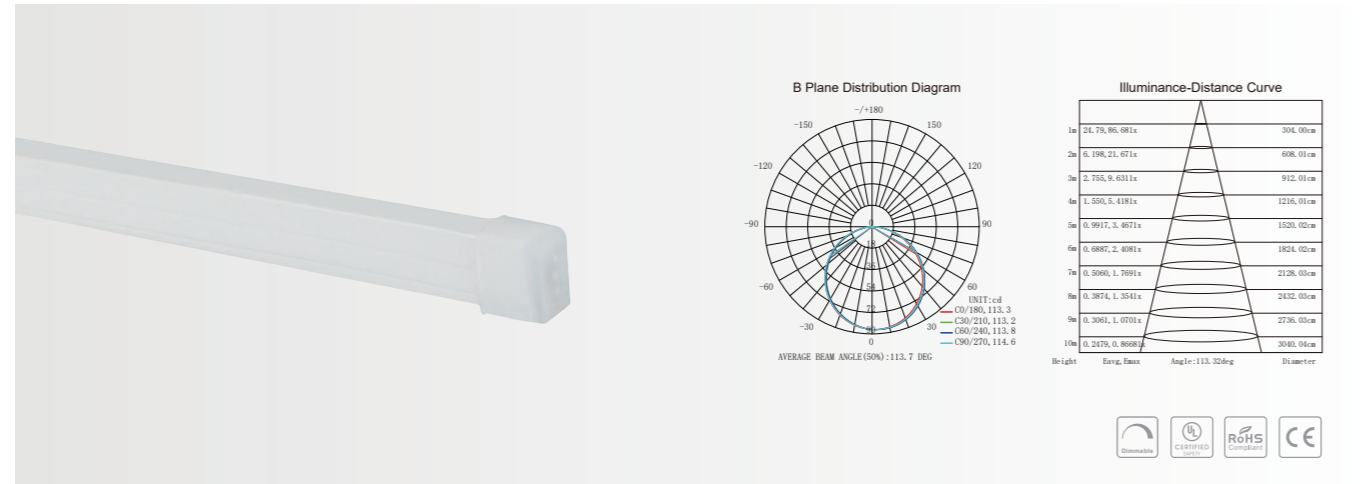
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

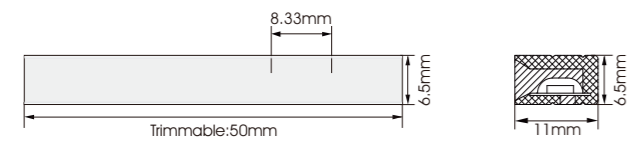
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-8A39	14.4	2700	31	446	>90/>40	/	/	66
CLT-INQF24140T09-8A39	14.4	3000	32	460	>90/>40	/	/	66
CLT-DNQF24140T09-8A39	14.4	4000	30	432	>90/>40	/	/	66
CLT-FNQF24140T09-8A39	14.4	5000	30	432	>90/>40	/	/	66



6.5x11mm Side View White digital chasing Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >80
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

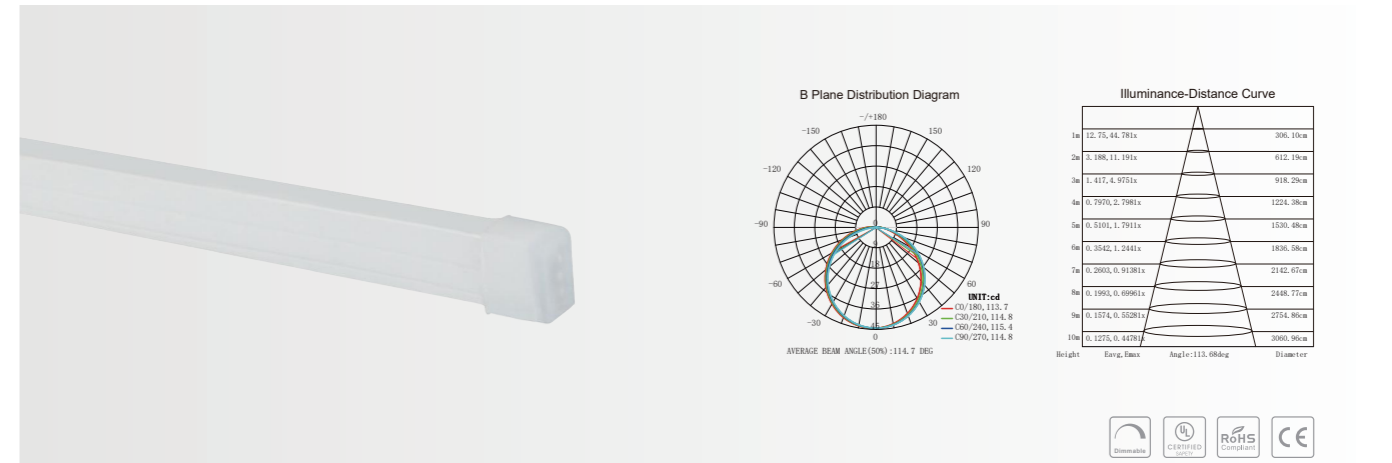
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



Product Accessories		
Part No.CTL	Name	Physical Drawing
103305102001	Direct cable end cap	
103305101012	Sealing end cap	
103305101011	Bottom cable end cap	
103305101058	Side cable end cap	
103305301005	Mini cable end cap	
103305301004	Mini sealing end cap	
101107101003	Stainless steel clip	
101101101094	Aluminum clip	
102206105056	PVC channel	
101101101083	Aluminum channel	
101104113002	Flexible profile	

Product parameters

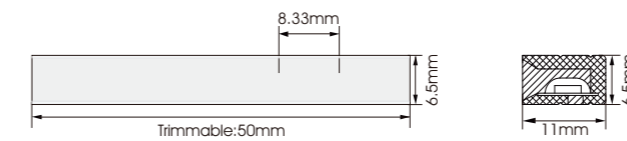
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-DN9F24120T09-8A28	9.6	4000	28	275	>80/>0	/	/	66



6.5x11mm Side View RGB digital chasing Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

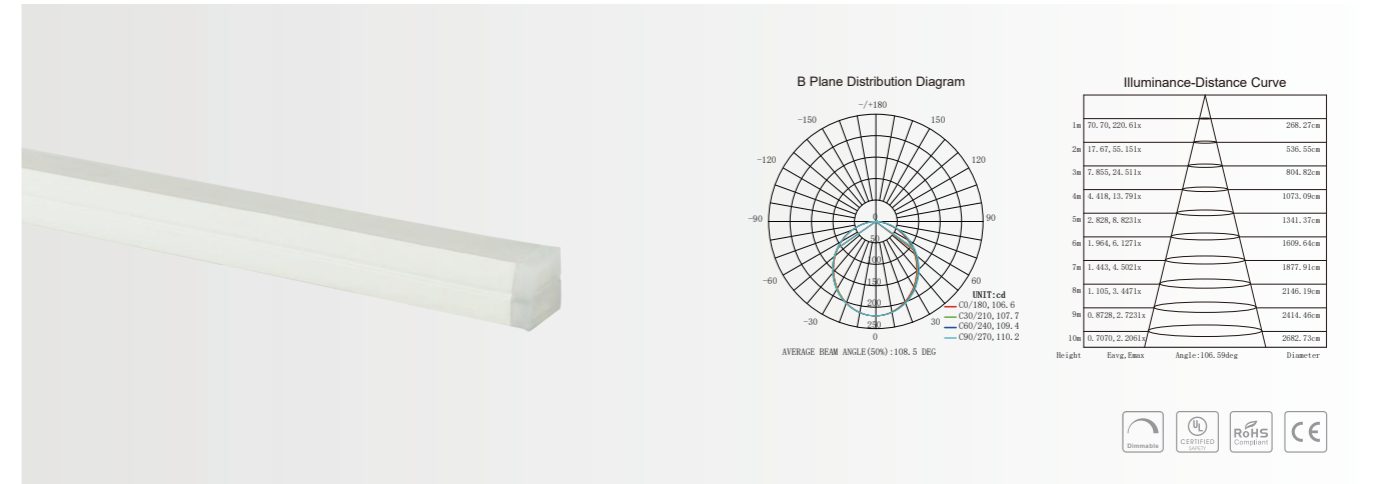
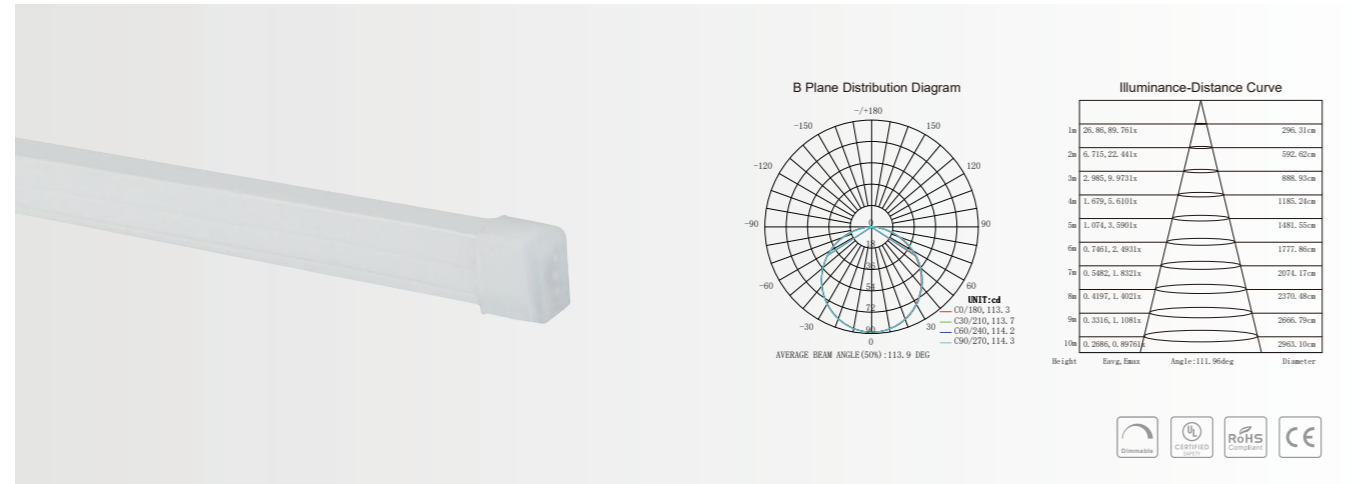
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



Product Accessories		
Part No.CTL	Name	Physical Drawing
103305102001	Direct cable end cap	
103305101012	Sealing end cap	
103305101011	Bottom cable end cap	
103305101058	Side cable end cap	
103305301005	Mini cable end cap	
103305301004	Mini sealing end cap	
101107101003	Stainless steel clip	
101101101094	Aluminum clip	
102206105056	PVC channel	
101101101083	Aluminum channel	
101104113002	Flexible profile	

Product parameters

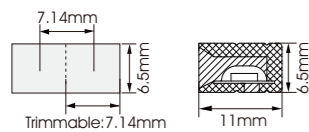
Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2QF24120T09-8A30	14.4	24	R	620-630	35	/	/	66
	14.4	24	G	515-525	100	/	/	66
	14.4	24	B	460-470	20	/	/	66
	14.4	24	RGB	/	145	/	/	66



6.5x11mm Mini Cut Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 7.14mm

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 Accessories		
Part No.CTL	Name	Physical Drawing
103305102001	Direct cable end cap	
103305101012	Sealing end cap	
103305101011	Bottom cable end cap	
103305101058	Side cable end cap	
103305301005	Mini cable end cap	
103305301004	Mini sealing end cap	
101107101003	Stainless steel clip	
101101101094	Aluminum clip	
102206105056	PVC channel	
101101101083	Aluminum channel	
101104113002	Flexible profile	

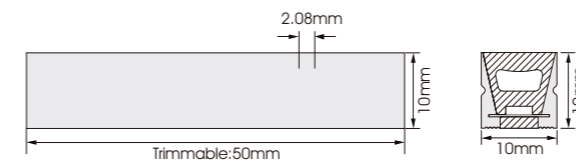
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-8A19	9.6	2700	24	230	>90/>40	/	/	66
CLT-INQF24140T09-8A19	9.6	3000	24	230	>90/>40	/	/	66
CLT-DNQF24140T09-8A19	9.6	4000	26	250	>90/>40	/	/	66
CLT-FNQF24140T09-8A19	9.6	5000	26	250	>90/>40	/	/	66

10x10mm Top View Neon Light

Electrical Data	
Light Beads	: CSP
Number Led/M	: 320pcs
Power W/m±10%	: 10W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

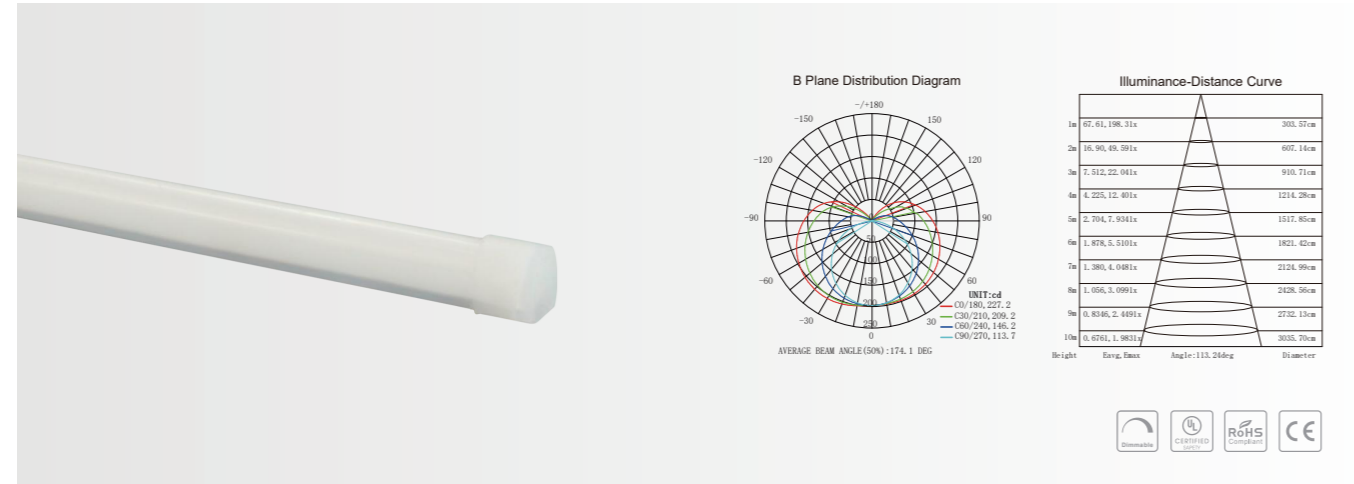
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



Product Accessories		
Part No.CTL	Name	Physical Drawing
103305101013	Direct cable end cap	
103305101014	Sealing end cap	
103305101070	Bottom cable end cap	
103305101063	Sealing end cap	
103305101064	Cable end cap	
101107101001	Stainless steel clip	
101101101090	Aluminum clip	
101101101079	Aluminum channel	
101104113004	Flexible profile	

Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24320T00-8A19	10	2700	63	630	>90/>40	/	/	67
CLT-INQF24320T00-8A19	10	3000	66	660	>90/>40	/	/	67
CLT-DNQF24320T00-8A19	10	4000	68	680	>90/>40	/	/	67
CLT-WNQF24320T00-8A19	10	6500	66	660	>90/>40	/	/	67

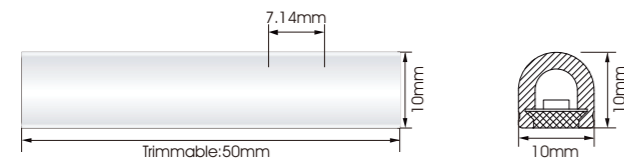


10x10mm Curve Top View Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

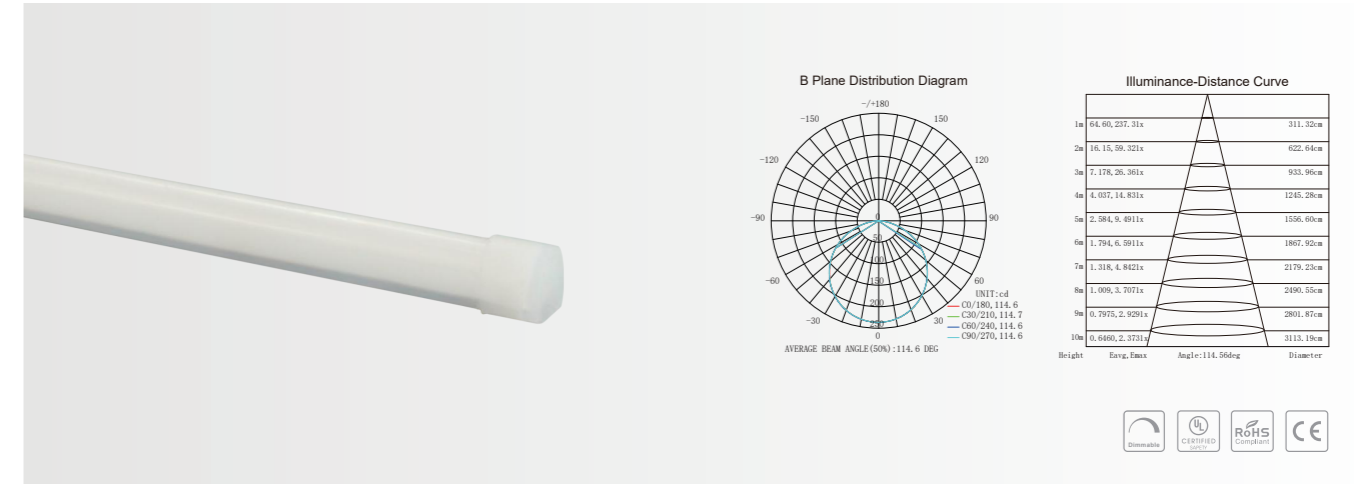
Product Accessories		
Part No.CTL	Name	Physical Drawing
103305101002	Direct cable end cap	
103305102009	Sealing end cap	
103305101003	Bottom cable end cap	
101107101001	Stainless steel clip	
101101101085	Aluminum channel	

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNHF24140T09-8A39	14.4	2700	88	1267	>90/>40	/	/	66
CLT-INHF24140T09-8A39	14.4	3000	92	1324	>90/>40	/	/	66
CLT-DNHF24140T09-8A39	14.4	4000	96	1382	>90/>40	/	/	66
CLT-FNHF24140T09-8A39	14.4	5000	96	1382	>90/>40	/	/	66

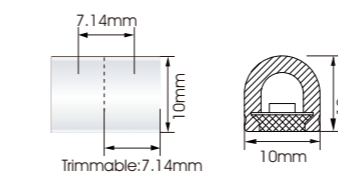


10x10mm Mini Cut Curve Top View Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 7.14mm

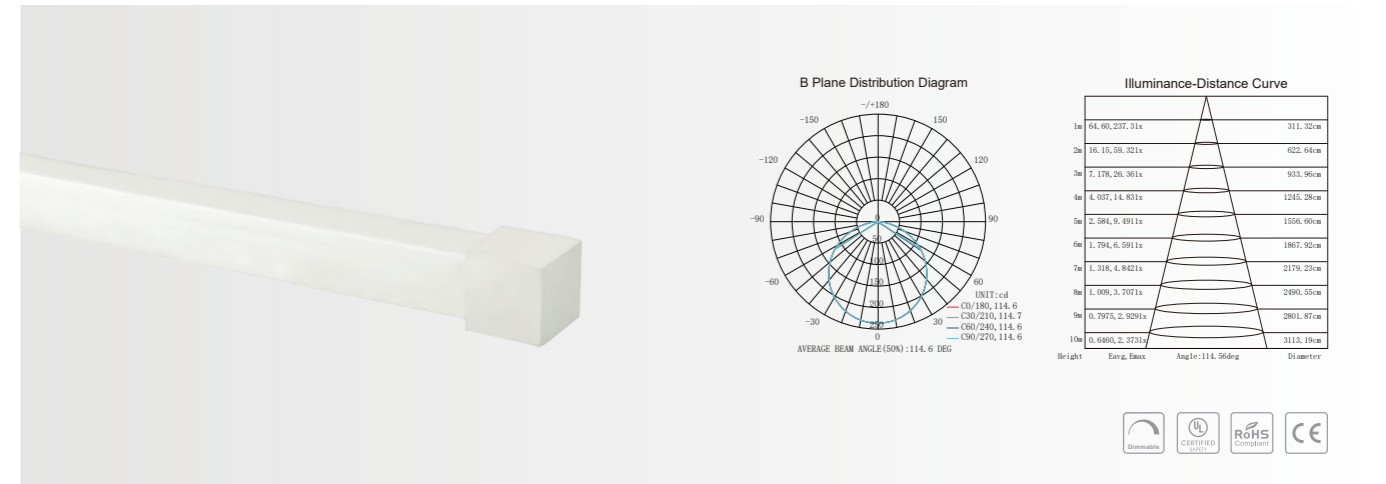
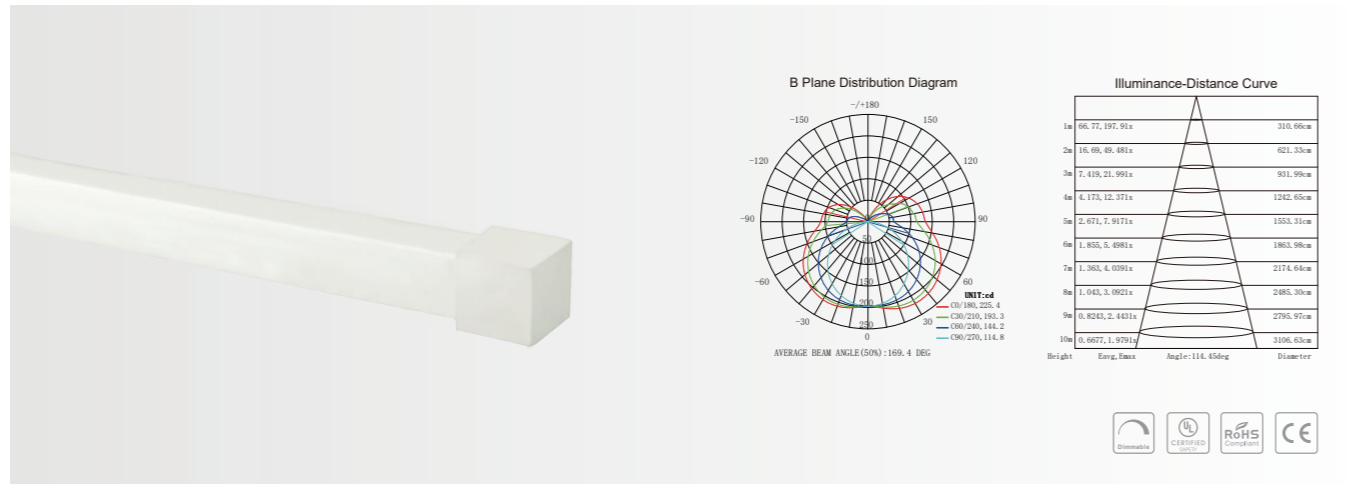
Product Accessories		
Part No.CTL	Name	Physical Drawing
103305101002	Direct cable end cap	
103305102009	Sealing end cap	
103305101003	Bottom cable end cap	
101107101001	Stainless steel clip	
101101101085	Aluminum channel	

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.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNHF24140T09-8A19	9.6	2700	73	700	>90/>40	/	/	66
CLT-INHF24140T09-8A19	9.6	3000	73	700	>90/>40	/	/	66
CLT-DNHF24140T09-8A19	9.6	4000	78	750	>90/>40	/	/	66
CLT-FNHF24140T09-8A19	9.6	5000	78	750	>90/>40	/	/	66

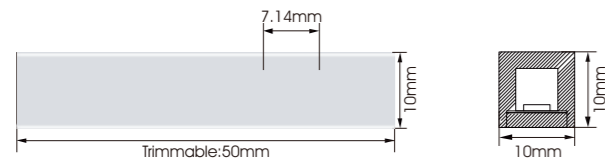


10x10mm Square Top View Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

Product Accessores			
Part No.CTL	Name	Physical Drawing	
103305101013	Direct cable end cap		
103305101014	Sealing end cap		
103305101070	Bottom cable end cap		
101107101001	Stainless steel clipp		
101101101090	Aluminum clip		
101101101079	Aluminum channel		
101104113004	Flexible profile		

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

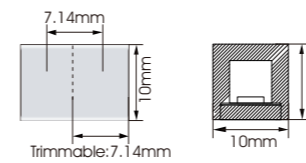
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-8A39	14.4	2700	88	1267	>90/>40	/	/	66
CLT-INQF24140T09-8A39	14.4	3000	92	1324	>90/>40	/	/	66
CLT-DNQF24140T09-8A39	14.4	4000	96	1382	>90/>40	/	/	66
CLT-FNQF24140T09-8A39	14.4	5000	96	1382	>90/>40	/	/	66

10x10mm Mini Cut Square Top View Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

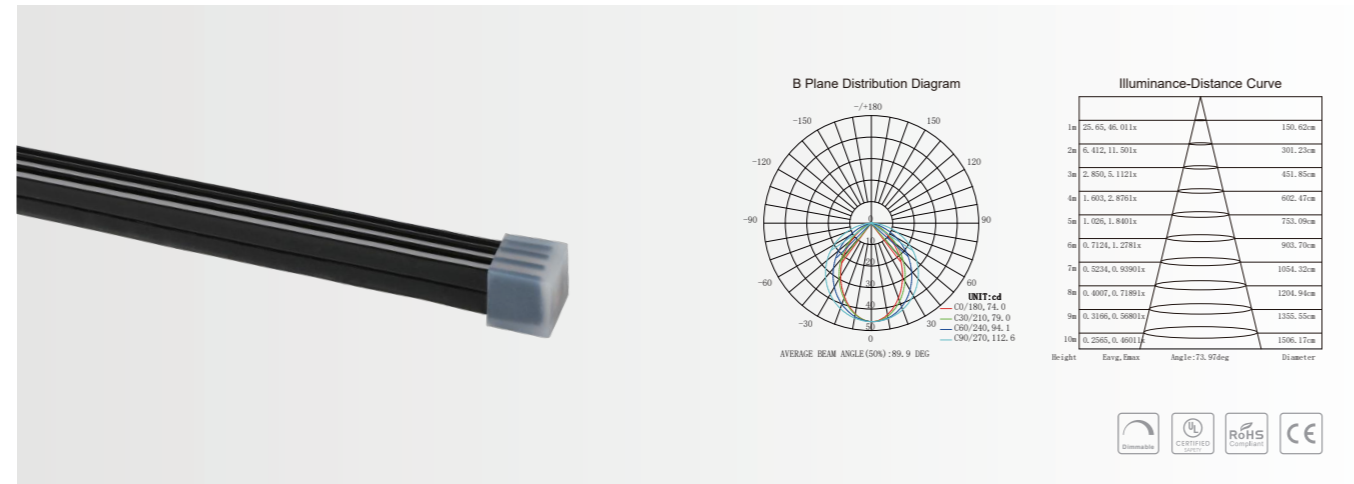
Product Accessores			
Part No.CTL	Name	Physical Drawing	
103305101013	Direct cable end cap		
103305101014	Sealing end cap		
103305101070	Bottom cable end cap		
101107101001	Stainless steel clipp		
101101101090	Aluminum clip		
101101101079	Aluminum channel		
101104113004	Flexible profile		

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

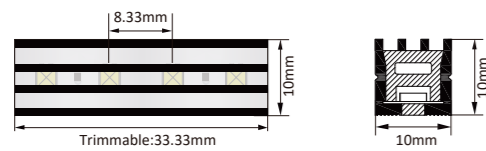
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNHF24140T09-8A19	9.6	2700	73	700	>90/>40	/	/	66
CLT-INHF24140T09-8A19	9.6	3000	73	700	>90/>40	/	/	66
CLT-DNHF24140T09-8A19	9.6	4000	78	750	>90/>40	/	/	66
CLT-FNHF24140T09-8A19	9.6	5000	78	750	>90/>40	/	/	66



10x10 Anti-glare Top View Black Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 33.33mm

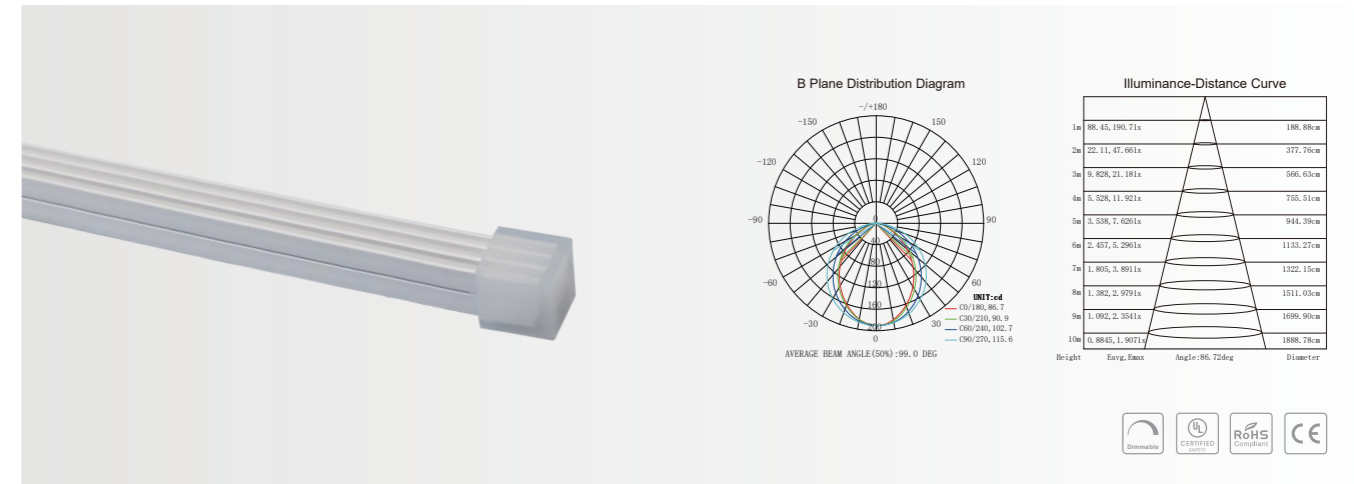
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



Product Accessories		
Part No.CTL	Name	Physical Drawing
103305101013	Direct cable end cap	
103305101014	Sealing end cap	
103305101070	Bottom cable end cap	
103305101063	Sealing end cap	
103305101064	Cable end cap	
101107101001	Stainless steel clip	
101101101090	Aluminum clip	
101101101079	Aluminum channel	
101104113004	Flexible profile	

Product parameters

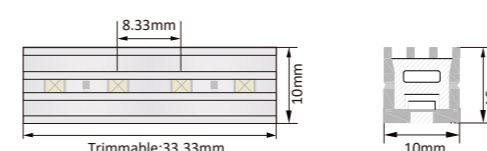
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24120T09-8A19	9.6	2700	7.5	72	>90/>40	/	/	66
CLT-INQF24120T09-8A19	9.6	3000	8	77	>90/>40	/	/	66
CLT-DNQF24120T09-8A19	9.6	4000	8	77	>90/>40	/	/	66
CLT-FNQF24120T09-8A19	9.6	5000	7.5	72	>90/>40	/	/	66



10x10 Anti-glare Top View White Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 120pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 8mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 33.33mm

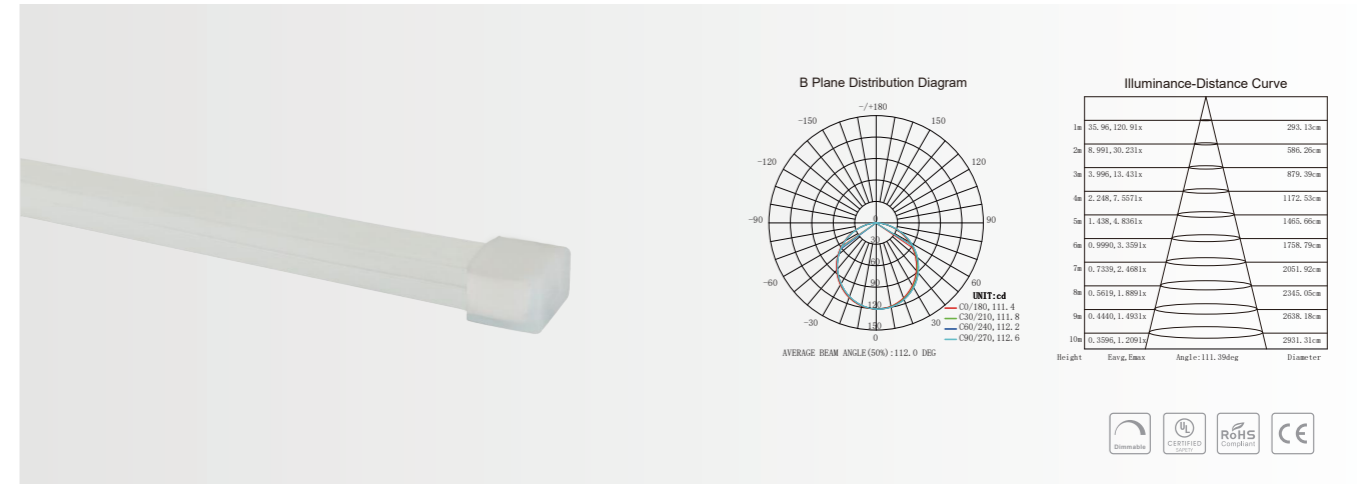
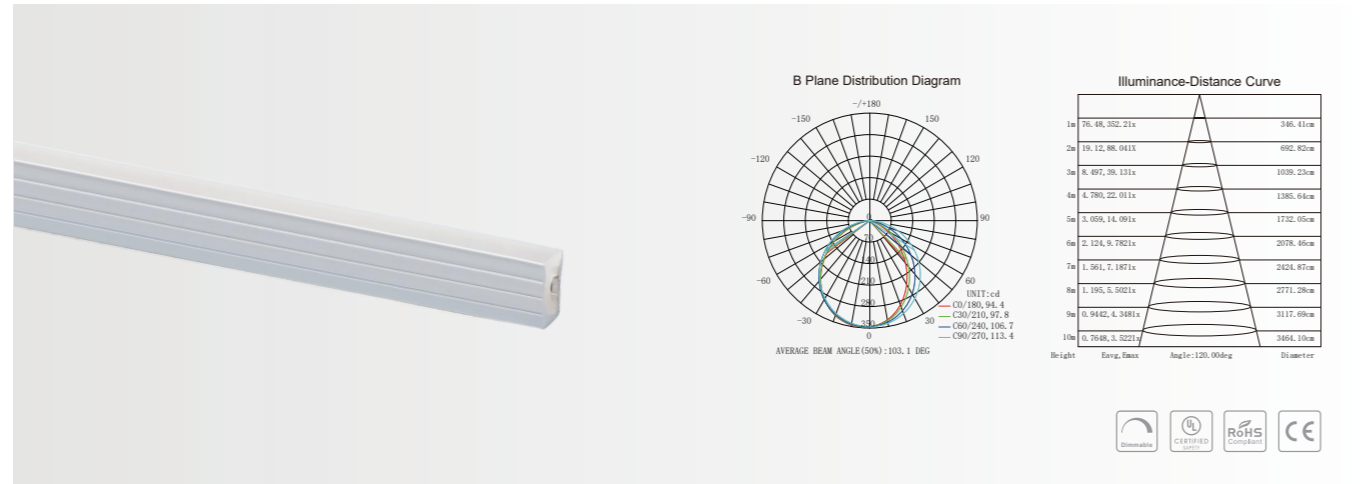
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



Product Accessories		
Part No.CTL	Name	Physical Drawing
103305101013	Direct cable end cap	
103305101014	Sealing end cap	
103305101070	Bottom cable end cap	
103305101063	Sealing end cap	
103305101064	Cable end cap	
101107101001	Stainless steel clip	
101101101090	Aluminum clip	
101101101079	Aluminum channel	
101104113004	Flexible profile	

Product parameters

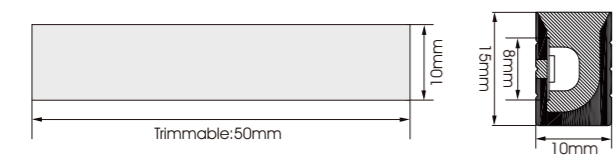
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24120T09-8A19	9.6	2700	40	384	>90/>40	/	/	66
CLT-INQF24120T09-8A19	9.6	3000	41	394	>90/>40	/	/	66
CLT-DNQF24120T09-8A19	9.6	4000	44	422	>90/>40	/	/	66
CLT-FNQF24120T09-8A19	9.6	5000	44	422	>90/>40	/	/	66



10x15mm Side View Neon Light

Electrical Data	
Light Beads	: 2835
Number Led/M	: 160pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 8mm
CRI	: > 90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



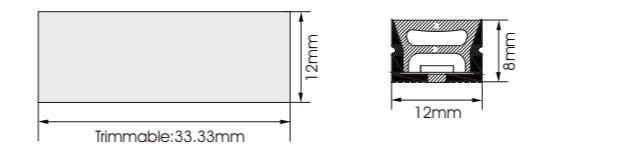
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24160T09-8A39	14.4	2700	60	864	>90/>45	/	/	66
CLT-INQF24160T09-8A39	14.4	3000	62	892	>90/>45	/	/	66
CLT-DNQF24160T09-8A39	14.4	4000	62	892	>90/>45	/	/	66
CLT-WNQF24160T09-8A39	14.4	6500	60	864	>90/>45	/	/	66

12x8mm CSP RGB Neon Light

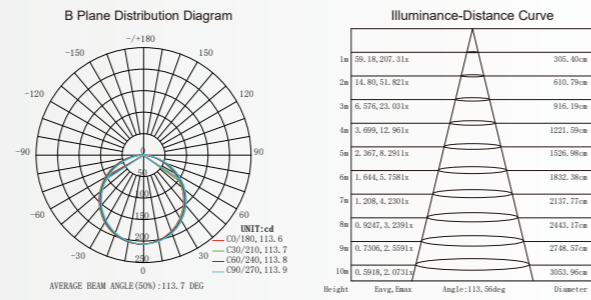
Electrical Data	
Light Beads	: CSP
Number Led/M	: 540pcs
Power W/m±10%	: 15W
Voltage	: 24V
PCB Width	: 10mm
CRI	: /
Max length (30% lumen drop)	: 5m
Cut Size	: 33.33mm

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

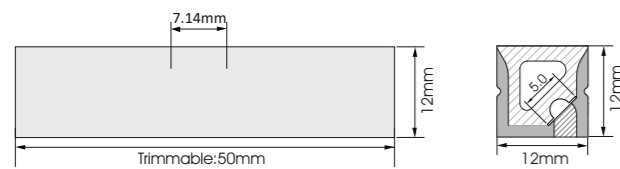
Part No.CTL	Power (W/M)	DC (V)	Colour	Wavelength (nm)	LM/M	CRI/R9	Energy efficiency class	IP (Optional)
CLT-W2QF24540T00-0A20	6	24	R	620-630	100	/	/	66
	4.5	24	G	520-530	220	/	/	66
	4.5	24	B	455-465	45	/	/	66
	15	24	RGB	/	362	/	/	66



12x12mm Free Bend Neon Strip

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 9.6W
Voltage	: 24V
PCB Width	: 5mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

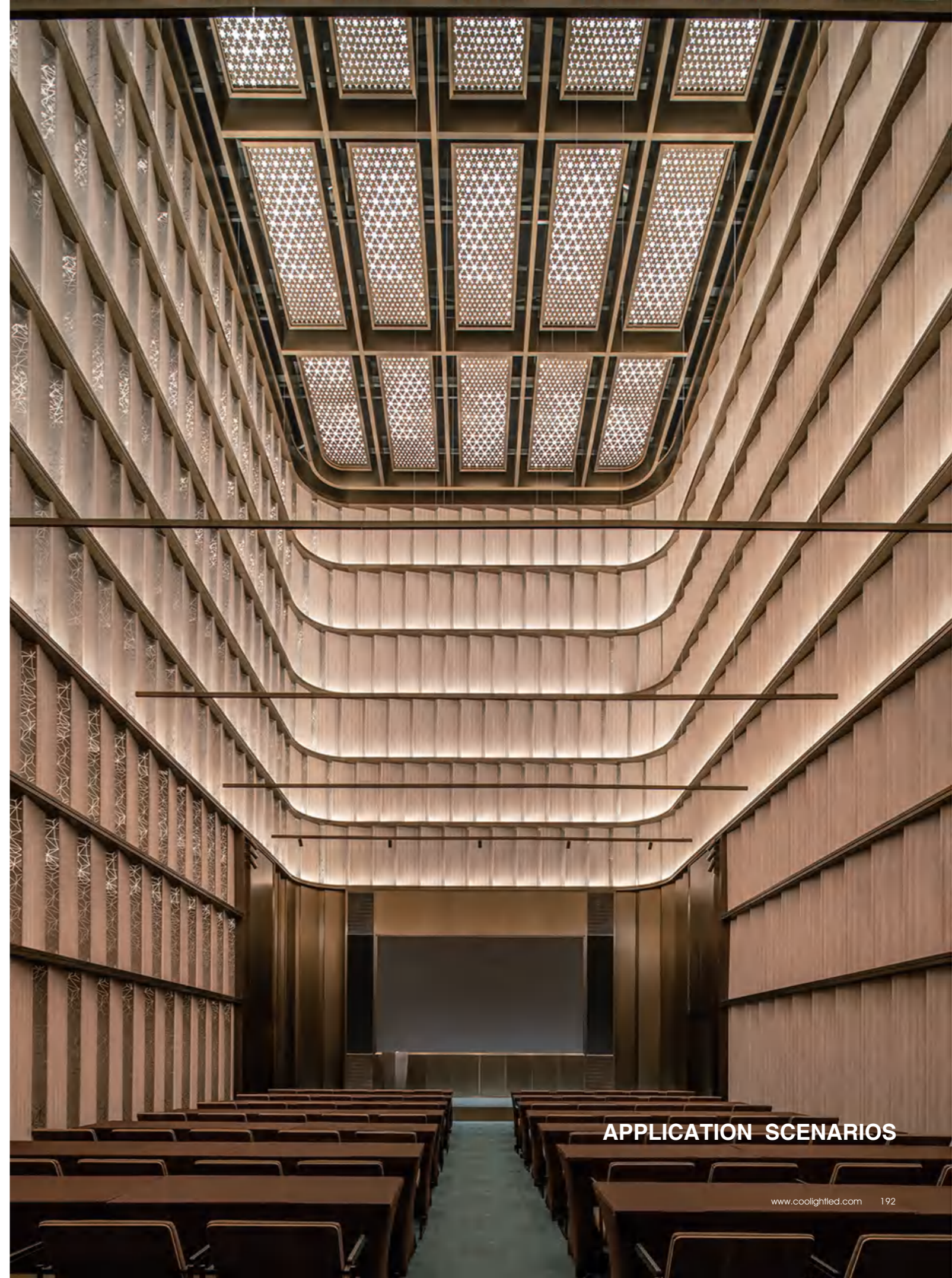
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



Product Accessores			
Part No.CTL	Name	Physical Drawing	
103305101067	Direct cable end cap		
103305101065	Sealing end cap		
103305101066	Bottom cable end cap		
101107101019	Stainless steel clip		
101101101089	Aluminum clip		
101101101087	Aluminum channel		
101104113001	Flexible profile		

Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-5A29	9.6	2700	51	490	>90/>40	/	/	66
CLT-INQF24140T09-5A29	9.6	3000	56	538	>90/>40	/	/	66
CLT-DNQF24140T09-5A29	9.6	4000	60	576	>90/>40	/	/	66
CLT-WNQF24140T09-5A29	9.6	6500	66	634	>90/>40	/	/	66



APPLICATION SCENARIOS

WATERPROOF LED STRIP

Xribbon 280LED/m 24V

IP54 Silicon Glue

IP54 Silicon Glue Extrusion

IP66 Silicon Glue Extrusion Curve Shape

IP66 Silicone Case

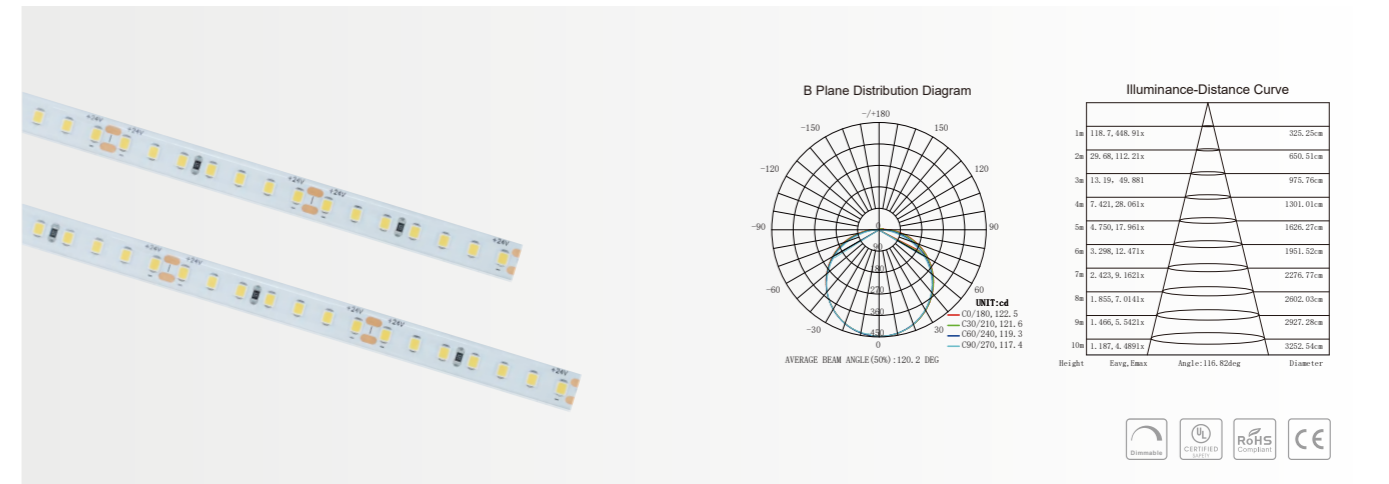
IP66 Silicon Glue Extrusion Square Shape

IP66 Dual Color Silicon Glue Extrusion

IP67 Dual Color Silicon Glue solid square

IP67 Silicon Glue Extrusion Solid Square

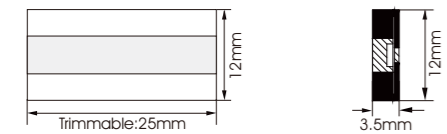




IP67 Xribbon 280LED/m 24V

Electrical Data	
Light Beads	: 2220
Number Led/M	: 280pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 25mm

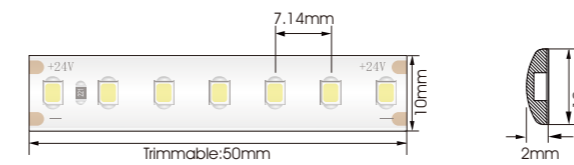
Standards / Normative Requirements	
Protection class	: EN 60529
Safety Requirements	: EN 62031 IEC 60598-1
EMC / radio disturbance characteristics	: EN 55015
ROHS	: Yes
CE	: Yes



IP54 Silicon Glue

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

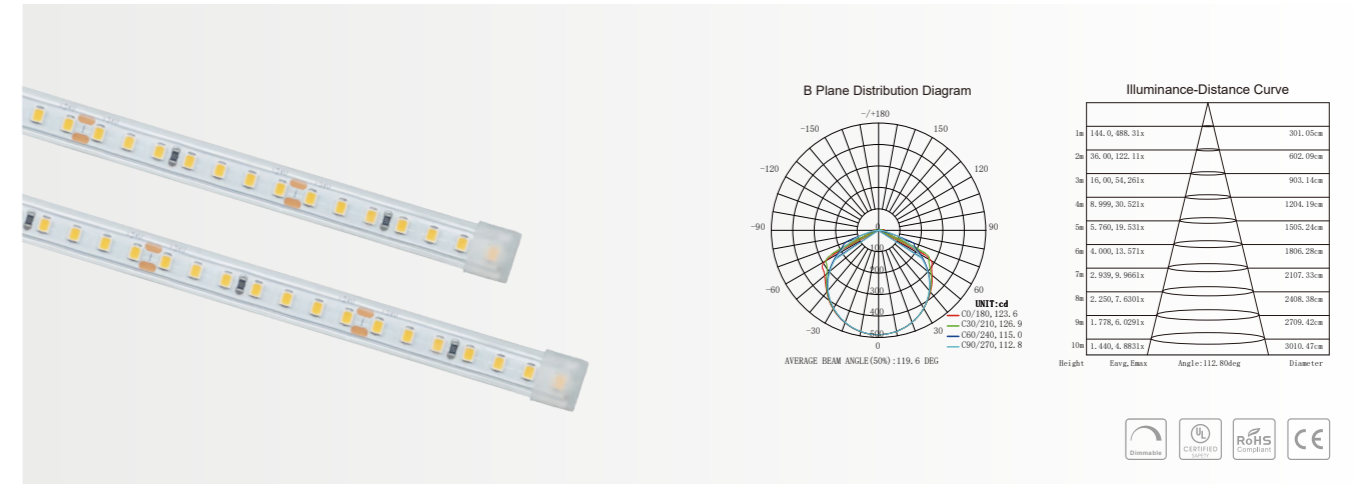
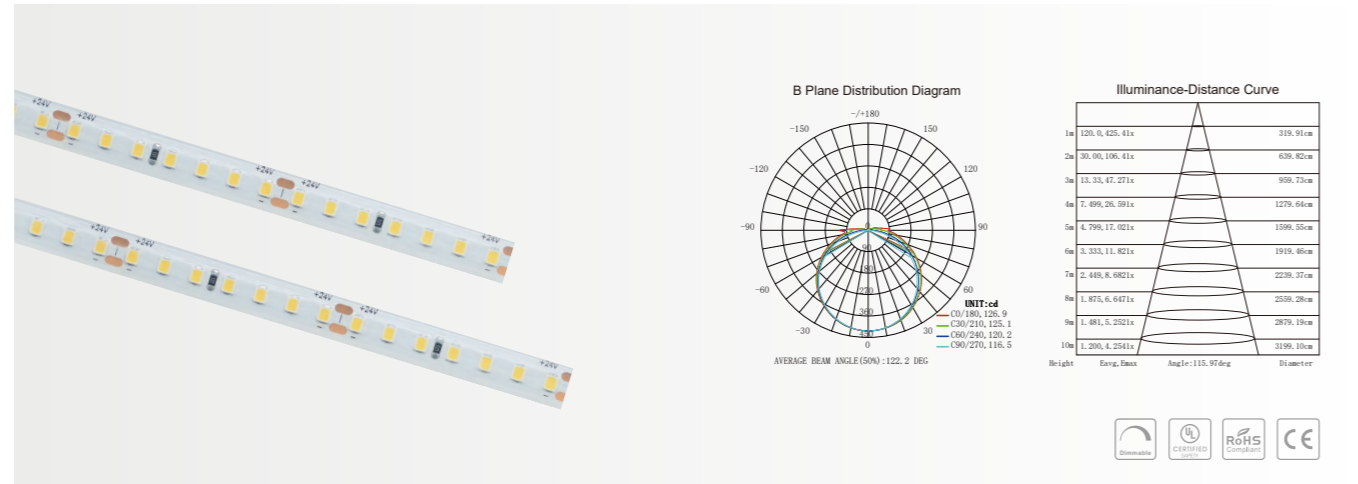


Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNMF24280T00-0A29	14.4	2700	70	1008	>90/>40	/	/	67
CLT-INMF24280T00-0A29	14.4	3000	70	1008	>90/>40	/	/	67
CLT-DNMF24280T00-0A29	14.4	4000	73	1151	>90/>40	/	/	67
CLT-WNMF24280T00-0A29	14.4	6000	73	1151	>90/>40	/	/	67

Product parameters

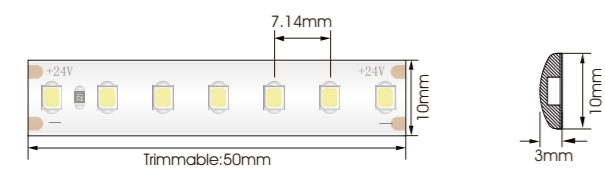
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNWF24140T09-0A39	14.4	2700	90	1296	>90/>40	/	/	54
CLT-INWF24140T09-0A39	14.4	3000	90	1296	>90/>40	/	/	54
CLT-DNWF24140T09-0A39	14.4	4000	95	1368	>90/>40	/	/	54
CLT-FNWF24140T09-0A39	14.4	5000	95	1368	>90/>40	/	/	54
CLT-WNWF24140T09-0A39	14.4	6000	95	1368	>90/>40	/	/	54



IP54 Silicon Glue Extrusion

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



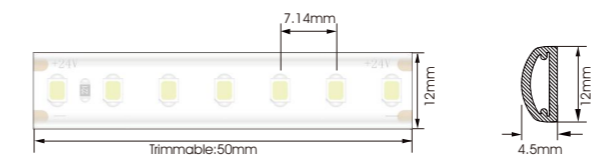
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNDF24140T09-0A39	14.4	2700	90	1296	>90/>40	/	/	54
CLT-INDF24140T09-0A39	14.4	3000	90	1296	>90/>40	/	/	54
CLT-DNDF24140T09-0A39	14.4	4000	95	1368	>90/>40	/	/	54
CLT-FNDF24140T09-0A39	14.4	5000	95	1368	>90/>40	/	/	54
CLT-WNDF24140T09-0A39	14.4	6000	95	1368	>90/>40	/	/	54

IP66 Silicon Glue Extrusion Curve Shape

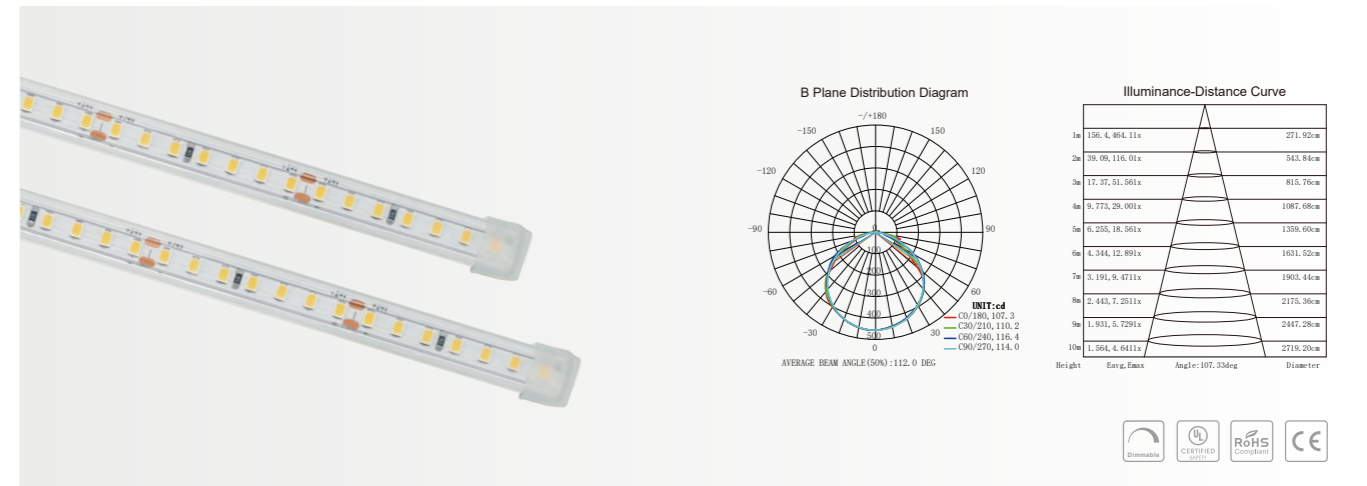
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

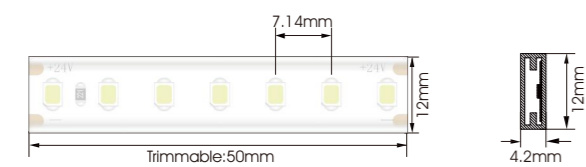
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency in McAdam ellipses	IP (Optional)
CLT-KNHF24140T09-0A39	14.4	2700	85	1224	>90/>40	/	/	66
CLT-INHF24140T09-0A39	14.4	3000	85	1224	>90/>40	/	/	66
CLT-DNHF24140T09-0A39	14.4	4000	90	1296	>90/>40	/	/	66
CLT-FNHF24140T09-0A39	14.4	5000	90	1296	>90/>40	/	/	66
CLT-WNHF24140T09-0A39	14.4	6000	90	1296	>90/>40	/	/	66



IP66 Silicon Case

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



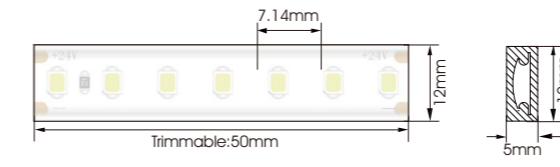
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNHF24140T09-0A39	14.4	2700	85	1224	>90/>40	/	/	66
CLT-INHF24140T09-0A39	14.4	3000	85	1224	>90/>40	/	/	66
CLT-DNHF24140T09-0A39	14.4	4000	90	1296	>90/>40	/	/	66
CLT-FNHF24140T09-0A39	14.4	5000	90	1296	>90/>40	/	/	66
CLT-WNHF24140T09-0A39	14.4	6000	90	1296	>90/>40	/	/	66

IP66 Silicon Glue Extrusion Square Shape

Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

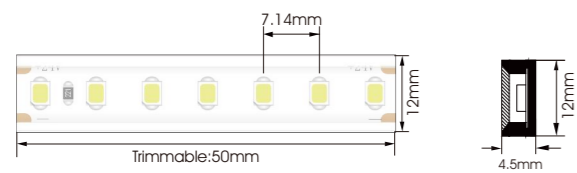
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNJF24140T09-0A39	14.4	2700	85	1224	>90/>40	/	/	66
CLT-INJF24140T09-0A39	14.4	3000	85	1224	>90/>40	/	/	66
CLT-DNJF24140T09-0A39	14.4	4000	90	1296	>90/>40	/	/	66
CLT-FNJF24140T09-0A39	14.4	5000	90	1296	>90/>40	/	/	66
CLT-WNJF24140T09-0A39	14.4	6000	90	1296	>90/>40	/	/	66



IP66 Dual Color Silicon Glue Extrusion

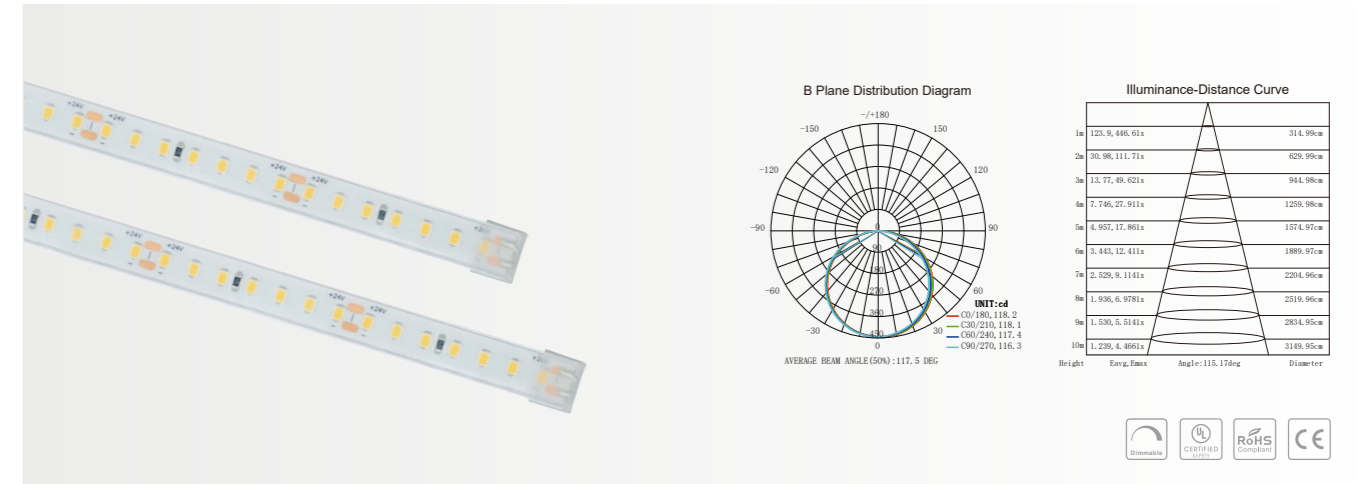
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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

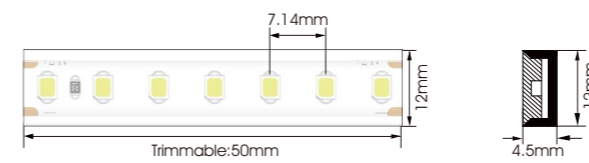
Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNQF24140T09-0A39	14.4	2700	80	1152	>90/>40	/	/	66
CLT-INQF24140T09-0A39	14.4	3000	80	1152	>90/>40	/	/	66
CLT-DNQF24140T09-0A39	14.4	4000	85	1224	>90/>40	/	/	66
CLT-FNQF24140T09-0A39	14.4	5000	85	1224	>90/>40	/	/	66
CLT-WNQF24140T09-0A39	14.4	6000	85	1224	>90/>40	/	/	66



IP67 Dual Color Silicon Glue solid square

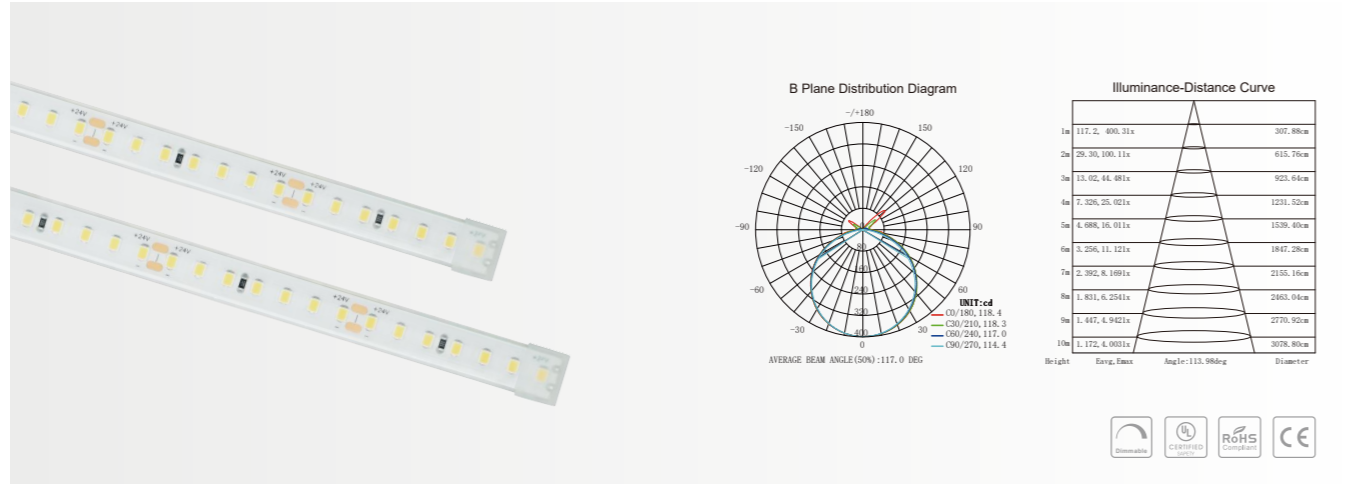
Electrical Data	
Light Beads	: 2835
Number Led/M	: 140pcs
Power W/m±10%	: 14.4W
Voltage	: 24V
PCB Width	: 10mm
CRI	: >90
Max length (30% lumen drop)	: 5m
Cut Size	: 50mm

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



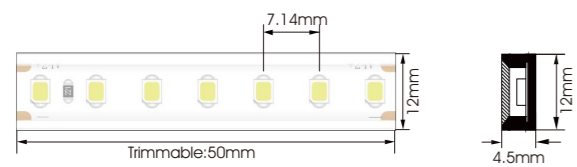
Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNMF24140T09-0A39	14.4	2700	85	1224	>90/>40	/	/	66
CLT-INMF24140T09-0A39	14.4	3000	85	1224	>90/>40	/	/	66
CLT-DNMF24140T09-0A39	14.4	4000	90	1296	>90/>40	/	/	66
CLT-FNMF24140T09-0A39	14.4	5000	90	1296	>90/>40	/	/	66
CLT-WNMF24140T09-0A39	14.4	6000	90	1296	>90/>40	/	/	66



IP67 Silicon Glue Extrusion Solid Square

Electrical Data		Standards / Normative Requirements	
Light Beads	: 2835	Protection class	: EN 60529
Number Led/M	: 140pcs	Safety Requirements	: EN 62031 IEC 60598-1
Power W/m±10%	: 14.4W	EMC / radio disturbance characteristics	: EN 55015
Voltage	: 24V	ROHS	: Yes
PCB Width	: 10mm	CE	: Yes
CRI	: >90		
Max length (30% lumen drop)	: 5m		
Cut Size	: 50mm		



Product parameters

Part No.CTL	Power (W/M)	CCT (K)	LM/W	LM/M	CRI/R9	Energy efficiency class	Colour consistency In McAdam ellipses	IP (Optional)
CLT-KNSF24140T09-0A39	14.4	2700	80	1152	>90/>40	/	/	67
CLT-INSF24140T09-0A39	14.4	3000	80	1152	>90/>40	/	/	67
CLT-DNSF24140T09-0A39	14.4	4000	85	1224	>90/>40	/	/	67
CLT-FNSF24140T09-0A39	14.4	5000	85	1224	>90/>40	/	/	67
CLT-WNSF24140T09-0A39	14.4	6000	85	1224	>90/>40	/	/	67



APPLICATION SCENARIOS

COOLIGHT LED strip product model decoding table

1-3	4-5	6-7	8-9	10-12	13-15	16	17	18	19
CLU(T) (X)	- ①①	②②	③③	④④④	T⑤⑤ -	⑥	⑦	⑧	⑨
1	2	3	4	5	6	7	8	9	10

1: The 1-3 letters,

“CLU” represents COOLIGHT UL approved strip series;
 “CLT” represent COOLIGHT regular strip series;
 “CLX” represent COOLIGHT UL strip products in addition to CLU series.

2: The 4-5 letters 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、UV: Violet (WL: white mixed、WV: White light monolight mixing、WR: white +RGB、WW: double white +RGB. [Exact CCT is to be showed in LED strip description.](#))

3: The 6-7 letters indicate the type of waterproofing and product classification, denoted as ②②=AX:

Waterproof Types (A):

A=N: Non-waterproof, IP20
 A=G: Non-waterproof, IP20 PRO series
 A=W: Silicon glue waterproof, IP54
 A=T: Silicon tube waterproof, IP65
 A=K: Silicone tube with glue filling waterproof, IP67
 A=B: Semi-tube with resin coating, IP66
 A=P: Nano-Waterproof
 A=J: Extrusion tube Square shape, IP66
 A=C: Semi-tube extrusion, IP54
 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, IP66

Product Types (X):

X=F: Flexible LED strip
 X=A: Aluminum profile rigid strip
 X=P: Rigid strip without dissipater

4: The 8-9 letters represent working voltage of strip, If ③③ is “12”, it means 12v DC, “24” means 24V DC

5: The 10-12 letters represent LEDs quantity per meter, If ④④④ is 060 ,it means 60leds/meter, 120 means 120leds/meter

6: The 13-15 letters represent type of LEDs, If “T⑤⑤” is T02, it means 3528 and 3838 products,
 T02=3528 Products, T03= 5050 Products, T04= 335 Side Luminous Products, T05=5730 Products, T06=0603 Products,
 T07=3014 Top view Products, T08=3014 Side view Products, T09=2835 Products, T10=2110 Products, T16=2216 Products, T00=COB Products.

7: The 16 number or letter width of pcb, If ⑥ is 0, it means that the PCB width is 10mm,
 0=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, 1=11mm, P=25mm, Q=46mm.

8: The 17 letters 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.

9:The 18 letters 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, 9=80-90mA

10: The 19 letters represent Ra(CRI) of LED strip, If ⑨ is 7, it means CRI70, 8=CRI80, 9=CRI90, 5=CRI95, 6=Full spectrum CRI95,
 0=No CRI Request /RGB. RGB+ single white light or double white light is determined by white light.

EG:

1) CLU-INNF24120T16-8A29, Means: 24V, 120LED/m, 2216 series, 3000K, 8mm PCB width, single row, LED current of 20mA , CRI90 of COOLIGT UL non-waterproof flexible strip.

2) CLT-INWF24120T16-8A29, Means: 24V, 120LED/m, 2216 series, 3000K, 8mm PCB width, single row, LED current of 20mA , CRI90 of COOLIGT Silicon Glue Waterproof Flexible Led Strip.