

Resolumin[®]

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LED Flex Neon

PU/PVC/Silicone

2024 Version 2

CONTENT

SILICONE FLEX NEON ◀ 01
P1 - P34

PU FLEX NEON ◀ 02
P35 - P52

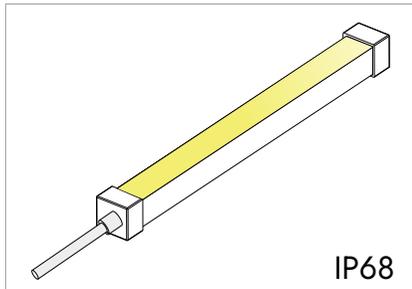
PVC FLEX NEON ◀ 03
P53 - P60



Resolight®

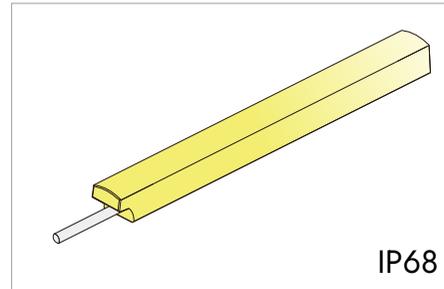
Our Solution:

3 Types of different materials for specific applications



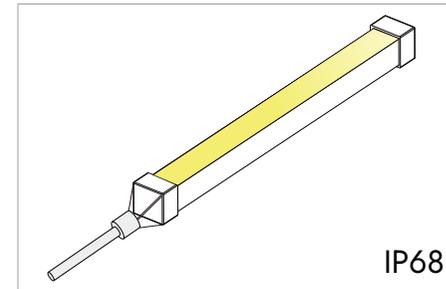
Silicone

- Silicone Eco Series
- Silicone STC Series
- Silicone DW Series



PU

- PU STC Series
- PU Pro Series
- PU Pro max Series



PVC

- PVC Eco Series
- PVC STC Series
- PVC Pro Series
- PVC Pro max Series

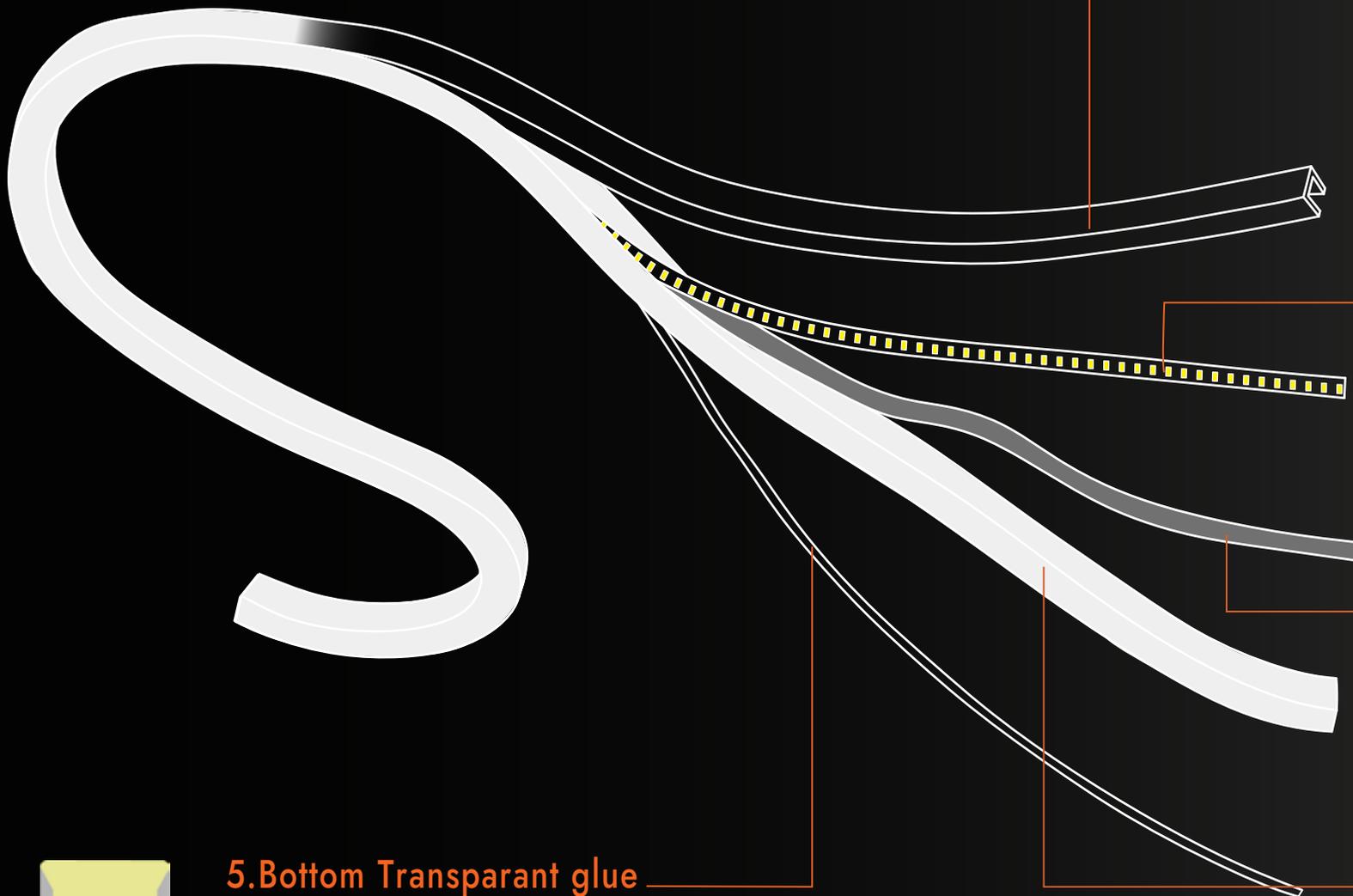
SILICONE



▶ Soldering-free connector

Designed for flexible distribution requirements
4 types of different cable outlet
IP65 waterproof

Co-extrusion Product Structure



1. Light-emitting surface

RoHS compliant
Up to 90% light transmission
Milky frosted silicone gel, Uniform light distribution

2. LED PCB

Over 20+ molding size
Covered 5/6/8/10/12mm width LED strip and more
Top bending , Side bending, 3D Bending

3. Anti-broken sheeting

Built-in PC anti-broken sheeting
To avoid structure damage during installation

4. Silicone body

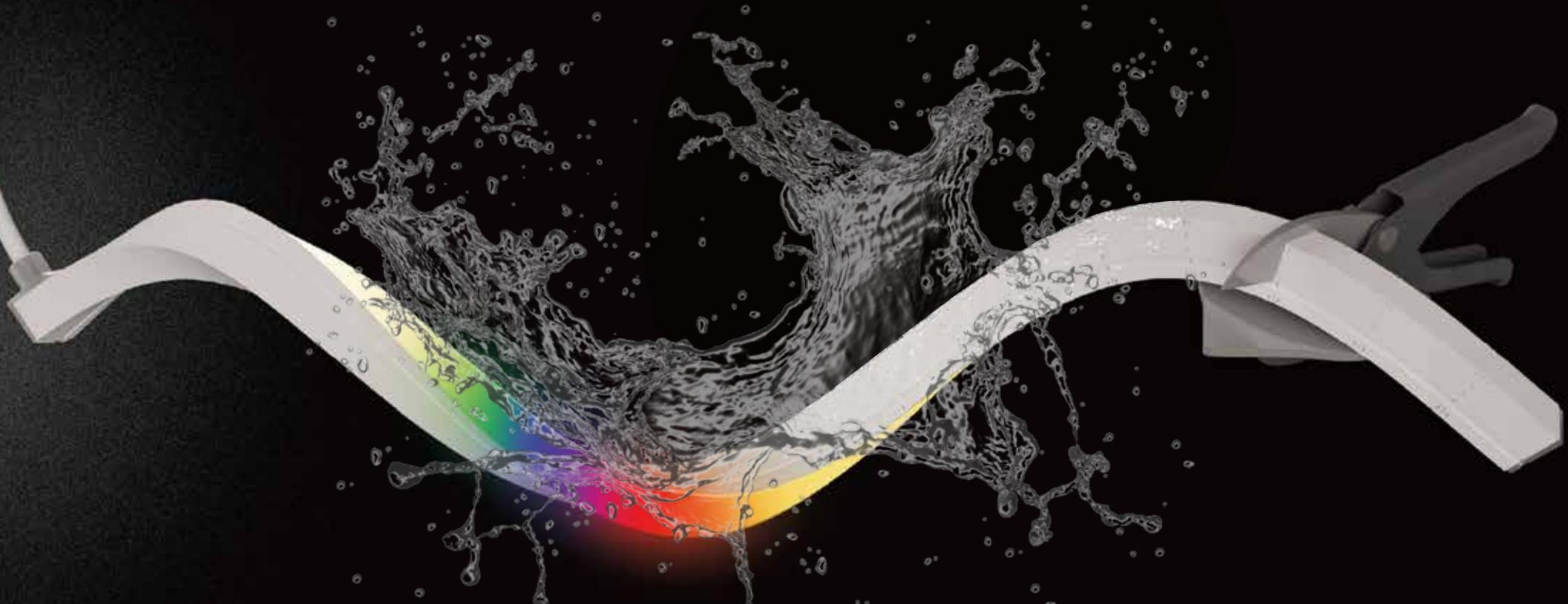
RoHS compliant
Different kinds of color on request ,
white or black , colorful

5. Bottom Transparant glue

Much better for cutting
Transparent glue has better view for PCB



High quality



IP68rating

With silicone co-extrusion body and waterproof end caps



IK08

IK Rated products are important especially if they are in public areas, high traffic areas, commercial environments and areas that are prone to vandalism



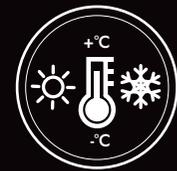
Anti-UV

The chain of molecules will begin to break down, causing both physical and chemical changes. This damage, called UV degradation



Salt Spary Resistance

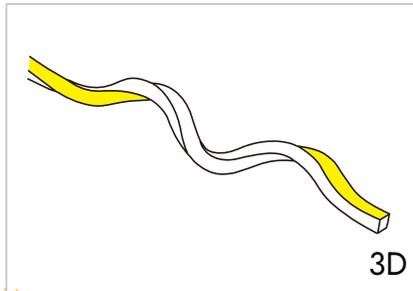
This test is important for products which are used in saline environments such as shipyards, cruise ships, yachts, cargo ships or the navy



Thermal Shock

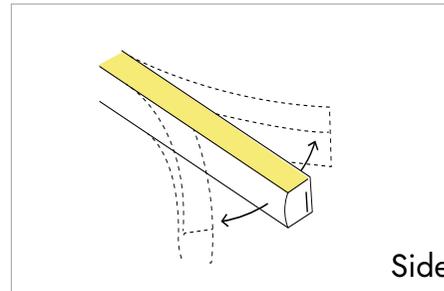
From -40°C to 70°C cycle test, this test is to evaluate the performance under extreme temperature

3 types of Bending



3D Bending

1010 / 1313 / 1616 / 2020



Side Bending

0408 / 0410 / 0410T

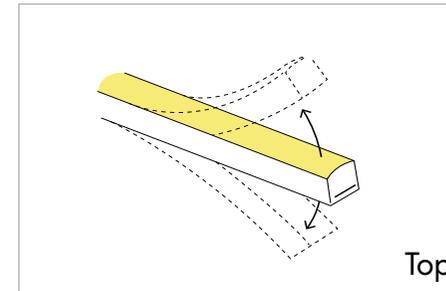
0612 / 0613R / 0615R

0714R / 0816R

1010 / 1010T / 1015R / 1018 / 1020 / 1020R

1212 / 1218 / 1220 / 1225R

1515 / 1616 / 2020



Top Bending

1004R / 1204R / 1404R / 1005R / 1205R / 1405R

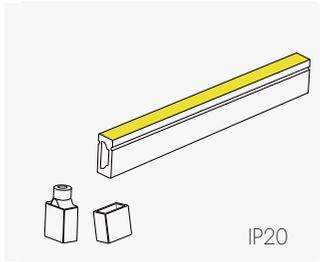
1005C / 1205C / 1405C / 1004F / 1004C / 1204C

005H COB / 1005D / 1205D / 1405D / 1003A / 1003B / 1005A / 1005B / 1204D

1010 / 1010U / 1212 / 1313 / 1313U / 1515 / 1615R / 1616

2014 / 2020 / 2727 / 3020

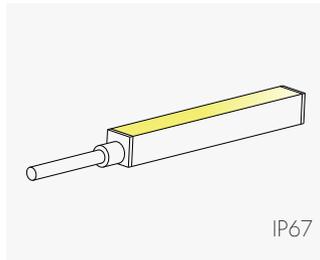
5 types of Endcaps



IP20

IP20 glue endcap

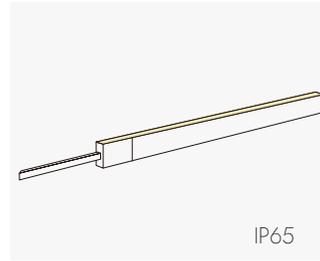
▶ Indoor using



IP67

IP67 Molding endcap

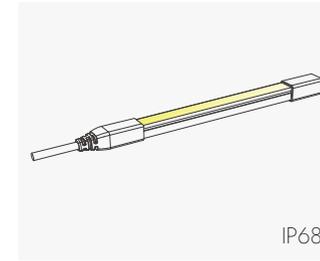
▶ Outdoor using



IP65

IP65 Molding with Aluminum

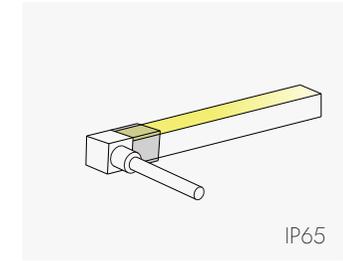
▶ Indoor or Outdoor using



IP68

IP68 dual-extrusion

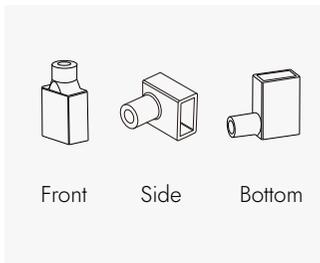
▶ Outdoor using temporary immersion



IP65

IP65 soldering-free connector

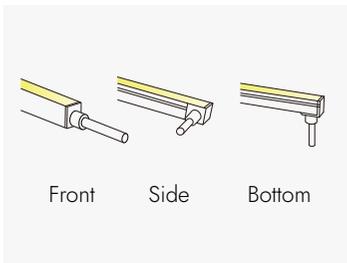
▶ Indoor or Outdoor using



Front

Side

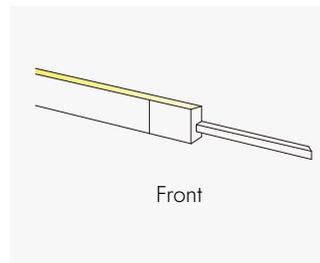
Bottom



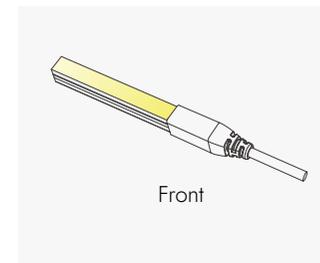
Front

Side

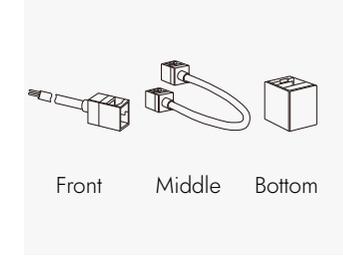
Bottom



Front



Front

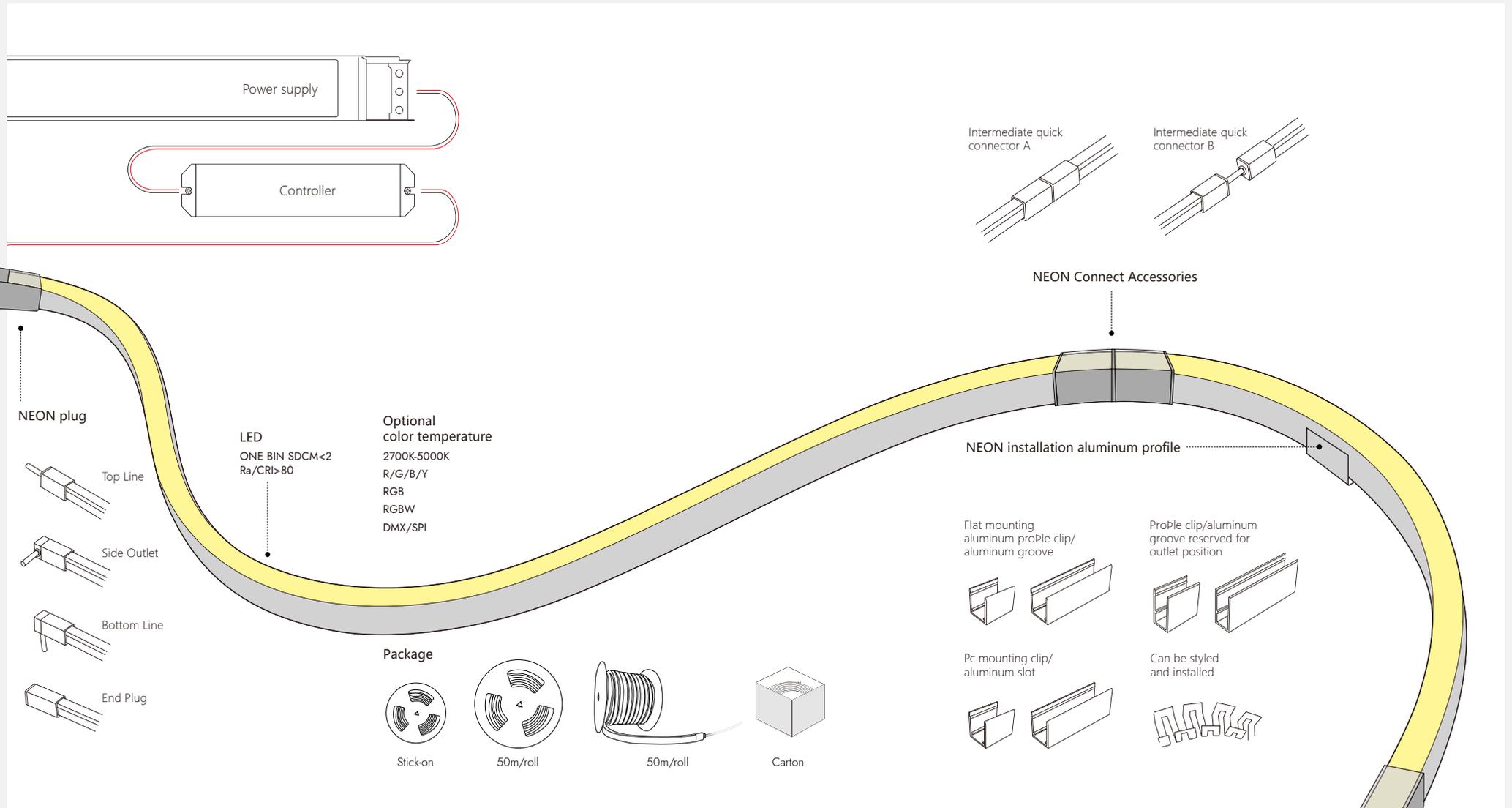


Front

Middle

Bottom

One-stop solution for NEON



Size Available

3D Bending

Model NO.	RF3D-1010	RF3D-1313	RF3D-1616	RF3D-2020
Voltage(V DC)	12V/24V	12V/24V	12V/24V	12V/24V
PCB width	4mm	6mm	6/8mm	12mm
Drawing(mm)	10x10	13x13	16x16	20x20
				
IP Grade	IP67	IP67	IP67	IP67
Mono color	√	√	√	√
CCT	x	√	√	√
RGBW	x	x	√	√
RGBCW	x	x	x	√
Pixel	x	x	x	√

Side Bending

Model NO.	RFS-0408U	RFS-0410	RFS-0410T	RFS-0714R	RFS-1010	RFS-1010T	RFS-0612	RFS-0613R	RFS-0615R	RFS-1015R	RFS-1212
Voltage(V DC)	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V
PCB width	5mm	6mm	6mm	6mm	6mm	6mm	8mm	8mm	8mm	8mm	8mm
Drawing(mm)	04x08	04x10	04x10	07x14	10x10	10x10	06x12	06x13	06x15	10x15	12x12
											
IP Grade	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Mono color	√	√	√	√	√	√	√	√	√	√	√
CCT	x	√	√	√	√	√	√	√	√	√	√
RGBW	x	x	x	x	x	x	√	√	√	√	√
RGBCW	x	x	x	x	x	x	x	x	x	x	x
Pixel	x	x	x	x	x	x	x	x	x	x	x

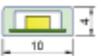
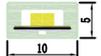
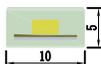
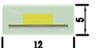
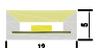
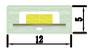
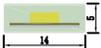
Side Bending

Model NO.	RFS-1515	RFS-0816R	RFS-1218	RFS-1020	RFS-1022R	RFS-1018	RFS-1220	RFS-1616	RFS-1225R	RFS-2020
Voltage(V DC)	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V
PCB width	8/10mm	10mm	10mm	10/12mm	10mm	10mm	10/12mm	10/12mm	10/12mm	10/12mm
Drawing(mm)	15×15	08×16	12×18	10×20	10×22	10×18	12×20	16×16	12×25	20×20
										
IP Grade	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
PCB width	8/10mm	10mm	10mm	10/12mm	10mm	10mm	10/12mm	10/12mm	10/12mm	10/12mm
Mono color	√	√	√	√	√	√	√	√	√	√
CCT	√	√	√	√	√	√	√	√	√	√
RGBW	√	√	√	√	√	√	√	√	√	√
RGBCW	√	√	√	√	√	√	√	√	√	√
Pixel	√	√	√	√	√	√	√	√	√	√

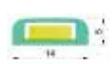
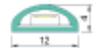
Top Bending

Model NO.	RFT-0704	RFT-1010	RFT-1010U	RFT-1313	RFT-2014	RFT-1005D	RFT-1616	RFT-2020	RFT-1212	RFT-1313U	RFT-1515
Voltage(V DC)	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V
PCB width	5mm	8mm	8mm	8mm	10/12mm	8mm	10/12mm	10/12mm	8mm	8mm	10/12mm
Drawing(mm)	07×04	10×10	10×10	13×13	20×14	10×05	16×16	20×20	12×12	13×13	15×15
											
IP Grade	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Mono color	√	√	√	√	√	√	√	√	√	√	√
CCT	x	√	√	√	√	√	√	√	√	√	√
RGBW	x	√	√	√	√	√	√	√	√	√	√
RGBCW	x	x	x	x	√	x	√	√	x	x	√
Pixel	x	x	x	x	√	x	√	√	x	x	√

Top Bending

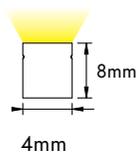
Model NO.	RFT-2727	RFT-3020	RFT-1004C	RFT-1005C	RFT-1005	RFT-1204C	RFT-1205	RFT-1205D	RFT-1205R	RFT-1205C	RFT-1405
Voltage(V DC)	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V
PCB width	12mm	15mm	8mm	8mm	8mm	10mm	10mm	10mm	10mm	10mm	12mm
Drawing(mm)	27×27	30×20	10×04	10×05	10×05	13×13	16×16	10×10	20×20	10×10	13×13
											
IP Grade	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Mono color	√	√	√	√	√	√	√	√	√	√	√
CCT	√	√	√	√	√	√	√	√	√	√	√
RGBW	√	√	√	√	√	√	√	√	√	√	√
RGBCW	√	√	x	x	x	√	√	√	√	√	√
Pixel	√	√	x	x	x	√	√	√	√	√	√

Top Bending

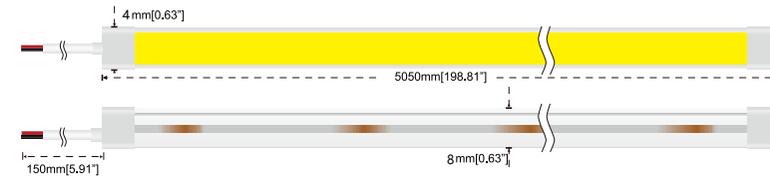
Model NO.	RFT-1405C	RFT-1405D	RFT-1405R	RFT-1004R	RFT-1005R	RFT-1204R	RFT-1404R	RFT-1615R
Voltage(V DC)	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V
Bending Diameter	12mm	12mm	12mm	8mm	8mm	10mm	12mm	8/10/12mm
Drawing(mm)	20×20	13×13	10×10	10×10	10×05	16×16	16×16	10×10
								
IP Grade	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Mono color	√	√	√	√	√	√	√	√
CCT	√	√	√	√	√	√	√	√
RGBW	√	√	√	√	√	√	√	√
RGBCW	√	√	√	x	x	√	√	√
Pixel SPI/DMX	√	√	√	x	x	√	√	√

RFS-0408

Dimensions



Unit: mm[inch]



Available Series



ECO series



STC series



DW series



Available Bending



Side Bending

Basic Parameters



Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFS-0408	Mono color 2700 K 3000 K 3500 K 4000 K 6500 K R G B Y	DC12V	5mm	10W/M	120	2835	Ra 90+	960lm/M	3/25mm	IP20/67	5m/roll	3 years
		DC24V	5mm	10W/M	126	2835	Ra 90+	960lm/M	7/50mm	IP20/67	5m/roll	3 years

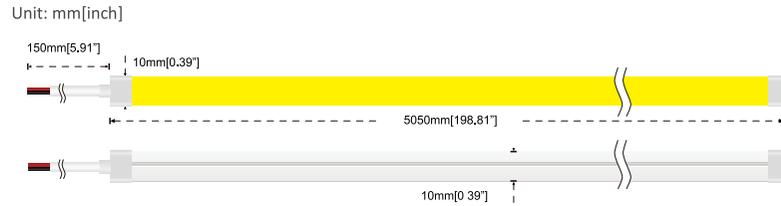
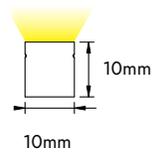
Remarks: LED nos can be customized.

RF3D-1010

RFS-1010

RFT-1010

Dimensions



Available Series



ECO series



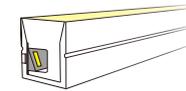
STC series



DW series



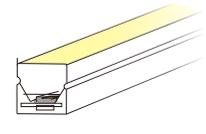
Available Bending



3D Bending



Side Bending



Top Bending

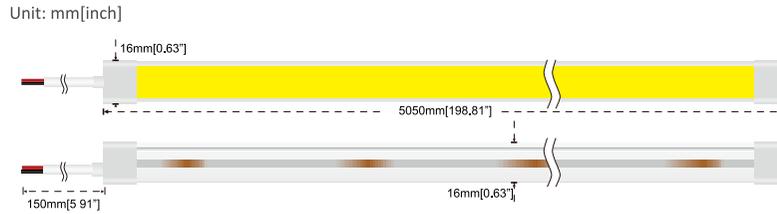
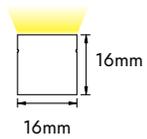
Basic Parameters



Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RF3D-1010	Mono color 2700K 3000K 3500K 4000K 6500K R G B Y	DC12V	4mm	10W/M	120	2835	Ra 90+	960lm/M	3/25mm	IP20/67	5m/roll	3 years
		DC24V	4mm	10W/M	140	2835	Ra 90+	960lm/M	7/50mm	IP20/67	5m/roll	3 years
RFS-1010	Mono color 2700K 3000K 3500K 4000K 6500K R G B Y	DC24V	6mm	10W/M	120	2835	Ra 90+	1030lm/M	6/50mm	IP20/67	5m/roll	3 years
	Tunable white 2700K 6500K	DC24V	6mm	12W/M	240	2216	Ra 90+	1172lm/M	12/50mm	IP20/67	10m/roll	3 years
	RGB R G B	DC24V	6mm	12W/M	240	3535	Ra 90+	1172lm/M	12/50mm	IP20/67	10m/roll	3 years
RFT-1010	Mono color 2700K 3000K 3500K 4000K 6500K R G B Y	DC12V	8mm	6W/M	60	2835	Ra80/90	630lm/M	3/50mm	IP20/67	5m/roll	3 years
		DC12V	8mm	12W/M	120	2835	Ra80/90	1680lm/M	7/41.6mm	IP20/67	10m/roll	3 years
		DC24V	8mm	15W/M	168	2835	Ra90	1265lm/M	3/50mm	IP20/67	5m/roll	3 years
	Tunable white 2700K 6500K	DC12V	8mm	12W/M	120	2835	Ra90	1265lm/M	3/50mm	IP20/67	5m/roll	3 years

RF3D-1616

Dimensions



Available Series



ECO series



STC series



DW series

Available Bending



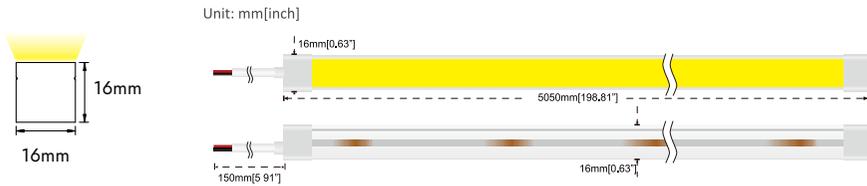
3D Bending

Optical Parameters

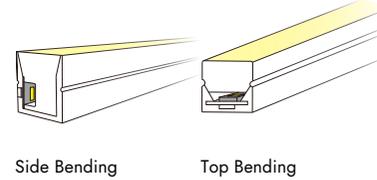


Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RF3D-1616	Mono color 2700 K 3000 K 3500 K 4000 K 6500 K R G B Y	DC24V	6mm	10W	120	2835	Ra 90+	1030lm/M	6/50mm	IP20/67	10m/roll	3 years
		DC12V	8mm	6W	60	2835	Ra80/90+	630lm/M	3/50mm	IP20/67	5m/roll	3 years
		DC12V	8mm	12W	120	2835	Ra80/90+	1265lm/M	3/25mm	IP20/67	5m/roll	3 years
		DC24V	8mm	15W	168	2835	Ra90+	1680lm/M	7/41.6mm	IP20/67	10m/roll	3 years
Tunable white	2700 K 6500 K	DC24V	6mm	12W	240	2010 / 2216	Ra 90+	1172lm/M	12/50mm	IP20/67	10m/roll	3 years
		DC12V	8mm	12W	120	2010 / 2216	Ra 90+	1265lm/M	3/50mm	IP20/67	5m/roll	3 years
RGB		DC24V	6mm	8W	120	3535	/	/	6/50mm	IP20/67	5m/roll	3 years

Dimensions



Available Bending



Available Series



ECO series



STC series



DC series



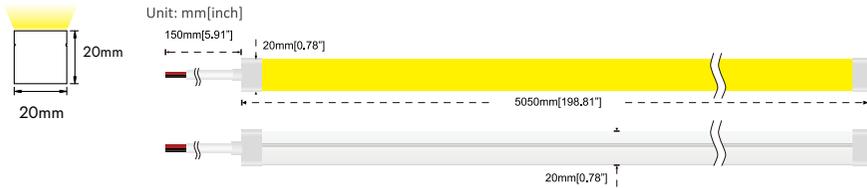
Optical Parameters



Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFS-1616	Mono color	DC12V	10mm	20W	210	2835	Ra 90+	2090lm/M	3/14.28mm	IP20/67	5m/roll	3 years
RFT-1616		DC24V	10mm	7.2W	60	2835	Ra80/90+	630lm/M	6/100mm	IP20/67	10m/roll	3 years
		DC48V	10mm	15W	120	2835	Ra80/90+	1650lm/M	5/41.6mm	IP20/67	10m/roll	3 years
		DC24V	10mm	15W	120	2835	Ra90+	1575lm/M	6/50mm	IP20/67	10m/roll	3 years
		DC24V	10mm	17W	256	2835	Ra90+	2970lm/M	8/31.25mm	IP20/67	10m/roll	3 years
		DC24V	10mm	14W	60	5050	Ra90+	2040lm/M	6/100mm	IP20/67	5/10m/roll	3 years
		DC24V	10mm	17W	120	5050	Ra90+	2040lm/M	6/50mm	IP20/67	5m/roll	3 years
		Tunable white		DC48V	10mm	15W	120	2835	Ra 90+	1650lm/M	5/41.6mm	IP20/67
DC24V	10mm			17W	192	2835	Ra 90+	1780lm/M	12/62.5mm	IP20/67	5m/roll	3 years
RGB		DC24V	10mm	16W	84	5050	/	/	6/71.4mm	IP20/67	5m/roll	3 years
		DC48V	12mm	10W	60	5050	/	/	10/16.6mm	IP20/67	10m/roll	3 years
RGBW		DC24V	12mm	19W	96	3535	Ra90+	/	12/62.5mm	IP20/67	5m/roll	3 years
		DC24V	12mm	18W	60	5050	Ra 90+	/	10/16.6mm	IP20/67	5m/roll	3 years
		DC24V	12mm	20W	120	5050	Ra 90+	/	6/50mm	IP20/67	5m/roll	3 years
		DC48V	12mm	15W	60	5050	Ra 90+	/	10/16.6mm	IP20/67	10m/roll	3 years
RGBCW		DC24V	12mm	18W	60	5050	Ra 90+	/	6/100mm	IP20/67	5m/roll	3 years
		DC24V	12mm	10W	48	5050	Ra 90+	/	6/12.5mm	IP20/67	10m/roll	3 years
Pixel SPI/DMX		DC24V	12mm	14W	60	5050	Ra 90+	/	6/100mm	IP20/67	10m/roll	3 years
		DC24V	12mm	18W	84	5050	Ra 90+	/	6/71.4mm	IP20/67	10m/roll	3 years

RF3D-2020

Dimensions



Available Bending



3D Bending

Available Series



ECO series



STC series



DC series

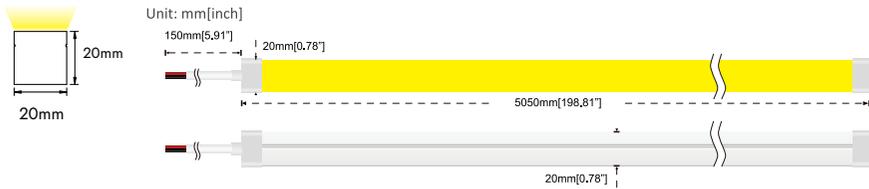


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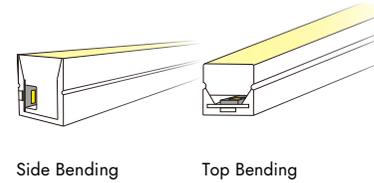


Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFS-1616	Mono color	DC12V	10mm	20W	210	2835	Ra 90+	2090lm/M	3/14.28mm	IP20/67	5m/roll	3 years
RFT-1616		DC24V	10mm	7.2W	60	2835	Ra80/90+	630lm/M	6/100mm	IP20/67	10m/roll	3 years
		DC48V	10mm	15W	120	2835	Ra80/90+	1650lm/M	5/41.6mm	IP20/67	10m/roll	3 years
		DC24V	10mm	15W	120	2835	Ra90+	1575lm/M	6/50mm	IP20/67	10m/roll	3 years
		DC24V	10mm	17W	256	2835	Ra90+	2970lm/M	8/31.25mm	IP20/67	10m/roll	3 years
		DC24V	10mm	14W	60	5050	Ra90+	2040lm/M	6/100mm	IP20/67	5/10m/roll	3 years
		DC24V	10mm	17W	120	5050	Ra90+	2040lm/M	6/50mm	IP20/67	5m/roll	3 years
		DC48V	10mm	15W	120	2835	Ra 90+	1650lm/M	5/41.6mm	IP20/67	10m/roll	3 years
Tunable white		DC24V	10mm	17W	192	2835	Ra 90+	1780lm/M	12/62.5mm	IP20/67	5m/roll	3 years
		DC24V	10mm	16W	84	5050	/	/	6/71.4mm	IP20/67	5m/roll	3 years
RGB		DC48V	12mm	10W	60	5050	/	/	10/16.6mm	IP20/67	10m/roll	3 years
		DC24V	12mm	19W	96	3535	Ra90+	/	12/62.5mm	IP20/67	5m/roll	3 years
RGBW		DC24V	12mm	18W	60	5050	Ra 90+	/	10/16.6mm	IP20/67	5m/roll	3 years
		DC24V	12mm	20W	120	5050	Ra 90+	/	6/50mm	IP20/67	5m/roll	3 years
		DC48V	12mm	15W	60	5050	Ra 90+	/	10/16.6mm	IP20/67	10m/roll	3 years
RGBCW		DC24V	12mm	18W	60	5050	Ra 90+	/	6/100mm	IP20/67	5m/roll	3 years
		DC24V	12mm	10W	48	5050	Ra 90+	/	6/12.5mm	IP20/67	10m/roll	3 years
Pixel SPI/DMX		DC24V	12mm	14W	60	5050	Ra 90+	/	6/100mm	IP20/67	10m/roll	3 years
		DC24V	12mm	18W	84	5050	Ra 90+	/	6/71.4mm	IP20/67	10m/roll	3 years

Dimensions



Available Bending



Available Series



Optical Parameters



Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFS-1616	Mono color	DC12V	10mm	20W	210	2835	Ra 90+	2090lm/M	3/14.28mm	IP20/67	5m/roll	3 years
RFT-1616		DC24V	10mm	7.2W	60	2835	Ra80/90+	630lm/M	6/100mm	IP20/67	10m/roll	3 years
		DC48V	10mm	15W	120	2835	Ra80/90+	1650lm/M	5/41.6mm	IP20/67	10m/roll	3 years
		DC24V	10mm	15W	120	2835	Ra90+	1575lm/M	6/50mm	IP20/67	10m/roll	3 years
		DC24V	10mm	17W	256	2835	Ra90+	2970lm/M	8/31.25mm	IP20/67	10m/roll	3 years
		DC24V	10mm	14W	60	5050	Ra90+	2040lm/M	6/100mm	IP20/67	5/10m/roll	3 years
		DC24V	10mm	17W	120	5050	Ra90+	2040lm/M	6/50mm	IP20/67	5m/roll	3 years
		DC48V	10mm	15W	120	2835	Ra 90+	1650lm/M	5/41.6mm	IP20/67	10m/roll	3 years
Tunable white		DC24V	10mm	17W	192	2835	Ra 90+	1780lm/M	12/62.5mm	IP20/67	5m/roll	3 years
		DC24V	10mm	16W	84	5050	/	/	6/71.4mm	IP20/67	5m/roll	3 years
RGB		DC48V	12mm	10W	60	5050	/	/	10/16.6mm	IP20/67	10m/roll	3 years
		DC24V	12mm	19W	96	3535	Ra90+	/	12/62.5mm	IP20/67	5m/roll	3 years
RGBW		DC24V	12mm	18W	60	5050	Ra 90+	/	10/16.6mm	IP20/67	5m/roll	3 years
		DC24V	12mm	20W	120	5050	Ra 90+	/	6/50mm	IP20/67	5m/roll	3 years
		DC48V	12mm	15W	60	5050	Ra 90+	/	10/16.6mm	IP20/67	10m/roll	3 years
RGBCW		DC24V	12mm	18W	60	5050	Ra 90+	/	6/100mm	IP20/67	5m/roll	3 years
		DC24V	12mm	10W	48	5050	Ra 90+	/	6/12.5mm	IP20/67	10m/roll	3 years
Pixel SPI/DMX		DC24V	12mm	14W	60	5050	Ra 90+	/	6/100mm	IP20/67	10m/roll	3 years
		DC24V	12mm	18W	84	5050	Ra 90+	/	6/71.4mm	IP20/67	10m/roll	3 years



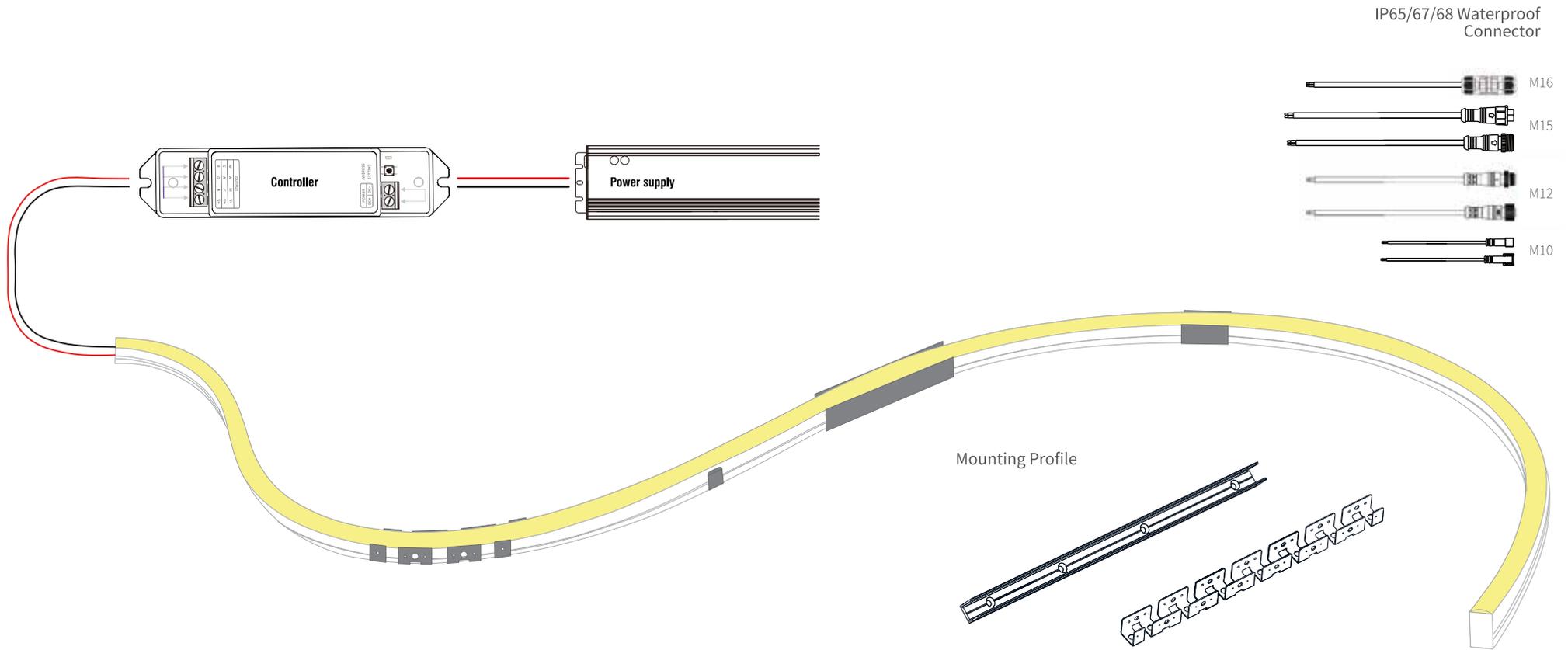
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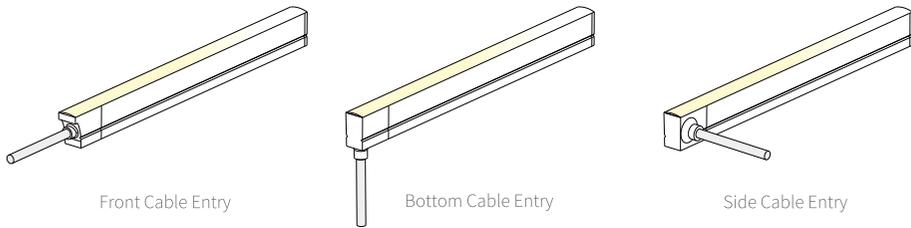
► **IP68 sea water immersion**

Especially formula for under water immersion using
Anti-UV, Ozone resistance, Thermal shock
Anti-chlorine, Salt spray resistance

PU LED Neon Flex Lighting Solution



Various Cable Entry



Aluminum Profile

Flexible Profile

Mounting Clips



Cutting Tool



Dimensions



Available Series



STC series



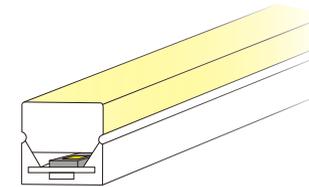
pro series



pro max



Available Bending



320°

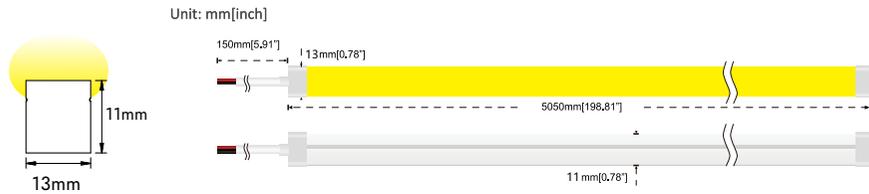
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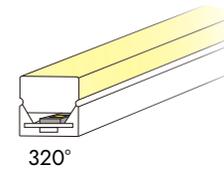
Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFU-T1010	Mono color 	DC12V	6mm	10W	144	3014	Ra 80/90+	780-920lm/M	3/20.8mm	IP68	5m/roll	3 years
		DC24V	6mm	10W	140	3014	Ra 80/90+	780-920lm/M	3/20.8mm	IP68	5m/roll	3 years
		DC24V CC	6mm	10W	120	3014	Ra 80/90+	780-920lm/M	6/50mm	IP68	7.5m/roll	3 years
	Tunable white	DC24V	6mm	16W/M	224	3014	Ra 80/90+	600lm/M	14/62.5mm	IP68	5m/roll	3 years
	RGB	DC24V	6mm	10W/M	120	2835	/	/	6/50mm	IP68	5m/roll	3 years
	RGBW	DC24V	6mm	10W/M	240	2835/3014	/	/	12/50mm	IP68	5m/roll	3 years

RFU-T1311

Dimensions



Available Bending



Available Series

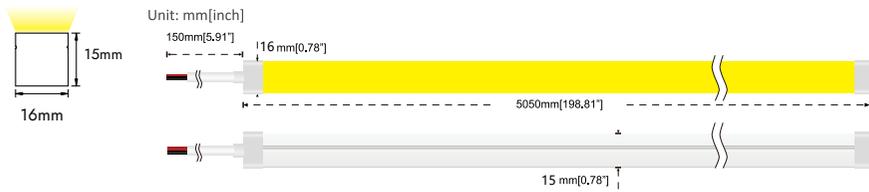


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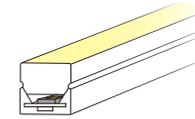


Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
DC24V	Mono color 2700 K 3000 K 3500 K 4000 K 6500 K R G B Y	DC24V	8mm	12W	140	2835	Ra 80/90+	900-1020lm/M	7/50mm	IP68	5m/roll	3 years
	RGB	DC24V	8mm	12W	120	2835	/	/	6/50mm	IP68	5m/roll	3 years
	RGBW	DC24V	8mm	12W	96	5050	/	/	6/62.5mm	IP68	5m/roll	3 years

Dimensions



Available Bending



Top Bending

Available Series



STC series



pro series



pro max



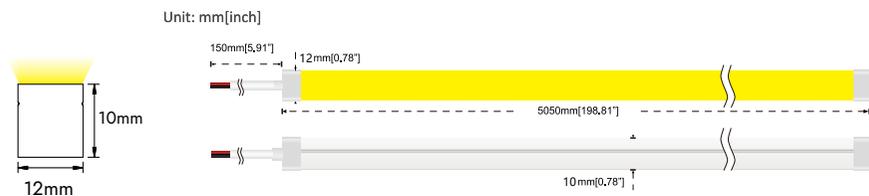
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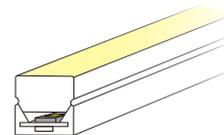
Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFU-T1615	Mono color 	DC24V	8mm	10W	140	3014	Ra 80/90+	750-950lm/M	7/50mm	IP68	10m/roll	3 years
		DC12V	8mm	10W	144	3014	Ra 80/90+	750-950lm/M	3/20.8mm	IP68	5m/roll	3 years
		DC24V CC	8mm	10W	120	3014	Ra80+	600-680LM/M	6/50mm	IP68	10m/roll	3 years
		DC24V CC	8mm	7W	96	2835	Ra 80/90+	320-400lm/M	4/41.6mm	IP68	25m/roll	3 years
Tunable white		DC24V CC	8mm	16W	224	3014	Ra 80/90+	600lm/M	14/62.5mm	IP68	5m/roll	3 years
RGB		DC24V	8mm	10W	70	5050	/	/	7/100mm	IP68	5m/roll	3 years
RGBW		DC24V	8mm	13W	70	5050	Ra80/90+	600lm/M	7/100mm	IP68	5m/roll	3 years
		DC24V	8mm	14W	96	5050	Ra80/90+	700lm/M	6/62.5mm	IP68	5m/roll	3 years
Pixel SPI/DMX	DMX	DC24V	8mm	22W	98	2835	Ra80/90+	536lm/M	7/71.4mm	IP68	5m/roll	3 years
		DC24V	8mm	13W	60	5050	Ra80/90+	380lm/M	7/100mm	IP68	5m/roll	3 years
		DC24V	8mm	18W	70	5050	Ra80/90+	450lm/M	7/100mm	IP68	5m/roll	3 years
		SPI	DC24V	8mm	13W	70	5050	Ra80/90+	450lm/M	7/100mm	IP68	5m/roll

RFU-T1311

Dimensions



Available Bending



Top Bending

Available Series



STC series



pro series



pro max

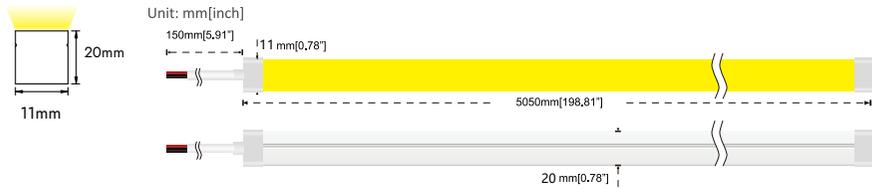


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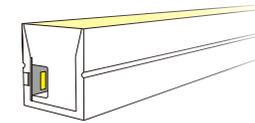


Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFU-T1615	Mono color 	DC24V	8mm	10W	140	3014	Ra 80/90+	750-950lm/M	7/50mm	IP68	10m/roll	3 years
		DC12V	8mm	10W	144	3014	Ra 80/90+	750-950lm/M	3/20.8mm	IP68	5m/roll	3 years
		DC24V CC	8mm	10W	120	3014	Ra80+	600-680LM/M	6/50mm	IP68	10m/roll	3 years
		DC24V CC	8mm	7W	96	2835	Ra 80/90+	320-400lm/M	4/41.6mm	IP68	25m/roll	3 years
	Tunable white		DC24V CC	8mm	16W	224	3014	Ra 80/90+	600lm/M	14/62.5mm	IP68	5m/roll
RGB		DC24V	8mm	10W	70	5050	/	/	7/100mm	IP68	5m/roll	3 years

Dimensions



Available Bending



Side Bending

Available Series



STC series



pro series



pro max



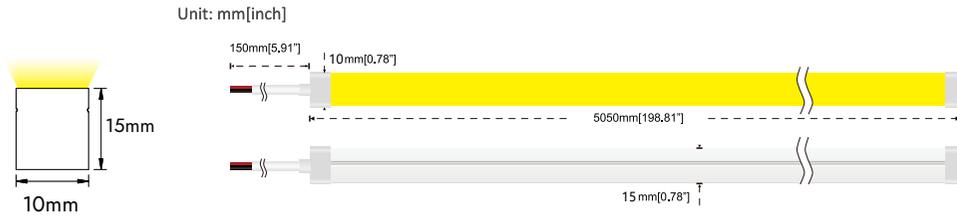
Optical Parameters



Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFU-T1615	Mono color 2700 K 3000 K 3500 K 4000 K 6500 K R G B Y	DC24V	8mm	10W	140	3014	Ra 80/90+	750-950lm/M	7/50mm	IP68	10m/roll	3 years
		DC12V	8mm	10W	144	3014	Ra 80/90+	750-950lm/M	3/20.8mm	IP68	5m/roll	3 years
		DC24V CC	8mm	10W	120	3014	Ra80+	600-680LM/M	6/50mm	IP68	10m/roll	3 years
		DC24V CC	8mm	7W	96	2835	Ra 80/90+	320-400lm/M	4/41.6mm	IP68	25m/roll	3 years
Tunable white	2700 K 6500 K	DC24V CC	8mm	16W	224	3014	Ra 80/90+	600lm/M	14/62.5mm	IP68	5m/roll	3 years
RGB		DC24V	8mm	10W	70	5050	/	/	7/100mm	IP68	5m/roll	3 years
RGBW		DC24V	8mm	13W	70	5050	Ra80/90+	600lm/M	7/100mm	IP68	5m/roll	3 years
		DC24V	8mm	14W	96	5050	Ra80/90+	700lm/M	6/62.5mm	IP68	5m/roll	3 years
Pixel SPI/DMX	DMX	DC24V	8mm	22W	98	2835	Ra80/90+	536lm/M	7/71.4mm	IP68	5m/roll	3 years
		DC24V	8mm	13W	60	5050	Ra80/90+	380lm/M	7/100mm	IP68	5m/roll	3 years
		DC24V	8mm	18W	70	5050	Ra80/90+	450lm/M	7/100mm	IP68	5m/roll	3 years
		SPI	DC24V	8mm	13W	70	5050	Ra80/90+	450lm/M	7/100mm	IP68	5m/roll

RFU-S1015

Dimensions



Available Bending



Side Bending

Available Series



STC series



pro series



pro max



Optical Parameters



Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty	
RFU-T1615	Mono color 2700 K 3000 K 3500 K 4000 K 6500 K R G B Y	DC24V	8mm	10W	140	3014	Ra 80/90+	750-950lm/M	7/50mm	IP68	10m/roll	3 years	
		DC12V	8mm	10W	144	3014	Ra 80/90+	750-950lm/M	3/20.8mm	IP68	5m/roll	3 years	
		DC24V CC	8mm	10W	120	3014	Ra80+	600-680LM/M	6/50mm	IP68	10m/roll	3 years	
		DC24V CC	8mm	7W	96	2835	Ra 80/90+	320-400lm/M	4/41.6mm	IP68	25m/roll	3 years	
	Tunable white	2700 K 6500 K	DC24V CC	8mm	16W	224	3014	Ra 80/90+	600lm/M	14/62.5mm	IP68	5m/roll	3 years
	RGB		DC24V	8mm	10W	70	5050	/	/	7/100mm	IP68	5m/roll	3 years

Dimensions



Available Bending



Side Bending

Available Series



STC series



pro series



pro max



Optical Parameters



Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty
RFU-T1615	Mono color 2700 K 3000 K 3500 K 4000 K 6500 K R G B Y	DC24V	8mm	10W	140	3014	Ra 80/90+	750-950lm/M	7/50mm	IP68	10m/roll	3 years
		DC12V	8mm	10W	144	3014	Ra 80/90+	750-950lm/M	3/20.8mm	IP68	5m/roll	3 years
		DC24V CC	8mm	10W	120	3014	Ra80+	600-680lm/M	6/50mm	IP68	10m/roll	3 years
		DC24V CC	8mm	7W	96	2835	Ra 80/90+	320-400lm/M	4/41.6mm	IP68	25m/roll	3 years
	Tunable white	2700 K 6500 K	DC24V CC	8mm	16W	224	3014	Ra 80/90+	600lm/M	14/62.5mm	IP68	5m/roll

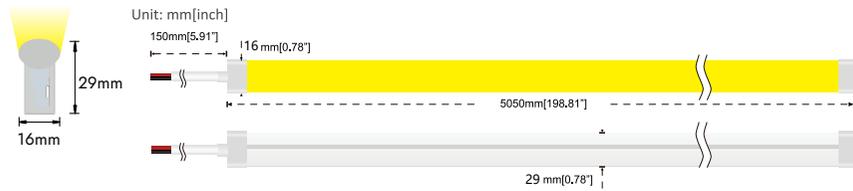


PVC

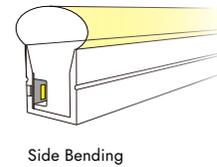
▶ Anti-Chlorine

IP68 Waterproof with dropping glue end caps
Anti-UV , Ozone resistance, Low yellowing and
gloss loss
Salt Spray resistance, Anti-Chlorine
Suitable for sea port ,cruise, yacht etc. using

Dimensions



Available Bending



Available Series

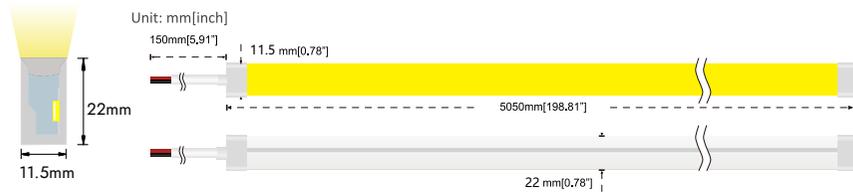


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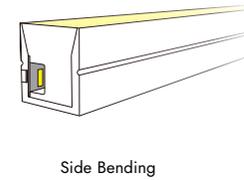


Model	CCT & Color	Voltage	FPC width	Power (W/M)	LED nos	LED Type	CRI	Luminous	Cutting	IP Grade	Package	Warranty	
RFU-T1615	Mono color 2700 K 3000 K 3500 K 4000 K 6500 K R G B Y	DC24V	8mm	10W	140	3014	Ra 80/90+	750-950lm/M	7/50mm	IP68	10m/roll	3 years	
		DC12V	8mm	10W	144	3014	Ra 80/90+	750-950lm/M	3/20.8mm	IP68	5m/roll	3 years	
		DC24V CC	8mm	10W	120	3014	Ra80+	600-680LM/M	6/50mm	IP68	10m/roll	3 years	
		DC24V CC	8mm	7W	96	2835	Ra 80/90+	320-400lm/M	4/41.6mm	IP68	25m/roll	3 years	
	Tunable white 2700 K 6500 K	DC24V CC	8mm	16W	224	3014	Ra 80/90+	600lm/M	14/62.5mm	IP68	5m/roll	3 years	
	RGB	DC24V	8mm	10W	70	5050	/	/	7/100mm	IP68	5m/roll	3 years	
	RGBW	DC24V	8mm	13W	70	5050	Ra80/90+	600lm/M	7/100mm	IP68	5m/roll	3 years	
DC24V		8mm	14W	96	5050	Ra80/90+	700lm/M	6/62.5mm	IP68	5m/roll	3 years		
	Pixel SPI/DMX	DMX	DC24V	8mm	22W	98	2835	Ra80/90+	536lm/M	7/71.4mm	IP68	5m/roll	3 years
DC24V			8mm	13W	60	5050	Ra80/90+	380lm/M	7/100mm	IP68	5m/roll	3 years	
DC24V			8mm	18W	70	5050	Ra80/90+	450lm/M	7/100mm	IP68	5m/roll	3 years	
SPI		DC24V	8mm	13W	70	5050	Ra80/90+	450lm/M	7/100mm	IP68	5m/roll	3 years	

Dimensions



Available Bending



Available Series

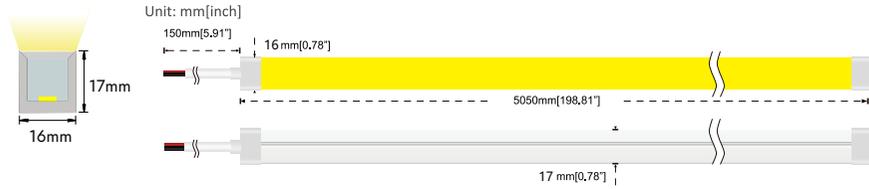


Optical Parameters

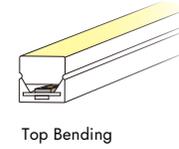


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	Tunable white		DC24V CC	8mm	16W	224	3014	Ra 80/90+	600lm/M	14/62.5mm	5m/roll	3 years	
	RGB		DC24V	8mm	10W	70	5050	/	/	7/100mm	5m/roll	3 years	
	RGBW		DC24V	8mm	13W	70	5050	Ra80/90+	600lm/M	7/100mm	5m/roll	3 years	
DC24V			8mm	14W	96	5050	Ra80/90+	700lm/M	6/62.5mm	IP68	5m/roll	3 years	
	Pixel SPI/DMX	DMX	DC24V	8mm	22W	98	2835	Ra80/90+	536lm/M	7/71.4mm	IP68	5m/roll	3 years
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		SPI	DC24V	8mm	13W	70	5050	Ra80/90+	450lm/M	7/100mm	5m/roll	3 years	

Dimensions



Available Bending



Available Series



Optical Parameters



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		SPI	DC24V	8mm	13W	70	5050	Ra80/90+	450lm/M	7/100mm	IP68	5m/roll	3 years

Flex Neon

How to choose?

▶ Step1:According to application

Different application required differently, such as waterproof , Anti-UV , Anti-Chlorine etc.

- Common Indoor
- Common Outdoor
- Swimming Pool
- Inground
- Under Water
- Fuel Immersion
- Solvent Resistance
- Spring, Sauna
- Beverage & Food
- Explosion-Proof

▶ Step2:Choose suitable formula

ECO SERIES

Common Indoor using, Required RoHs , IP20 only, 2-3 years warranty;
Cost -saving solution;

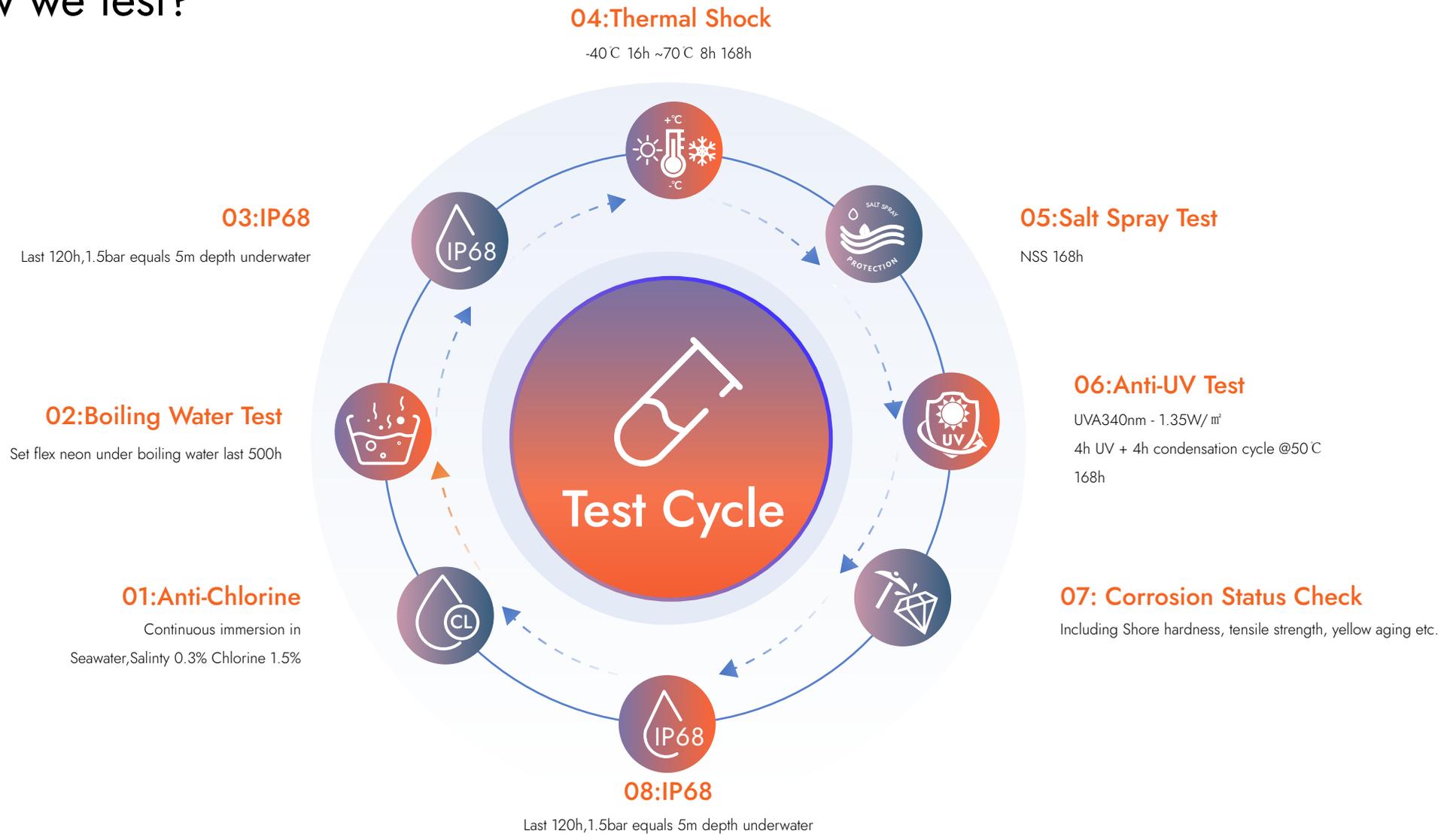
STC SERIES

Common outdoor using, Required REACH, IP67/IP68/IP69K, Anti-UV, Ozone resistance, Thermal shock ,Salt spray resistance, Anti- Chlorine and whatnot;
Designed for outdoor using, but not for permanent water immersion applications , 3 years warranty ;

PRO MAX SERIES

Especially designed for under water permanent immersion applications;
Especially considered material's water absorption , Anti-hydrolysis & Biological degradation ;
Especially designed for longer warranty up to 5/7/10 years;
The formula of this serie is customized as per application requirements;

How we test?



Remarks: These are in house testes, for some certain tests should be arranged in the third library due to equipments and professional skills.

Overview of the Regulatory Norms

Symbol	Term	Description
	REACH RoHS	In market ,full of NON-REACH complianced Flex Neon, which is much cheaper and unstahe performance such as yellowing, chalking etc.
	Flammability	Silicone and PVC material can reach V0 grade ,however, due to specificity of PU formula, cannot be reached V0 grade.
	Salt Spray Test	Test : IEC 60068-2-52 There are 4 types of different test methods. This test is important for products which are used in saline environments such as shipyards, cruise ships, yachts etc.
	Ozone resistance	Test : ISO1431-3:2017 Long term exposure under ozone will damage silicone,PVC,PU flex neon, it will destory the molecular structure, then make it fragile and lose some of its original physical properties.
	Anti-UV	Test : ISO 4892-3 Test condition : UVA@340nm / UVB@313nm The most damage of UV is color changes yellowing, fading and loss of gloss, further chalking, flaking, tearing, and chipping, and structure failures.
	Thermal Shcok	Test : IEC 60068-2-1&2 From -40 C to 70 C cycling test, and rapid temperature change test, to check if structure failures.
	Anti-Chlorine	Test : GB37488-2019 Standards : free chlorine 0.3-1.0mg/L Especially for swimming pool using.
	Solvent resistance	Our flex neon can stand regular detergent,disinfectants, but special attention should be paid to Oxalic acid or similar types of strong acid.

Symbol	Term	Description
	IP67	Test time : 30mins Test condition : 1m depth which means can be immersed under water temporary
	IP68	Test time : 60mins Test condition : 1m depth which means can be immersed under water temporary, if can last work under water for years, need more supports
	IP69K	The Flex Neon are immersed in 80 C water at a water pressure of 100bar from a distance of 45cm and 4 differnt direction angle lasting 120mins. Especially required in food & beverage or similar industry.
	IK Grade	IK08 means can stand 1.7kg impact from 300mm high IK10 means can stand 5kg impact from 400mm high
	Abrasion	which called Taber test, this test aims to check not only the resistance of abrasion for diver-walk over-steps but also the continuous passage of cleaning material such as cloths, mops,sponges .
	Inground	Test : IEC60598-2-13 Resistance to Static Load : 10000kg Resistance to Torque Load : 50Nm Resistance to Shere Load : 5KN This test is for inground fixture, to test the endurance capacity when vehicles driving status.
	Eco series	eco stands for economic solution, mainly for indoor using and main voltage flex neon
	STC series	STC stands for our default solution, usually for 3 years warranty
	DW series	DW stands for Dowcorning company, the silicone material such as 7021 has excellent performance
	Pro series	Pro series is a customized formula for longer anti-UV resistance, especially for outdoor using
	Pro max series	Pro max series is a customized formula for underwater using, which is the most challenging application