

# LED NEON FLEX NDR2018





**Features**

- Color options: Single color, tunable white, RGB, RGBW and pixel.
- Design: Superior design with exquisite craftsmanship ensure stable and reliable performance.
- Flexibility: Top bending, min. bend diameter 120mm [4.72inch].
- IP grade: Silicone extrusion, injection molded cap, IP67 protection. Glue process end caps, IP67 protection.
- Warranty: 5 years indoor, 3 years outdoor.
- Customization: multiple spec options, can be customized upon requirements.



Model No.	Voltage	Beam Angle	Dimmable	CRI	Color	Lm/m	Lm/W	Rated Power (W/m)	
NDR2018-Single color	24V DC	155°	Yes	>80	2200K	1084	64.7	15.3	
					2700K	1374	79.7		
					4200K	1469	91.7		
					5200K	1459	87.1		
					6200K	1409	86.3		
					/	Red	290		19.3
					/	Green	925		61.7
NDR2018-WN	24V DC	148°	Yes	>80	3000K	640	88.8	7.2	
					6300K	668	92.8	7.2	
					W+N	1313	91.1	14.4	
NDR2018-RGB	24V DC	155°	Yes	/	Red	141	31.0	5.1	
					Green	313	61.2	5.1	
					Blue	65	12.0	5.1	
					RGB	500	33.5	15.3	
NDR2018-RGBW	24V DC	148°	Yes	>80	6500K	439	81.4	4.3	
					/	Red	106	24.8	4.3
					/	Green	289	60.2	4.3
					/	Blue	64	13.3	4.3
					/	RGBW	876	47.3	17.2
					/	Red	112	14.5	5.1
NDR2018-PIXEL (RGB)	24V DC	155°	Yes	/	Green	249	30.6	5.1	
					Blue	55	6.8	5.1	
					RGB	382	23.3	15.5	

**Other Parameters**

Model No.	LED QTY (pcs/m)	Min. Cuttable Length	Working Temperature	Storage Temperature
NDR2018-Single color	96	62.5	-20~+60°C	-20~+70°C
NDR2018-WN	240	50.0		
NDR2018-RGB	96	62.5		
NDR2018-RGBW	72	83.33		
NDR2018-PIXEL (RGB)	72	83.33		

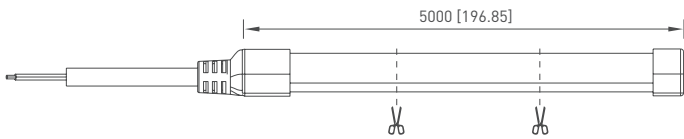
Note:

The given data is typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

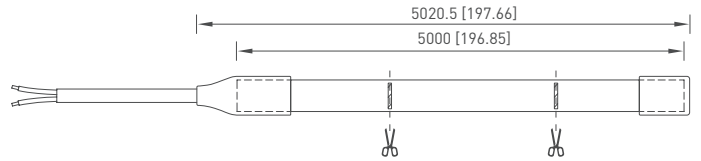
## Profile Drawings

Unit:mm [inch]

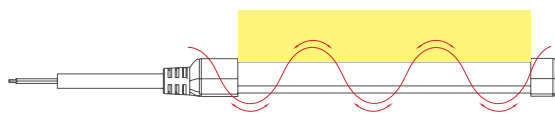
Glue Process (IP67)



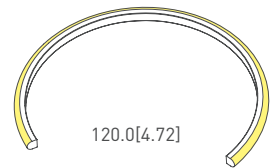
Molding pressed (IP68)



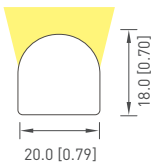
Bend direction



Bending Diameter

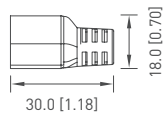


Sectional view

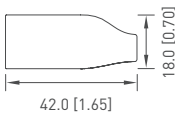


Front cap

Glue Process (IP67)

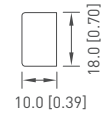


Molding pressed (IP67)

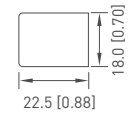


Closing End-cap

Glue Process (IP67)



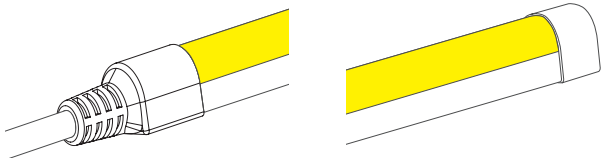
Molding pressed (IP67)



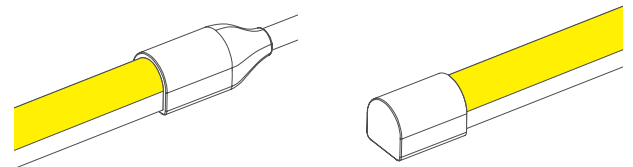
Remarks: "L" is the standard size of the light strip, can be customized according to the multiple of the minimum cutting unit length.

### IP Process Technology

Glue Process (IP67)



Molding pressed (IP68)


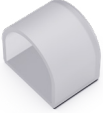

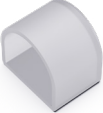









- Glue process the end cap after cutting, warranty will be provided upon IP65 rated.
- No warranty will be provided if the injection moulded(IP68) end cap destroyed or reprocessed.
- Corresponding molding equipment and mold needed for self-processing injection moulded end cap, contact the sales for more information.

## Packaging information

Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
NDR2018-Single color	10000*20*18	390*390*325	10	4	/(1±10%)	18.50 (1± 10%)
NDR2018-WN	10000*20*18	390*390*325	30	3	/(1±10%)	10.85 (1± 10%)
NDR2018-RGBW	5000*20*18	390*390*325	5	10	/(1±10%)	18.55 (1± 10%)
NDR2018-PIXEL (RGB)	10000*20*18	380*380*325	10	2	/(1±10%)	10.50 (1± 10%)

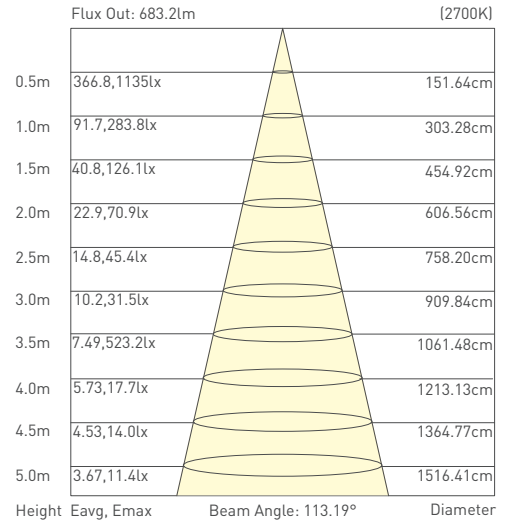
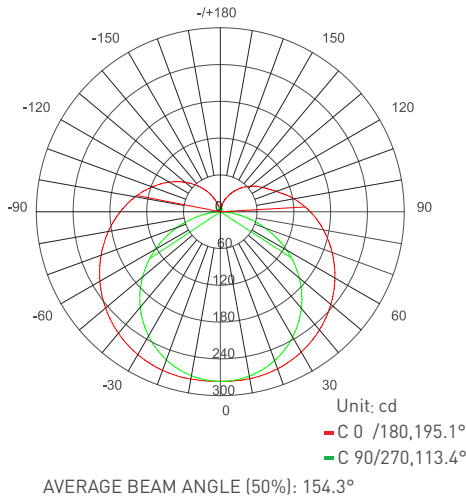
## Product accessories

	Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional
	Front cap (Injection Moulded)	NDR2018-PCIIM	50*23.2*21.2	(5/10):2/4	Optional
	Closing End-cap (Injection Moulded)	NDR2018-ECIM	22.5*23.2*21.2	(5/10):2/4	Optional
	Front cap	NDR2018-PCIS	40.0*23.0*21.0	(5/10):2/4	Free
	Closing End-cap	NDR2018-ECS	17.0*23.0*21.0	(5/10):2/4	Free
	Front cap (Left)	NDR2018-PCLS	42.0*46.0*21.0	(5/10):2/4	Optional
	Front cap (Right)	NDR2018-PCRS	42.0*46.0*21.0	(5/10):2/4	Optional
	Front cap (Bottom)	NDR2018-PCBS	31.50*22.89*44.50	(5/10):2/4	Optional
	Clip	NDR2018-Clip	20*25*10	(5/10):20/40	Optional

Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional
 Plastic Channel	NDR2018-pc	1220*25.5*10	(5/10):	Optional
 screws	PA3	PA3*10mm	NDR2018-Clip: 1pc/piece NDR2018-PC: 3pcs/piece	Optional
 Silicone Glue	WR-7516	300g/pc	(5/10):1	Optional

Luminous Intensity Distribution Diagram

Average Illumination



Note: the above two figures are tested with the sample NDR2018-W, for other datas, please consult sales rep.

Recommended power supply upon working length

Model No.	NDR2018-Single color		NDR2018-WN		NDR2018-RGB		
Working Length(m)	1	5	1	10	1	5	10
Measured Current (A)	0.64	2.88	0.6	6.0	0.64	2.88	6.4
Rated Voltage (DC V)	24	24	24	24	24	24	24
Measured Power(W)	15.36	69.12	14.4	144	15.36	69.12	153.6
Recommended Power Supply(W)	25	100	24	200	20	100	180
Power Supply Mode	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed

Model No.	NDR2018-RGBW		NDR2018-PIXEL (RGB)		
Working Length(m)	1	5	1	5	10
Measured Current (A)	0.72	3.24	0.65	2.92	5.85
Rated Voltage (DC V)	24	24	24	24	24
Measured Power(W)	17.28	77.76	15.55	70.2	140.4
Recommended Power Supply(W)	24	100	25	100	180
Power Supply Mode	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed

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