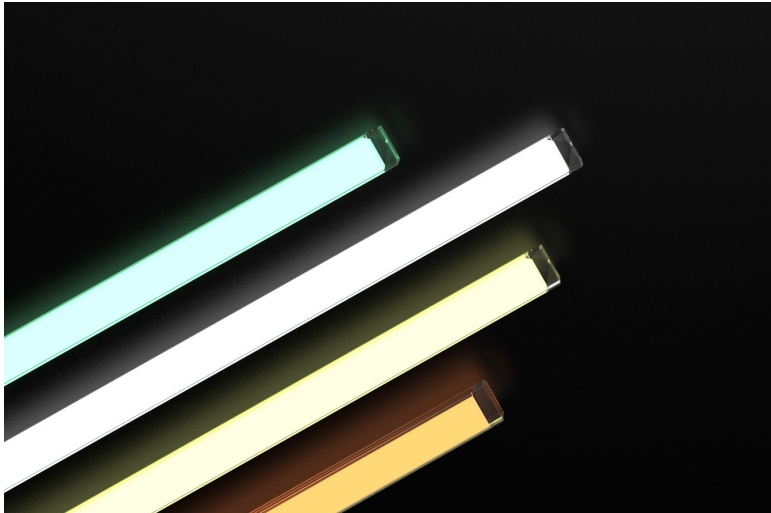


# LED NEON FLEX NDF1212





**Features**

- Color options: Single color, Tunable white and RGB.
- Design: Superior design with exquisite craftsmanship ensure stable and reliable performance.
- Flexibility: Top bending, min. bend diameter 60mm[2.36].
- IP grade: Silicone extrusion, injection molded cap, IP68 protection. Glue process end caps, IP67 protection.
- Warranty: 5 years indoor, 3 years outdoor.
- Customization: multiple spec options, can be customized upon requirements.



**Optical & Electrical Parameters**

Model No.	NDF1212-Single color					
CCT/Wavelength (K/nm)	2300K	2700K	3000K	4300K	5000K	6200K
Beam Angle (°)	113	113	113	113	113	113
Luminous Flux (lm/m)	448	638	691	734	744	710
CRI	90+	80+	80+	80+	80+	80+
Efficacy (lm/W)	38.3	55.7	59.8	62.8	63.7	60.8
Voltage (V DC)	24	24	24	24	24	24
Measured Power (W/m)	11.5±10%	11.5±10%	11.5±10%	11.5±10%	11.5±10%	11.5±10%

Model No.	NDF1212-Single color				
CCT/Wavelength (K/nm)	Red	Green	Blue	Yellow	Orange
Beam Angle (°)	113	113	113	113	113
Luminous Flux (lm/m)	260	758	154	184	304
CRI	80+	80+	80+	80+	80+
Efficacy (lm/W)	22.3	65.0	13.2	16.0	26.1
Voltage (V DC)	24	24	24	24	24
Measured Power (W/m)	11.5±10%	11.5±10%	11.5±10%	11.5±10%	11.5±10%

Model No.	NDF1212-WN		
CCT/Wavelength (K/nm)	3000K	6000K	W+N
Beam Angle (°)	113	113	113
Luminous Flux (lm/m)	463	464	912
CRI	70+	70+	70+
Efficacy (lm/W)	64.3	64.9	63.7
Voltage (V DC)	24	24	24
Measured Power (W/m)	7.2±10%	7.1±10%	14.3±10%

NDF1212-RGB			
Red	Green	Blue	RGB
113	113	113	113
90	234	48	356
--	--	--	80+
19.2	47.7	10.2	25.3
24	24	24	24
4.7±10%	4.9±10%	4.6±10%	14.1±10%



Basic Parameters

Model No.	NDF1212-Single color	NDF1212-WN	NDF1212-RGB
LED QTY (pcs/m)	144	240	120
Product Size L*W*H(mm)	15000*12.5*12	10000*12.5*12	5000*12.5*12
Standard Run Length(mm)	15000	10000	5000
Min. Cuttable Length(mm)	41.66mm	50	50
Working Temperature	-20~+60°C	-20~+60°C	-20~+60°C
Storage Temperature	-20~+70°C	-20~+70°C	-20~+70°C

Note:

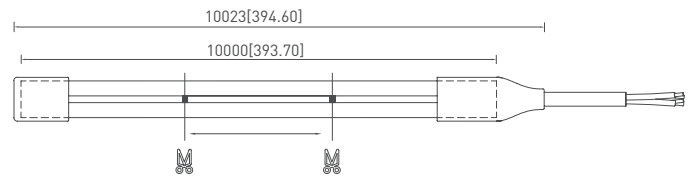
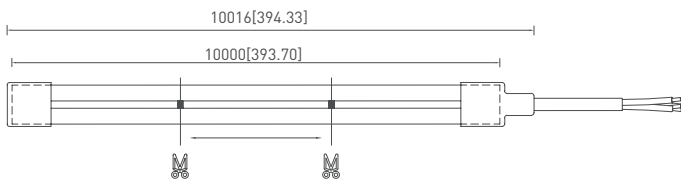
The given data is typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Profile Drawings

Glue Process (IP67)

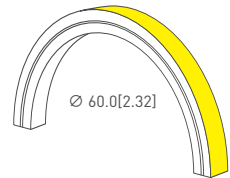
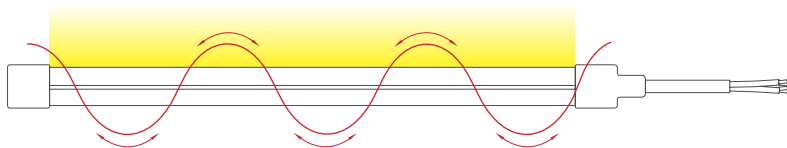
Injection Moulded (IP68)

Unit:mm[inch]



Bend direction

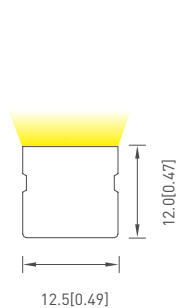
Bending Diameter



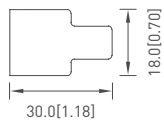
Sectional view

Front cap

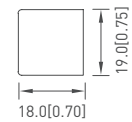
Closing End-cap



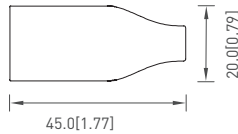
Glue Process (IP67)



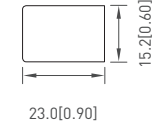
Glue Process (IP67)



Injection Moulded (IP68)



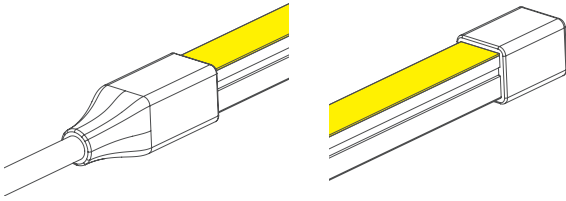
Injection Moulded (IP68)



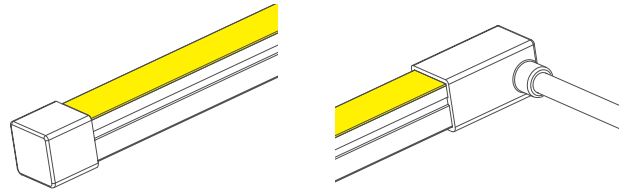
Remarks: "L" is the standard size of the light strip, can be customized according to the multiple of the minimum cutting unit length.

IP Process Technology

Injection Moulded (IP68)



Glue Process (IP67)

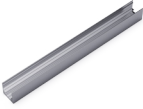

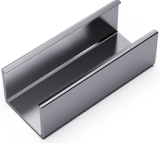

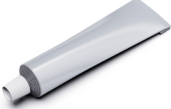


- After cutting, the IP protection of both glue processed and injection moulded product will drop to IP65, for injection moulded product, if customer self-processed injection moulded end cap for the cutted end, the IP protection will keep the IP68 level.
- Injection moulded end cap self-processing, need to prepare corresponding mold and molding equipment.
- If the customer reprocesses Blueview injection moulded end cap, and the waterproof of the molded end does not meet Blueview standard, the potential troubles are not covered by the warranty.

Product accessories

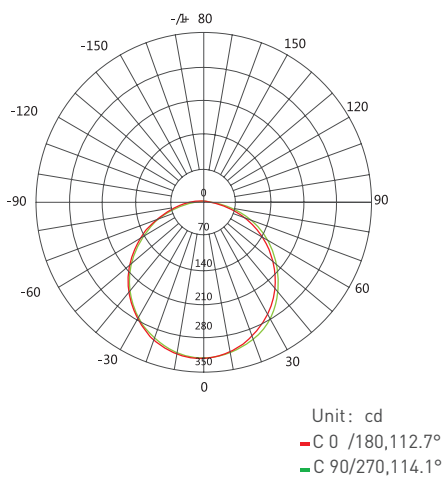
Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional
Front cap (Injection Moulded)	NDF1212-PCIIM	44*15.7*15.2	(5/10/15): 1	Optional
Closing End-cap (Injection Moulded)	NDF1212-ECIM	23*15.7*15.2	(5/10/15): 3/6/9	Optional
Front cap	NDF1212-PCIS	27.5*14.9*14.4	(5/10/15): 3/6/9	Free
Closing End-cap	NDF1212-ECS	14*4.9*14.4	(5/10/15): 1	Free
Front cap (Left)	NDF1212-PCLS	27.5*20.9*14.4	(5/10/15): 3/6/9	Optional
Front cap (Right)	NDF1212-PCRS	27*20.4*14.4	(5/10/15): 3/6/9	Optional
Front cap (Bottom)	NDF1212-PCBS	27*20.4*14.9	(5/10/15): 3/6/9	Optional

Product accessories

Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional	
	Aluminum Channel	NDF1212-AC	1000*14.8*15	(5/10/15): 5/10/15	Optional
	S-type Track	NDF1212-ACS	500*13.5*13.6	(5/10/15): 5/10/15	Optional
	3.5cm Aluminum track	NDF1212-AMC	35*14.8*15	(5/10/15):15/34/45	Optional
	Screws	--	----	NDF1212-AC:3pcs/piece NDF1212-ACS:2pcs/piece NDF1212-AMC:2pcs/piece	Optional
	Silicone Glue	--	----	(5/10/15):1	Optional

Luminous Intensity Distribution Diagram

Average Illumination



Flux Out: 393.7lm

Height	Eavg, Emax	Beam Angle: 112.70°	Diameter
0.5m	372.5,1332lx		150.22cm
1.0m	93.12,333.1lx		300.45cm
1.5m	41.39,148.0lx		450.67cm
2.0m	23.28,83.27lx		600.90cm
2.5m	14.90,53.29lx		751.12cm
3.0m	10.35,37.01lx		901.35cm
3.5m	7.601,27.19lx		1051.57cm
4.0m	5.820,20.82lx		1201.80cm
4.5m	4.598,16.45lx		1352.02cm
5.0m	3.725,13.32lx		1502.25cm

Note: the above two figures are tested with the sample NDF1212-WN at CCT 6000K, for other data, please consult sales rep.

### Packaging information

Model No.	NDR1212-Single color	NDF1212-WN	NDF1212-RGB
Product Size L*W*H (mm)	15000*12.5*12	10000*12.5*12	5000*12.5*12
Carton Size (mm)	390*390*325	390*390*325	390*390*325
Meter/Reel	15	10	5
Reel/Carton	3	3	15
Net Weight (kg)	8.05 (1± 10%)	5.65 (1± 10%)	13.45(1± 10%)
Gross Weight (kg)	11.15 (1± 10%)	8.45 (1± 10%)	17.95(1± 10%)

Note: For the NDF1212-WN, the gross weight is less than the volume weight, the volume is 9.89kg.

### Recommended power supply upon working length

Model No.	NDR1212-Single color		NDF1212-WN		NDF1212-RGB	
	1	15	1	10	1	5
Working Length(m)						
Rated Current (A)	0.48	7.2	0.6	6	0.6	2.7
Rated Voltage (DC V)	24	24	24	24	24	24
Rated Power(W)	11.52	172.8	14.4	144	14.4	64.8
Recommended Power Supply(W)	24	240	24	200	24	100
Power Supply Mode	Single Feed		Single Feed		Single Feed	

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