

LED NEON FLEX

NDF1617-48V





Features

- Application: For large building and architecture lighting and decoration with good flexibility.
- Long Run: adopt 48VDC voltage for longer max. Run length reach as 35meters single end powered,also possibility to reach 50m if power consumption reduced within acceptable brightness.
- High CRI: CRI80 or CRI90 for choice.
- Uniformity: high uniformity and high brightness as 580lm/m
- 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.	NDF1617-48V-single color				
CCT/Wavelength (K/nm)	2600K	3000K	4200K	5000K	6000K
Beam Angle (°)	110	110	110	110	110
Luminous Flux (lm/m)	520	550	570	580	560
CRI	80+	80+	80+	80+	80+
Efficacy (lm/W)	58	60	63	64	62
Voltage (V DC)	48	48	48	48	48
Measured Power (W/m)	9.6	9.6	9.6	9.6	9.6

Model No.	NDF1617-48V-Single color					
CCT/Wavelength (K/nm)	2600K	3000K	4200K	5000K	5000K	6000K
Beam Angle (°)	110	110	110	110	110	110
Luminous Flux (lm/m)	500	520	540	570	590	560
CRI	90+	90+	90+	90+	90+	90+
Efficacy (lm/W)	56	58	59	63	66	62
Voltage (V DC)	48	48	48	48	48	48
Measured Power (W/m)	9.6	9.6	9.6	9.6	9.6	9.6

Model No.	NDF1617-48V-Single color				
CCT/Wavelength (K/nm)	Red	Green	Blue	Yellow	Orange
Beam Angle (°)	110	110	110	110	110
Luminous Flux (lm/m)	190	540	120	150	230
CRI	/	/+	/	/	/
Efficacy (lm/W)	21	61	13	17	26
Voltage (V DC)	48	48	48	48	48
Measured Power (W/m)	9.6	9.6	9.6	9.6	9.6

Other Parameters

Model No.	NDF1617-48V
LED QTY (pcs/m)	120
Product Size L*W*H (mm)	35000*16*17
Standard Run Length (mm)	35000
Min. Cuttable Length (mm)	100
Working Temperature	-20~+60°C
Storage Temperature	-20~+70°C

Note:

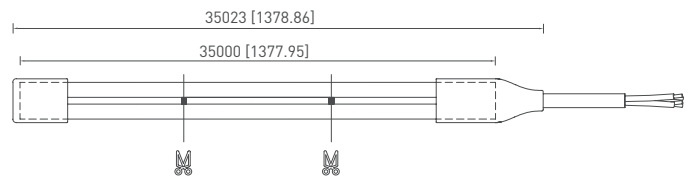
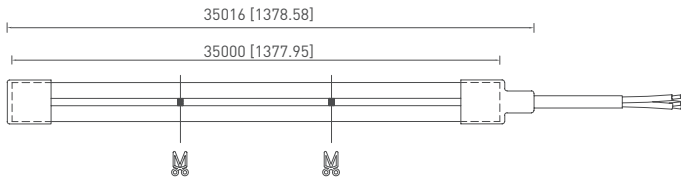
The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Profile Drawings

Unit: mm[inch]

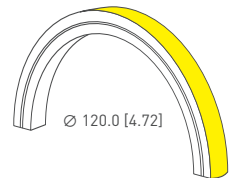
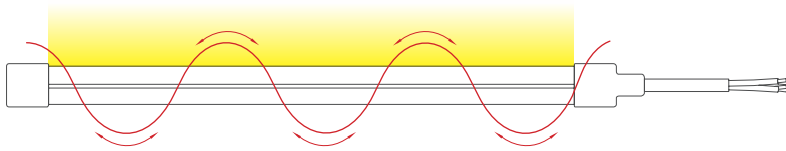
Glue Process (IP67)

Injection Moulded (IP68)



Bend direction

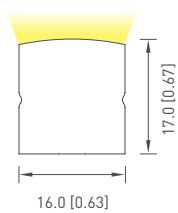
Bending Diameter



Sectional view

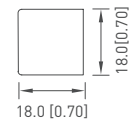
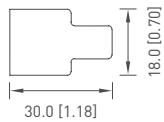
Front cap

Closing End-cap



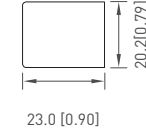
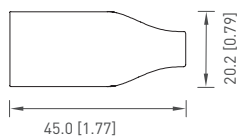
Glue Process (IP67)

Glue Process (IP67)



Injection Moulded (IP68)

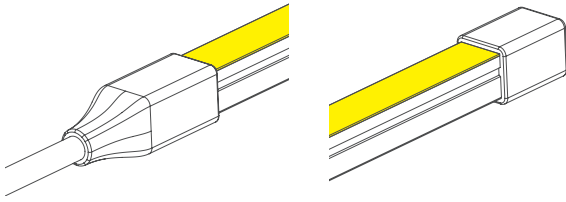
Injection Moulded (IP68)



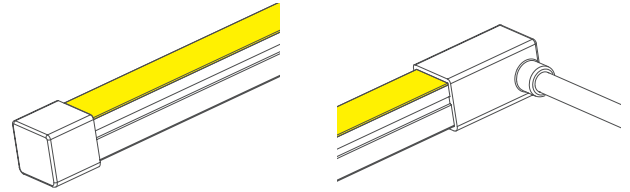
Remarks: "L" is the standard size of the light strip, can be customized according to the multiple of the minimum cutting unit length.

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 Risk are not covered by the warranty.

Product accessories

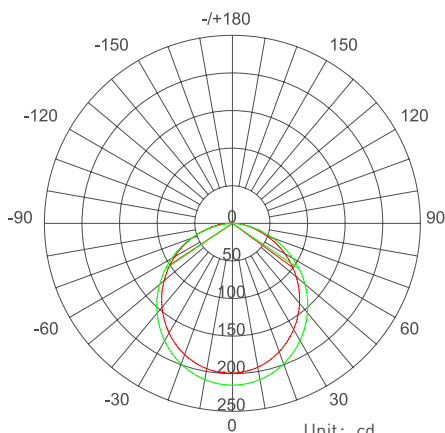
Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional
	NDF1617-48V-PCIS	30.0*18.0*18.0	(35): 2-4pcs	Free
	NDF1617-48V-ECS	18.0*19.0*18.0	(35): 2-4pcs	Free
	NDF1617-48V-PCBS	25.0*30.0*19.0	(35): 1-2pcs	Optional
	NDF1617-48V-AMC	35.0*21.2*19.0	(35): 105-107pcs	Optional
	NDF1617-48V-AC	1000*19.3*18.7	(35): 35m	Optional
	NDF1617-48V-ACS	500*17.2*17.8	(35): 35m	Optional
	--	----	(35): pending	Optional

Product accessories

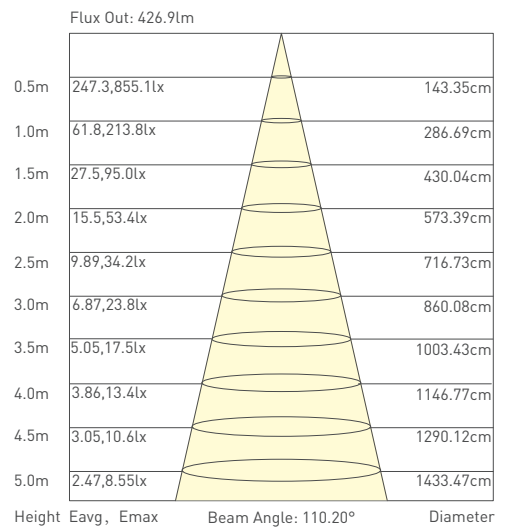
Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional
	--	----	(35): 1pc	Optional

Luminous Intensity Distribution Diagram

Average Illumination



AVERAGE BEAM ANGLE[50%]: 110.9°



Note: the above two figures are tested with the sample NDF1617-48V, for other data, please consult sales, rep.

Packaging information

Model No.	NDF1617-48V
Product Size L*W*H (mm)	35000*16*17
Carton Size (mm)	390*390*325
Meter/Reel	35
Reel/Carton	1
Net Weight (kg)	11.00 (1± 10%)
Gross Weight (kg)	12.85 (1± 10%)

Note: the volume weight is 9.89kg.

Recommended power supply upon working length

Model No.	NDF1617-48V	
Working Length (m)	1	35
Rated Current (A)	0.20	7.0
Rated Voltage (DC V)	48	48
Rated Power (W)	9.6	336
Recommended Power Supply (W)	12	400
Power Supply Mode	Single Feed	Single Feed

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