

LED NEON FLEX

NDR2018





Features

- Color options: Single color, RGB 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.



Optical & Electrical Parameters

Model No.	NDR2018-W			
CCT/Wavelength (K/nm)	<input checked="" type="checkbox"/> 2700K	<input type="checkbox"/> 4300K	<input type="checkbox"/> 5300K	<input type="checkbox"/> 6500K
Beam Angle (°)	156	156	156	156
Luminous Flux (lm/m)	1374	1469	1459	1408
CRI	80+	80+	80+	80+
Efficacy (lm/W)	80	92	87	86
Voltage (V DC)	24	24	24	24
Measured Power (W/m)	15.36±10%	15.36±10%	15.36±10%	15.36±10%

Model No.	NDR2018-RGB			
CCT/Wavelength (K/nm)	<input checked="" type="checkbox"/> Red	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Blue	<input checked="" type="checkbox"/> RGB
Beam Angle (°)	156	156	156	156
Luminous Flux (lm/m)	141	313	65	499
CRI	--	--	--	--
Efficacy (lm/W)	31	61	12	33
Voltage (V DC)	24	24	24	24
Measured Power (W/m)	5.12±10%	5.12±10%	5.12±10%	15.36±10%

Model No.	Pixel			
CCT/Wavelength (K/nm)	<input checked="" type="checkbox"/> Red	<input checked="" type="checkbox"/> Green	<input checked="" type="checkbox"/> Blue	<input checked="" type="checkbox"/> RGB
Beam Angle (°)	156	156	156	156
Luminous Flux (lm/m)	112	248	55	381
CRI	--	--	--	--
Efficacy (lm/W)	14	30	7	23
Voltage (V DC)	24	24	24	24
Measured Power (W/m)	5.18±10%	5.18±10%	5.12±10%	15.55±10%

Other Parameters

Model No.	NDR2018-W	NDR2018-RGB	Pixel
LED QTY (pcs/m)	96	96	72
Product Size L*W*H (mm)	5000*20*18	10000*20*18	10000*20*18
Standard Run Length (mm)	5000	10000	10000
Min. Cuttable Length (mm)	62.5	62.5	83.33
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%.

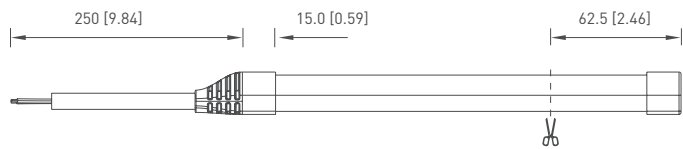
Recommended power supply upon working length

Model No.	NDR2018-W		NDR2018-RGB			Pixel		
	1	5	1	5	10	1	5	10
Working Length (m)	1	5	1	5	10	1	5	10
Rated Current (A)	0.64	3.2	0.64	3.2	6.4	0.65	3.24	6.5
Rated Voltage (DC V)	24	24	24	24	24	24	24	24
Rated Power (W)	15.36	76.8	15.36	76.8	153.6	15.55	77.5	15.55
Recommended Power Supply (W)	25	100	20	100	180	25	100	200
Power Supply Mode	Single Feed		Single Feed			Single Feed		

Profile Drawings

Unit:mm [inch]

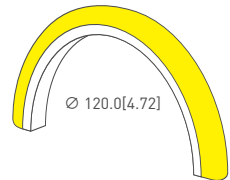
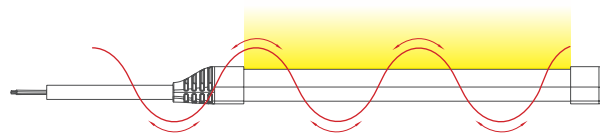
Glue Process (IP67)



Bend direction

Bending Diameter

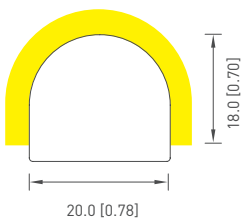
Top Bending



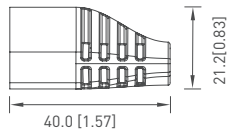
Sectional view

Front cap

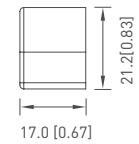
Closing End-cap



Glue Process (IP67)



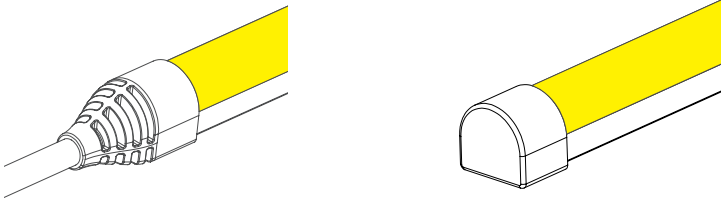
Glue Process (IP67)



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)



- 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.

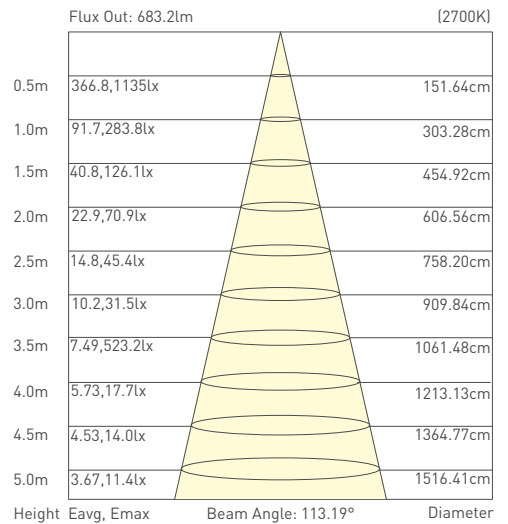
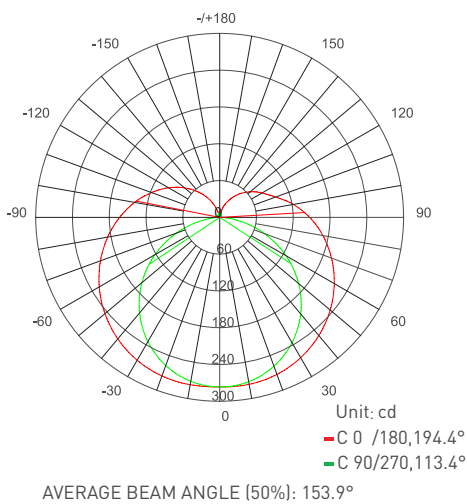
Product accessories

Item	Model No.	Dimensions (L*W*H)mm	Quantity (m)/pcs	Free/Optional
Front cap (Injection Moulded)	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

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

Packaging information

Model No.	NDR2018-W	NDR2018-RGB	Pixel
Product Size L*W*H (mm)	10000*20*18	10000*20*18	10000*20*18
Carton Size (mm)	390*390*325	390*390*325	380*380*325
Meter/Reel	10	10	10
Reel/Carton	4	4	2
Net Weight (kg)	12.60 (1± 10%)	12.60 (1± 10%)	6.2 (1± 10%)
Gross Weight (kg)	18.50 (1± 10%)	18.50 (1± 10%)	10.5 (1± 10%)

Note:the volume veight is 9.89kg.

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