

vivalyte



LED

NEON FLEX

VNL-F20C





Features

- Color options: Single color, tunable white, RGB, RGBW and pixel (with UCS5603A IC).
- 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)	
VNL-F20C-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		
					Blue	224	14.9		
					Yellow	332	22.1		
					Orange	129	8.6		
VNL-F20C-TW	24V DC	148°	Yes	>80	3000K	640	88.8	7.2	
					6300K	668	92.8	7.2	
					W+N	1313	91.1	14.4	
VNL-F20C-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	
					RGBW	876	47.3	17.2	
VNL-F20C-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	
					Green	249	30.6	5.1	
Blue	55	6.8	5.1						
VNL-F20C-PIXEL (RGB)	24V DC	155°	Yes	/	RGB	382	23.3	15.5	
					6500K	626	51.3	12.0	
					Red	116	14.6	8.0	
					Green	410	35.6	11.0	
					Blue	105	8.5	12.0	
VNL-F20C-PIXEL (RGBW)	24V DC	154°	Yes	>90	RGBW	607	24.0	19.2	
					3000K	855	57.0	15.3	
					4200K	950	61.0	15.3	
					Red	116	14.6	8.0	
					Green	410	35.6	11.0	
VNL-F20C-PIXEL (W)	24V DC	150°	Yes	>80	3000K	855	57.0	15.3	
					4200K	950	61.0	15.3	

Other Parameters

Model No.	LED QTY (pcs/m)	Min. Cuttable Length	Working Temperature	Storage Temperature
VNL-F20C-Single color	96	62.5 mm	-20~+60°C	-20~+70°C
VNL-F20C-TW	240	50.0 mm		
VNL-F20C-RGB	96	62.5 mm		
VNL-F20C-RGBW	72	83.33 mm		
VNL-F20C-PIXEL (RGB)	72	83.3 mm		
VNL-F20C-PIXEL (RGBW)	60	100.0 mm		
VNL-F20C-PIXEL (W)	72	83.3 mm		

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%.

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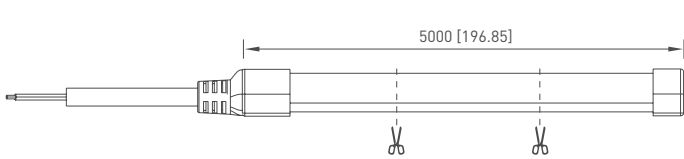
Mail:info@vivalyte.com Web:www.vivalyte.com

Add.:Kouterstraat 6,Wevelgem,B-8560,Belgium VAT:BE500611159

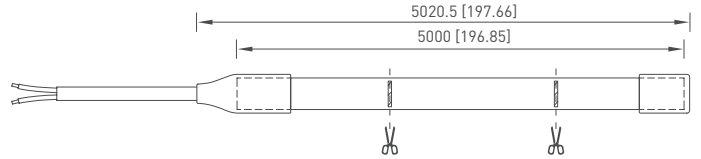
Profile Drawings

Unit:mm [inch]

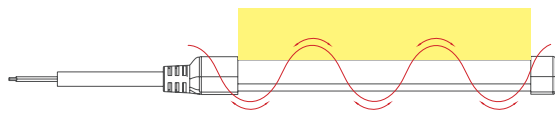
Glue Process (IP67)



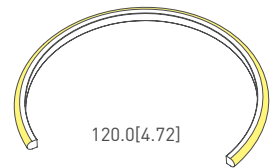
Molding pressed (IP68)



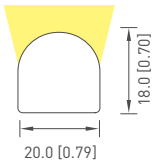
Bend direction



Bending Diameter

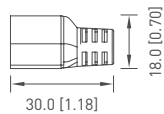


Sectional view

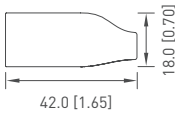


Front cap

Glue Process (IP67)

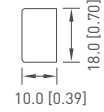


Molding pressed (IP67)

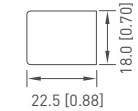


Closing End-cap

Glue Process (IP67)



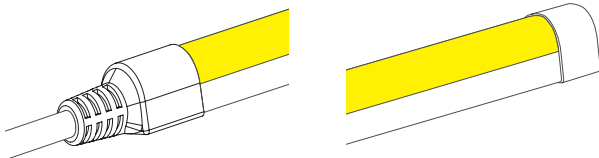
Molding pressed (IP67)



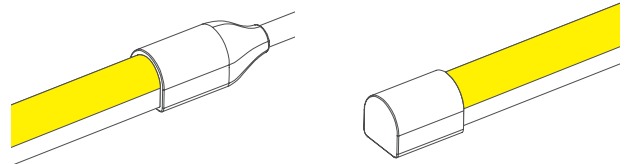
Remarks: "L" is the standard size of the light strip, can be customized according to the multiple of the minimum cutting unit length.

IP Process Technology

Glue Process (IP67)



Molding pressed (IP68)


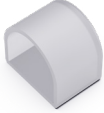

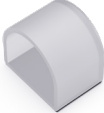











- Glue process the end cap after cutting, warranty will be provided upon IP65 rated.
- No warranty will be provided if the injection moulded(IP68) end cap destroyed or reprocessed.
- Corresponding molding equipment and mold needed for self-processing injection moulded end cap, contact the sales for more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

Packaging information

Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
VNL-F20C-Single color	5000*20*18	390*390*325	5	10	/(1±10%)	18.65(1±10%)
VNL-F20C-TW	10000*20*18	390*390*325	30	3	/(1±10%)	10.85 (1±10%)
VNL-F20C-RGBW	5000*20*18	390*390*325	5	10	/(1±10%)	18.55 (1±10%)
VNL-F20C-PIXEL (RGB)	10000*20*18	380*380*325	10	2	/(1±10%)	10.50 (1±10%)
VNL-F20C-PIXEL (RGBW)	5000*20*18	390*390*325	5	10	/(1±10%)	17.75 (1±10%)
VNL-F20C-PIXEL (W)	5000*20*18	390*390*325	5	10	/(1±10%)	17.75 (1±10%)

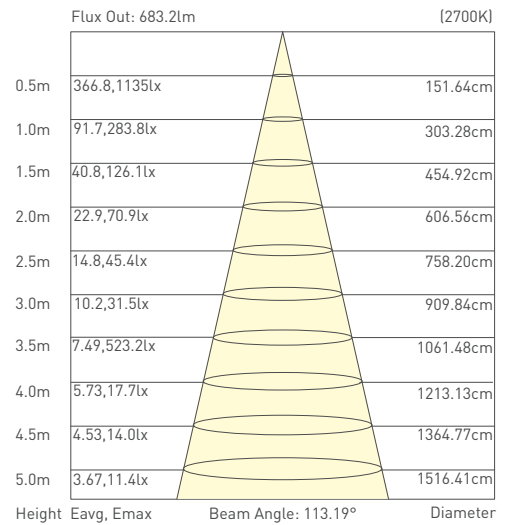
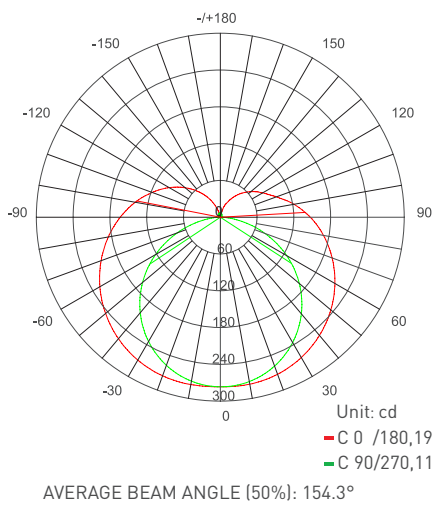
Product accessories

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)	VNL-F20C-ECIM	22.5*23.2*21.2	(5/10):2/4	Optional
 Front cap	VNL-F20C-PCIS	40.0*23.0*21.0	(5/10):2/4	Free
 Closing End-cap	VNL-F20C-ECS	17.0*23.0*21.0	(5/10):2/4	Free
 Front cap (Left)	VNL-F20C-PCLS	42.0*46.0*21.0	(5/10):2/4	Optional
 Front cap (Right)	VNL-F20C-PCRS	42.0*46.0*21.0	(5/10):2/4	Optional
 Front cap (Bottom)	VNL-F20C-PCBS	31.50*22.89*44.50	(5/10):2/4	Optional
 Clip	VNL-F20C-Clip	20*25*10	(5/10):20/40	Optional

Item	Model No.	Dimensions (L*W*H)mm	Quantity (ml)/pcs	Free/Optional	
	Aluminum track	VNL-F20C-AMC	25*24.1*10.8	--	Optional
	Aluminum Channel	VNL-F20C-AC	1000*24.47*10	--	Optional
	Plastic Channel	VNL-F20C-pc	1220*25.5*10	--	Optional
	screws	PA3	PA3*10mm	NDR2018-Clip: 1pc/piece NDR2018-PC: 3pcs/piece	Optional
	Silicone Glue	WR-7516	45g/pc	[5/10]:1	Optional

Luminous Intensity Distribution Diagram

Average Illumination



Note: the above two figures are tested with the sample VNL-F20C-W, for other datas, please consult sales rep.

Recommended power supply upon working length

Model No.	VNL-F20C-Single color		VNL-F20C-TW		VNL-F20C-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	200
Power Supply Mode	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed

Model No.	VNL-F20C-RGB-R		VNL-F20C-RGB-G		VNL-F20C-RGB-B	
Working Length(m)	1	30	1	30	1	30
Measured Current (A)	0.19	5.13	0.21	5.67	0.23	6.21
Rated Voltage (DC V)	24	24	24	24	24	24
Measured Power(W)	4.56	123.12	5.04	136.08	5.52	149.04
Recommended Power Supply(W)	7.2	160	7.2	180	7.2	200
Power Supply Mode	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed

Model No.	VNL-F20C-RGBW		VNL-F20C-RGBW-R		VNL-F20C-RGBW-G	
Working Length(m)	1	5	1	20	1	20
Measured Current (A)	0.72	3.24	0.18	3.24	0.2	3.6
Rated Voltage (DC V)	24	24	24	24	24	24
Measured Power(W)	17.28	77.76	4.32	77.76	4.8	86.4
Recommended Power Supply(W)	24	100	7.2	100	7.2	120
Power Supply Mode	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed

Model No.	VNL-F20C-RGBW-B		VNL-F20C-RGBW-W	
Working Length(m)	1	20	1	20
Measured Current (A)	0.2	3.6	0.22	3.96
Rated Voltage (DC V)	24	24	24	24
Measured Power(W)	4.8	86.4	5.28	95.04
Recommended Power Supply(W)	7.2	120	7.2	120
Power Supply Mode	Single Feed	Single Feed	Single Feed	Single Feed

Model No.	VNL-F20C-PIXEL (RGB)			VNL-F20C-PIXEL (RGBW)	
Working Length(m)	1	5	10	1	5
Measured Current (A)	0.65	2.92	5.85	1.05	4.98
Rated Voltage (DC V)	24	24	24	24	24
Measured Power(W)	15.55	70.2	140.4	25.2	119.7
Recommended Power Supply(W)	25	100	180	48	180
Power Supply Mode	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed