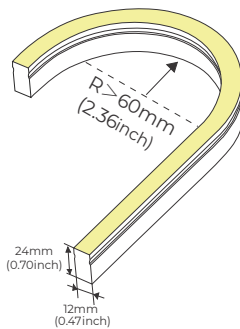
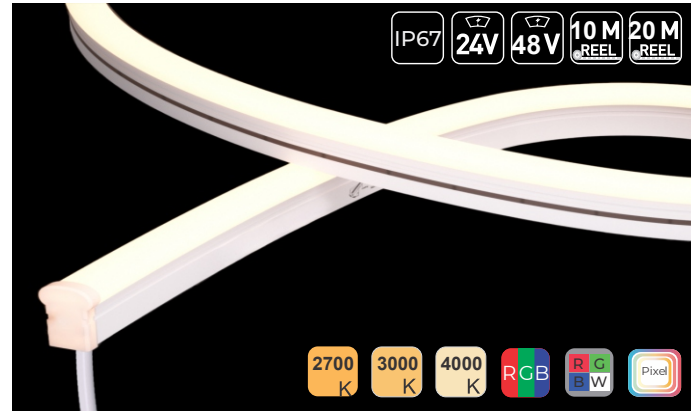
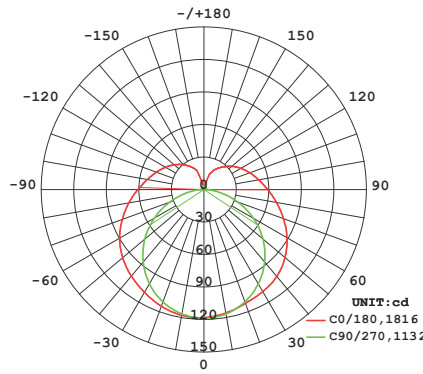


Product Description

- Light source: Adopting dedicated and outdoor-specific LED, stronger reliability for outdoor application; Finished product ANSI SDCM≤5;
- Structure: New anti-tension structure, Integrated anti-tension silicone extrusion process, against internal stress and external tension; Double-layer circuit conductive, double power supply guarantee, broken boards without power cut;
- DMX Chip model and pixel count: white light/ RGB/RGBW: UCS512H4LB, 12 Pixels/m;
- Product applications: outdoor illumination, architectural facade lighting; IP67
- Working/storage temperature(White/monochromatic light): Ta: -40 to 60°C / 0 to 60°C
- Symphony working/storage temperature(DMX/RGB/RGBW): Ta: -40 to 50°C/ 0 to 60°C
- White/R/G/B with 7 years warranty or working life = 84000H, whichever comes first; RGB /RGBW / RGBM / RGBWM/ White (DMX) with warranty 5 years or working life=60000H, whichever comes first.



Note: White/RGB/RGBW light bending radius $R \geq 60\text{mm}$ (2.36inch), DMX bending radius $R \geq 80\text{mm}$ (3.15inch)



Note: The above data is based on 24V monochrome 4000K color temperature. If you need other models of IES files, please download the corresponding models from the IES database.

Height	Beam	Angle: 147.40deg	Diameter
1m	10.09, 118.71x		683.95cm
2m	2.523, 29.661x		1367.89cm
3m	1.121, 13.181x		2051.84cm
4m	0.6307, 7.4161x		2735.79cm
5m	0.4036, 4.7461x		3419.73cm
6m	0.2803, 3.2961x		4103.68cm
7m	0.2059, 2.4221x		4787.63cm
8m	0.1577, 1.8541x		5471.57cm
9m	0.1246, 1.4651x		6155.52cm
10m	0.1009, 1.1871x		6839.47cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance

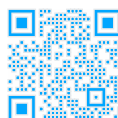
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Effective average illuminance

ORDERING GUIDE EXAMPLE: JAFS1224-24V-27K-90-16.4-EP-T-LC6FT

Product Series	CCT	CRI	Max Strip Length per Power Input	IP Options	Entry Cable Positions	Lead Cable Length
JAFS1224-24V	27K 2700K 30K 3000K 40K 4000K Max length 65.6FT G/B Green / Blue Max length 65.6FT RGB Red / Green / Blue Max length 65.6FT RGB+27K RGB+2700K RGB+30K RGB+3000K RGB+40K RGB+4000K Max length 65.6FT	90 >90 CRI	16.4 16.4FT 32.8 32.8FT 49.2 49.2FT 65.6 65.6FT XXFT Replace XX with desired length	ENP IP67 molded end cap EP IP67 all-wrapped end cap	T One-end top DT Dual-end top B One-end bottom DB Dual-end bottom SR One-end side right DSR Dual-end side right	LC6FT Lead cable 6 feet standard LCX*FT Customize the lead cable length
JAFS1224-48V	27K 2700K 30K 3000K 40K 4000K Max length 65.6FT	90 >90 CRI	16.4 16.4FT 32.8 32.8FT 65.6 65.6FT XXFT Replace XX with desired length			

*Replace X with desired value



Photometry and Specifications

Model	CCT/colors	Color range	CRI	Input voltage (V)	Rated Current (M)	Rated Power (w/m)	Maximum Power (w/m)	Lumens (LM/m)	Standard Length	Remark
JAFS1224-24V	2700K	2600-2830K	>90	24	0.4 (0.12A/ft)	10 (3.05W/ft)	11 (3.35W/ft)	570 (174LM/ft)	10000mm (32.81ft)	16LED/50mm
	3000K	2920-3170K						622 (190LM/ft)		
	4000K	3770-4220K						690 (210LM/ft)		
JAFS1224L-24V	2700K	2600-2830K			0.2 (0.06A/ft)	5 (1.53W/ft)	5.5 (1.68W/ft)	305 (93LM/ft)	15000mm (49.21ft)	16LED/50mm
	3000K	2920-3170K						300 (91LM/ft)		
	4000K	3770-4220K						340 (104LM/ft)		
JAFS1224-24V	G/B	/	/		0.4 (0.12A/ft)	10 (3.05W/ft)	11 (3.35W/ft)	/	10000mm (32.81ft)	16LED/50mm
JAFS1224-24V	RGB				0.5 (0.15A/ft)	12 (3.66W/ft)	13.2 (4.02W/ft)	/	5000mm (16.4ft)	6*3LED/50mm
JAFS1224-24V	RGB+2700K	RGB+(2550-2800K)	/		0.5 (0.15A/ft)	12 (3.66W/ft)	13.2 (4.02W/ft)	118 (36LM/ft)	5000mm (16.4ft)	7*4LED/83.3mm
	RGB+3000K	RGB+(2800-3200K)						146 (45LM/ft)		
	RGB+4000K	RGB+(3900-4350K)						143 (44LM/ft)		
JAFS1224-24V	2700K	2550-2800K	>90		0.6 (0.18A/ft)	13.5 (4.12W/ft)	14.8 (4.51W/ft)	425 (130LM/ft)	5000mm (16.4ft)	7*3LED/83.3mm DMX-IC: UCS512H4LB 12 Pixels/m
	3000K	2800-3200K						542 (165LM/ft)		
	4000K	3900-4350K						541 (165LM/ft)		
JAFS1224-24V	RGB	/	/		0.6 (0.18A/ft)	13.5 (4.12W/ft)	14.8 (4.51W/ft)	/	5000mm (16.4ft)	7*3LED/83.3mm DMX-IC: UCS512H4LB 12 Pixels/m
JAFS1224-24V	RGB+2700K	RGB+(2550-2800K)	/		0.7 (0.21A/ft)	16.5 (5.03W/ft)	18.1 (5.52W/ft)	127 (39LM/ft)	5000mm (16.4ft)	7*4LED/83.3mm DMX-IC: UCS512H4LB 12 Pixels/m
	RGB+3000K	RGB+(2900-3250K)						178 (54LM/ft)		
	RGB+4000K	RGB+(3900-4350K)						175 (53LM/ft)		
JAFS1224-48V	2700K	2600-2830K	>90	48	0.2 (0.06A/ft)	10 (3.05W/ft)	11 (3.35W/ft)	545 (166LM/ft)	20000mm (65.62ft)	32LED/100mm
	3000K	2920-3170K						579 (177LM/ft)		
	4000K	3770-4220K						634 (193LM/ft)		

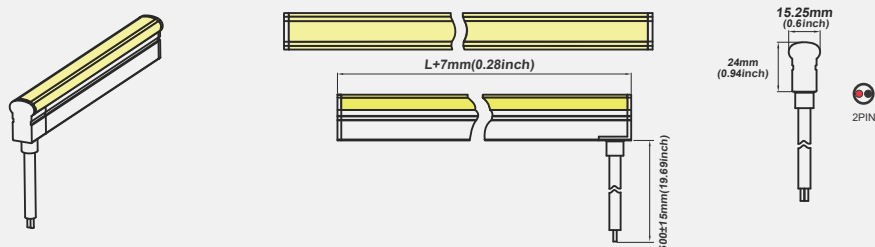
Note:

- The above parameters are tested based on 1m/3.28ft standard products;
- The luminous flux is allowed to have an error range of -15%~+∞;
- The above parameters are typical values;

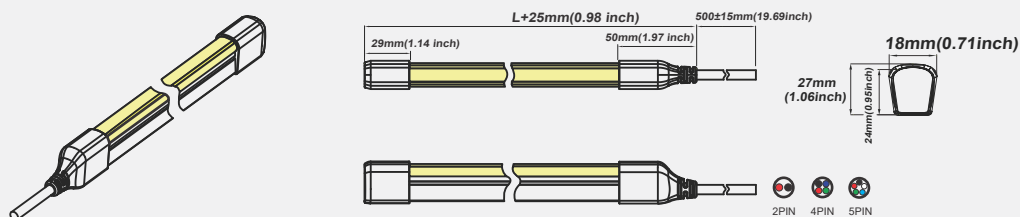


IP Process Information

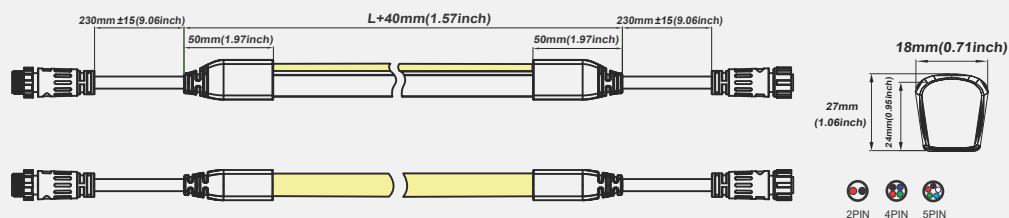
- IP67 No dark cap (ENP) - bottom outlet (white light)



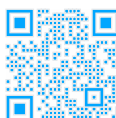
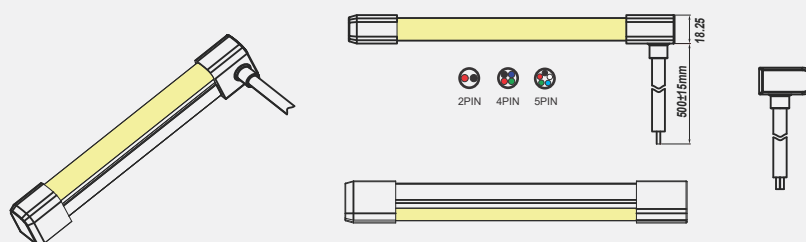
- IP67 Full encapsulated cap (EP) - top outlet



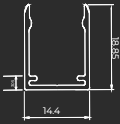
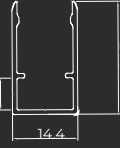
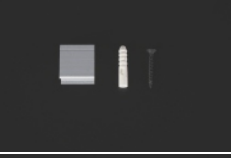
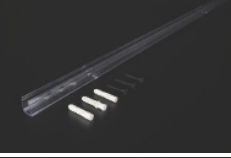
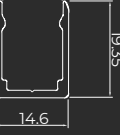
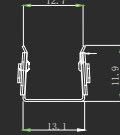
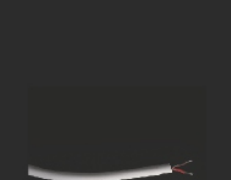
- IP67 Full cap (EP) - top outlet

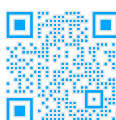


- IP67 Full cap (EP)- side outlet

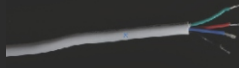
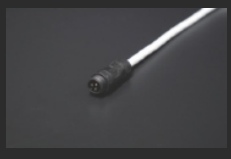


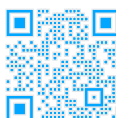
Accessories Information

Name	Describe	Accessories Picture	Section size	Order model	quantity/ case (PCS)	net weight (kg)	Per box net weight (kg)	Gross weight (kg)	Gross weight (mm)	Remark
Aluminum carrier	Flat mounting aluminum channel			JAS-NMS1217A-1000	60	0.1755	10.53	11.53	1180*125*115	Size : L1000*W14.4*H18.85mm With screws
Aluminum clip	Flat mounting of clip			JAS-NMS1217A-25	300	0.0044	2.01	2.16	250*250*150	Size : L25*W14.4*H18.85mm With screws
Aluminum carrier	Aluminum groove reserved outlet position			JAS-NMS1217A1-1000	48	0.1755	8.424	9.5	1180*125*115	Size : L1000*W14.4*H24.85mm With screws
Aluminum clip	Clip of reserved outlet position			JAS-NMS1217A1-25	300	0.0044	2.01	2.16	250*250*150	Size : L25*W14.4*H24.85mm With screws
PC carrier	Flat mounting PC channel			JAS-NMS1217P-1000	60	0.08	4.8	5.8	1180*125*115	Size : L1000*W14.6*H19.35mm With screws
PC carrier	Flat mounting of PC clip			JAS-NMS1217P-25	350	0.004	1.505	1.655	250*250*150	Size : L25*W14.6*H19.35mm With screws
Moldable carrier	Moldable channel			JAS-NMS1217M1-500	100	0.0377	3.77	6.49	500*290*290	Size : L500*W13.1*H11.9mm With screws Cannot be used upside down
Glue	588G acidic glue		/	JAS-PG-0002	150	0.014	2.1	2.4	250*250*150	10ml/pcs
Wire	1/2P PVC wire (0.5M)		/	JAS-WS-0001	150	0.0044	2.31	2.61	250*250*150	Suitable for single color strip
Wire	2P PVC wire (2M)		/	JAS-WS-0002	125	0.0616	7.7	8	250*250*150	Suitable for single color strip

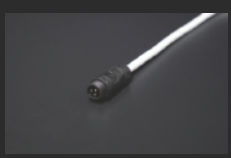
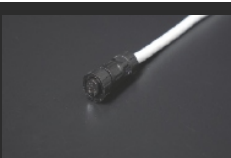
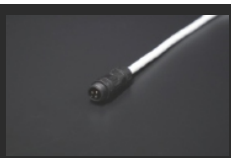


Accessories Information

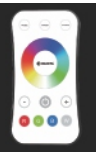
Name	Describe	Accessories Picture	Section size	Order model	quantity/ case (PCS)	net weight (kg)	Per box net weight (kg)	Gross weight (kg)	Gross weight (mm)	Remark
Wire	4P PVC wire (0.5M)		/	JAS-WS-0003	150	0.0194	2.91	3.21	250*250*150	Suitable for RGB strip
Wire	4P PVC wire (2M)			JAS-WS-0004	125	0.0776	9.7	10	250*250*150	
Wire	5P PVC wire (0.5M)		/	JAS-WS-0013	150	0.0195	2.925	3.364	250*250*150	Suitable for RGBW strip
Wire	5P PVC wire (2M)			JAS-WS-0014	125	0.0755	9.4375	10.86	250*250*150	
Connector	2PIN IP68 Waterproof connector		/	JAS-FC-0001	512	0.016	8.192	9.5	365*365*190	Suitable for single color strip
Connector	4PIN IP68 Waterproof connector			JAS-FC-0003	288	0.03	8.64	9.6	365*365*190	Suitable for RGB strip
Wire	2P T-Connection Wire		/	JAS-FC-0027	20	0.065	1.31	1.6	250*250*150	Suitable for monochromatic led strip Wire length 150mm, IP67
Wire	2P male connector wire		/	JAS-FC-0009(0.25M) JAS-FC-0010(0.5M) JAS-FC-0011(2M)	200 200 50	0.0193 0.031 0.1012	3.86 6.2 5.06	4.16 6.5 5.36	250*250*150	suitable for monochromatic led strip Wire lengths are optional: 0.25M/0.5M/2M
Wire	2P female connector wire			JAS-FC-0012(0.25M) JAS-FC-0013(0.5M) JAS-FC-0014(2M)	200 200 50	0.0212 0.0329 0.1031	4.24 6.58 5.16	4.54 6.88 5.48	250*250*150	suitable for monochromatic led strip Wire lengths are optional: 0.25M/0.5M/2M
Wire	4P T-Connection Wire		/	JAS-FC-0028	20	0.068	1.35	1.65	250*250*150	suitable for RGB led strip Wire length 150mm



Accessories Information

Name	Describe	Accessories Picture	Section size	Order model	quantity/ case (PCS)	net weight (kg)	Per box net weight (kg)	Gross weight (kg)	Gross weight (mm)	Remark
Wire	4P male connector wire		/	JAS-FC-0015(0.25M) JAS-FC-0016(0.5M) JAS-FC-0017(2M)	200 200 50	0.0196 0.0316 0.1036	3.92 6.32 5.18	4.22 6.62 5.48	250*250*150	suitable for RGB led strip Wire lengths are optional: 0.25M/0.5M/2M
Wire	4P female connector wire		/	JAS-FC-0018 (0.25M) JAS-FC-0019 (0.5M) JAS-FC-0020 (2M)	200 200 50	0.0215 0.0354 0.1188	4.3 7.08 5.94	4.6 7.38 6.24	250*250*150	suitable for RGB led strip Wire lengths are optional: 0.25M/0.5M/2M
Wire	5P T-Connection Wire		/	JAS-FC-0029	20	0.069	1.39	1.69	250*250*150	suitable for RGBW led strip Wire length 150mm
Wire	5P male connector wire		/	JAS-FC-0021(0.25M) JAS-FC-0022(0.5M) JAS-FC-0023(2M)	200 200 50	0.0196 0.0316 0.1036	3.92 6.32 5.18	4.22 6.62 5.48	250*250*150	suitable for RGBW/DMX led strip Wire lengths are optional: 0.25M/0.5M/2M
Wire	5P female connector wire		/	JAS-FC-0024(0.25M) JAS-FC-0025(0.5M) JAS-FC-0026(2M)	200 200 50	0.0215 0.0354 0.1188	4.3 7.08 5.94	4.6 7.38 6.24	250*250*150	Suitable for RGBW/DMX led strip Wire lengths are optional: 0.25M/0.5M/2M
Wire	5P T-Connection Wire		/	JAS-FC-0030	20	0.0698	1.396	1.696	250*250*150	Suitable for DMX led strip Wire length 150mm

Product System Control Solutions

Product Image	Product name	Product number	Product specifications	Applicable Products
	Monochrome remote	JR6-1	output signal: RF Working voltage: 3VDC(CR2032) Remote control distance: 30m Working temperature:Ta:0-30 °C ~ 0+55 °C	Monochrome light strip (Use with JCR1-GBA)
	Monochrome light controller	JCR1-GBA	Input voltage: DC12-48V Output current: 15A@12V/24V,10A@36V/48V Output Power: Max 180W@12V/Max 360W @24V/Max 360W@36V/Max 480W@48V Working temperature: -30°C ~ +55°C	Monochrome light strip (Use with JR6-1)
	RGB/RGBW remote control	JR8-1	Output signal:RF Working voltage: 3VDC(CR2032) Remote control distance: 30m Working temperature:Ta:0-30 °C ~ 0+55 °C	RGB/RGBW light strip (Use with JCR3-GBA/ JCR4-GBA)



Product System Control Solutions

Product Image	Product name	Product number	Product specifications	Applicable Products
	RGB controller	JCR3-GBA	Input voltage: DC12-48V Output current: 18A Output Power: Max 216W@12V/Max 432W@24V/Max 648W@36V/Max 864W@48V Working temperature: -30°C — +55°C	RGB light strip (Use with JR8-1)
	RGBW controller	JCR4-GBA	Input voltage: DC12-48V Output current: 20A Output Power: Max 240W@12V/Max 480W@24V/Max 720W@36V/Max 960W@48V Working temperature: -30°C — +55°C	RGBW light strip (Use with JR8-1)
	Symphony Controller	JK-8000C	Power supply: DC 5V-24V input Power consumption: 5W Working temperature: Ta:0-20 °C ~ 0+85 °C	DMX/SPI magic lights with universal

Precautions

- Please use an isolated power supply to drive the LED light bar, and the ripple of the constant voltage source is less than 5%.
- Do not use resistance-capacitance step-down, non-isolated power supplies to drive the LED light bar.
- In actual applications, the power supply should reserve 20% of the margin (it is recommended to use only 80% of the power) to ensure sufficient voltage drive.
- Please operate carefully, do not touch the AC power part when the power is on to prevent electric shock.
- When installing the product, avoid the power supply open and closed, and do not connect wrongly.
- The voltage of the power supply and the product are the same, so as to avoid damage to the product.
- During the installation process, please avoid bending, twisting, folding, and similar improper handling of the product, otherwise it may cause irreparable damage to the product.
- If it is not due to the actual bending radius of the light strip, please do not bend it in an arc with a radius of less than 6mm. A too-small bending radius will damage the product itself.
- If the actual application length exceeds the specified single length, it will cause the lamp belt to overload and damage itself, which is not within the scope of warranty.
- In order to prevent your eyes from being hurt, try to avoid staring at the light-emitting surface of the light bar for a long time.
- The product is a semi-finished product and cannot be used directly as an outdoor product without waterproof treatment.
- It is strictly forbidden to use in humid, close to water, or other humid places. Products (including but not limited to glass glue, etc.) must be sealed and waterproofed.
- After the product is installed and connected to the power supply, it must be tested and lighted before it can be installed. The final color of the product shall be subject to the actual product in the confirmation bar.
- During the cutting process, the LED light bar must be cut along the specified marked line, and waterproof treatment needs to be done after shearing and cutting.
- Please use professional cutting tools (DC cutting tools are recommended).
- After the light bar is fixed with double-sided tape (3M tape), please use payoff rack during construction to avoid damage to the product caused by pulling.
- Attention: there are 2 soldering points per meter (5m/roll), at two meter main mass production.
- Due to the characteristics of the silicone material itself, it is a normal situation for the color of the colloid to change slightly after the neon product is used for a long time, and this situation will not affect its normal use.
- It is strictly forbidden to use 502/705 and other adhesives that are prone to chemical reactions with silica gel during construction and installation. It is recommended to use silicone material for bonding.
- During the installation and use process of indoor lamps, the ends must be sealed to avoid exposure to organic environments such as plasticizers, ketones, and aromatic solvents.
- The power supply should be installed and fixed in a conventional position, and the ambient air should be in line with environmental conditions and avoid the working environment being closed, as it may cause abnormal damage to the product.
- The use environment temperature is -20°C~60°C, and the storage temperature is -40°C~80°C.
- When using dimmer and dimmable power supplies like Triac, etc., conduct compatibility tests on the product, dimmers, and power supplies to ensure full compatibility. If any issues arise, contact Jademar Lighting for technical support.



No Stretching



No Distortion



No Stepping

