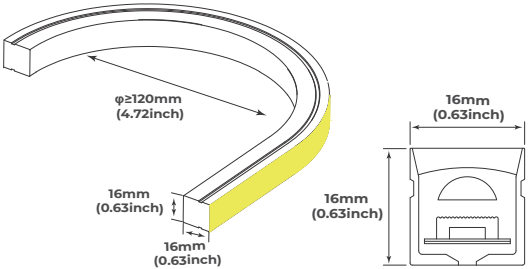
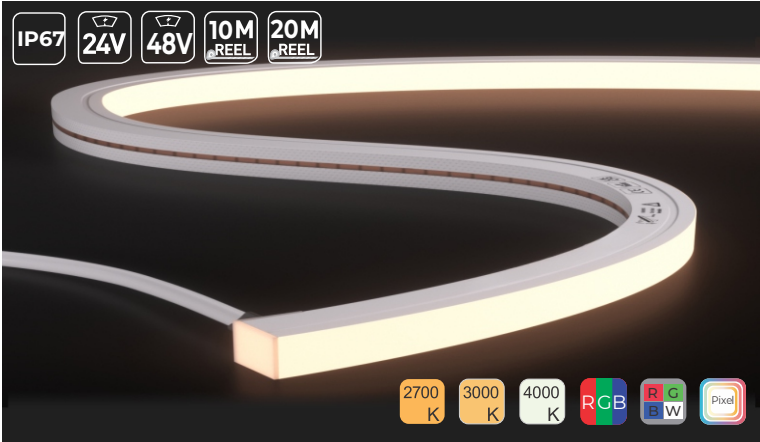
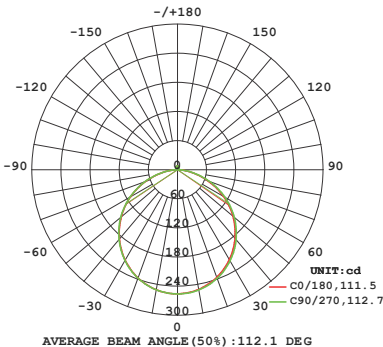


Product Description

- 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 working life = 84000H,whichever comes first ;RGB /RGBW / RGBM / RGBWM/ White (DMX) working life=60000H,whichever comes first.

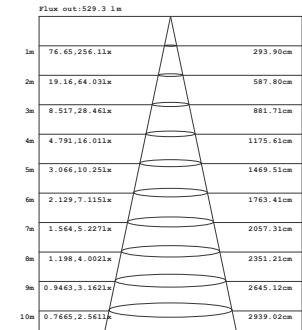


Note: DMX-R≈80mm(3.15inch)



Light distribution

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.



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

Effective average illuminance

ORDERING GUIDE EXAMPLE: JAFT1616-24V-27K-90-16.4-ENP-T-LC6FT

							ENP							
Product Series	CCT		CRI		Max Strip Length per Power Input		IP Options		Entry Cable Options		Lead Cable Length			
JAFT1616-24V	27K	2700K	90	>90 CRI	16.4	16.4FT	ENP	IP67 molded end cap	T	One-end top	LC6FT	Lead cable 6 feet standard		
	30K	3000K			32.8	32.8FT			DT	Dual-end top			LCX*FT	Customize the lead cable length
	40K	4000K			49.2	49.2FT			B	One-end bottom				
	65K	6500K			65.6	65.6FT			DB	Dual-end bottom				
	Max length 65.6FT		XXFT	Replace XX with desired length	SL	One-end side left								
	R	Red			DSL	Dual-end side left								
	G	Green			SR	One-end side right								
	B	Blue			DSR	Dual-end side right								
	Max length 65.6FT													
	RGB+27K	RGB+(2550-2800K)	90	>90 CRI										
RGB+30K	RGB+(2800-3200K)													
RGB+40K	RGB+(3900-4350K)													
Max length 65.6FT														
DMX-RGBW+27K	RGB+(2550-2800K)													
DMX-RGBW+30K	RGB+(2900-3250K)													
DMX-RGBW+40K	RGB+(3900-4350K)													
Max length 65.6FT														
JAFT1616-48V	27K	2700K	90	>90 CRI	16.4	16.4FT								
	30K	3000K			32.8	32.8FT								
	40K	4000K			65.6	65.6FT								
	Max length 65.6FT				XXFT									

*Replace X with desired value



Photometry and Specifications

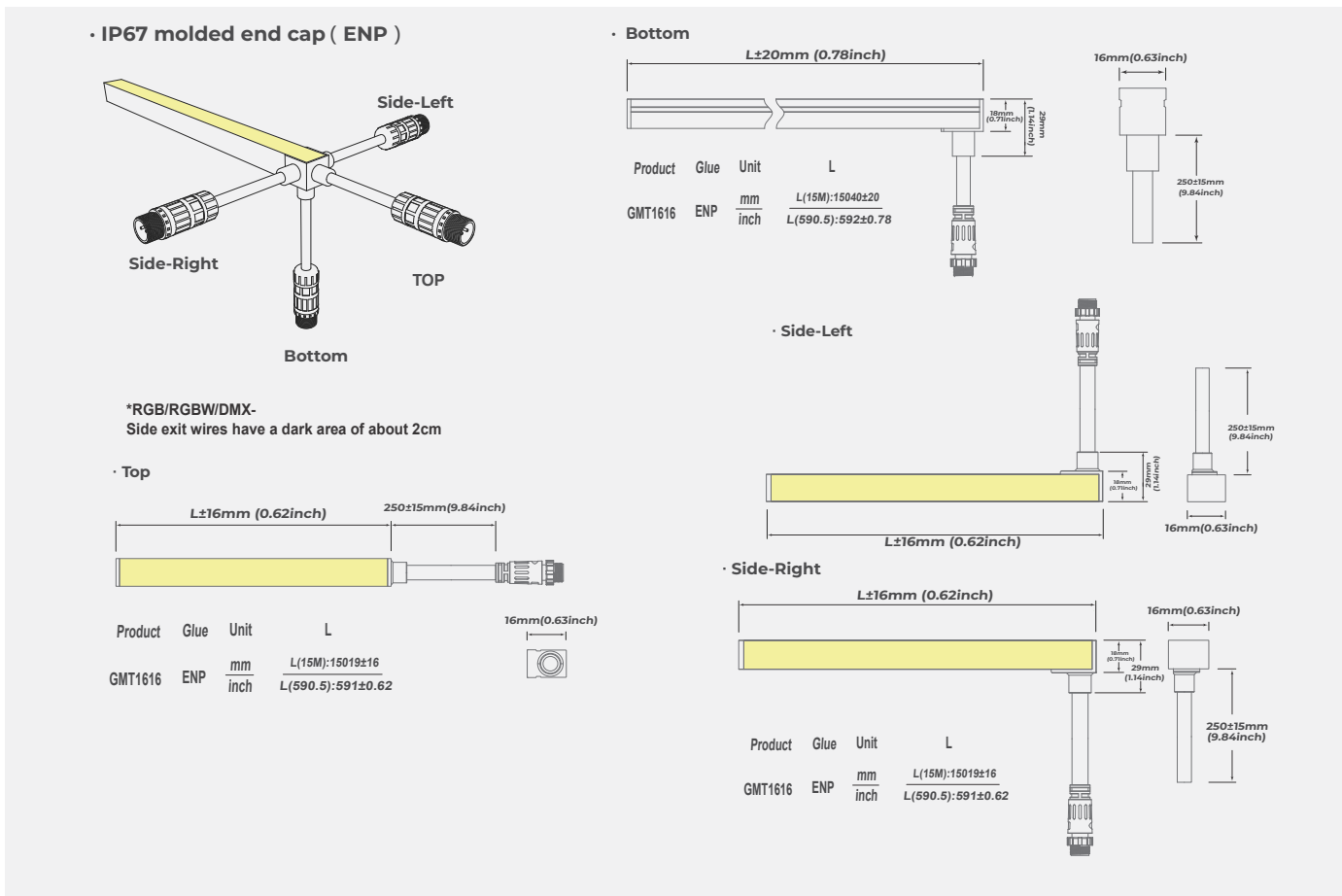
Model	CCT/colors	Color range	CRI	Input voltage (V)	Rated Current (M)	Rated Power (w/m)	Maximum Power (w/m)	Lumens (LM/m)	Standard Length	Remark
JAFT1616-24V	2700 K	2600-2830K	>90	24V	0.42 (0.13A/ft)	10 (3.05W/ft)	11 (3.35W/ft)	613(187/ft)	10000mm (32.8ft)	16LED / 50mm
	3000 K	2920-3170K						653(199/ft)		
	4000 K	3770-4220K						743(227/ft)		
	6500 K	6000-7000K						650(198/ft)		
JAFT1616-48V	2700 K	2600-2830K	>90	48V	0.21 (0.06A/ft)	10 (3.05W/ft)	11 (3.35W/ft)	538(164/ft)	20000mm (65.6ft)	32LED / 100mm
	3000 K	2920-3170K						578(176/ft)		
	4000 K	3770-4220K						635(194/ft)		
JAFT1616-24V	RGB R 620-625nm G 515-520nm B 455-460nm	/	/	24V	0.5 (0.15A/ft)	12 (3.65W/ft)	13.2 (4.02W/ft)	/	5000mm (16.4ft)	6LED / 50mm
JAFT1616-24V	W~2700K	RGB+(2550-2800K)	/	24V	0.5 (0.15A/ft)	12 (3.65W/ft)	13.2 (4.02W/ft)	125(38/ft)	5000mm (16.4ft)	7LED / 83.3mm
	W~3000K	RGB+(2800-3200K)						145(44/ft)		
	W~4000K	RGB+(3900-4350K)						145(44/ft)		
JAFT1616-24V	RGB R 620-625nm G 515-520nm B 455-460nm	/	/	24V	0.6 (0.18/ft)	13.5 (4.12W/ft)	14.8 (4.51W/ft)	/	5000mm (16.4ft)	7LED/83.3mm DMX-IC:(UCS512H4LB) 12Pixels/m
JAFT1616-24V	W~2700K	RGB+(2550-2800K)	/	24V	0.69 (0.21A/ft)	16.5 (5.03W/ft)	18.1 (5.52W/ft)	145(44/ft)	5000mm (16.4ft)	7LED/83.3mm DMX-IC:(UCS512H4LB) 12Pixels/m
	W~3000K	RGB+(2800-3250K)						185(56/ft)		
	W~4000K	RGB+(3900-4350K)						180(55/ft)		
JAFT1616-24V	2700 K	2500-2800K	>90	24V	0.56 (0.17A/ft)	13.5 (4.12W/ft)	14.8 (4.51W/ft)	451(138/ft)	5000mm (16.4ft)	7LED/83.3mm DMX-IC:(UCS512H4LB) 12Pixels/m
	3000 K	2800-3200K						548(167/ft)		
	4000 K	3900-4350K						574(175/ft)		
JAFT1616-24V	2700 K	2600-2830K	>90	24V	0.21 (0.07A/ft)	5 (1.53W/ft)	5.5 (2.75W/ft)	315(96/ft)	15000mm (49.2ft)	16LED / 50mm
	3000 K	2920-3170K						320(98/ft)		
	4000 K	3770-4220K						355(108/ft)		
JAFT1616-24V	G 515-525nm B 450-460nm	/	/	24V	0.42 (0.12A/ft)	10 (3.05W/ft)	11 (3.35W/ft)	/	10000mm (32.8ft)	16LED / 50mm

Note:

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



IP Process Information



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 $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$, and the storage temperature is $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$.
- 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



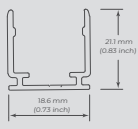
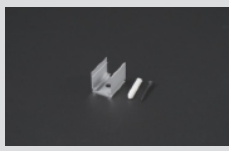
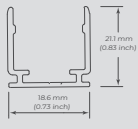
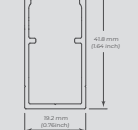
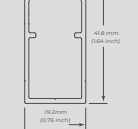
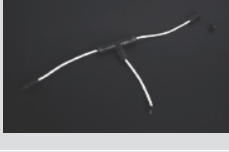
No Distortion

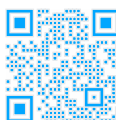


No Stepping



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
Aluminium carrier	Flat mounting aluminum channel			JAS-GMS/T1616A-1000	40	0.21	8.64	10.59	1180*135*130	Size: L1000*W18.6* H21.1mm with screw
Aluminum clip	Flat mounting clip			JAS-GMS/T1616A-25	720	0.005	5.04	5.34	250*250*150	Size: L25*W18.6* H21.1mm with screw
Aluminium carrier	Aluminum groove with reserved wire outlet			JAS-GMS/T1616A1-1000	20	0.44	8.92	10.87	1180*135*130	Size: L1000*W19.2* H41.8mm with screw
Aluminum clip	clip with reserved wire outlet			JAS-GMS/T1616A1-25	400	0.0106	5.04	5.34	250*250*150	Size: L25*W19.2* H41.8mm with screw
glue	588G Acid glue		/	JAS-PG-0002	150	0.014	2.1	2.4	250*250*150	10ml/pcs
Wire	2P DC wire (Male)		/	JAS-FC-009(0.25M) JAS-FC-010 (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 DC wire (Female)		/	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 5.155	4.54 6.88 5.48	250*250*150	Suitable for monochromatic led strip Wire lengths are optional: 0.25M/0.5M/2M
Wire	2P T-Connection Wire		/	JAS-FC-0027	20	0.0652	1.304	1.604	250*250*150	Suitable for monochromatic led strip Wire length 150mm
Wire	4P DC wire (Male)		/	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



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 DC wire (Female)		/	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	4P T-Connection Wire		/	JAS-FC-0028	20	0.0675	1.35	1.65	250*250*150	Suitable for RGB led strip Wire length 150mm
Wire	5P DC wire (Male)		/	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 DC wire (Female)		/	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-0029	20	0.0694	1.388	1.688	250*250*150	Suitable for RGBW led strip Wire length 150mm
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
Plug	Silicone Plug Set. Includes plug and plug end (Top)		/	JAS-GMT1616GH0-EC	400	0.0025	1.034	1.334	250*250*150	/
Plug	Silicone Plug Set. Includes plug and plug end (Bottom)		/	JAS-GMT1616GD0-EC	400	0.0037	1.488	1.788	250*250*150	/



Product System Control Solutions

Product Image	Product name	SKU	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)
	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

