

Product Description

- Light source: high luminous efficiency LED lamp beads, LM80 test certification;
- Process material: high light transmittance, high purity silica gel material, Ip65 protection level;
- Optical design: unique optical light distribution structure design;
- Appearance design: skin-friendly surface treatment, comfortable touch, good flexibility, and simple shape;
- Product certification: UL, CE, ROHS, REACH, UKCA;
- Environmental characteristics: salt solution resistance, acid and alkali corrosion resistance, flame retardant resistance, UV resistance;
- Working/storage temperature: Ta: -25~55°C / 0°C~60°C;
Symphony working/storage temperature: Ta: -20~40°C / 0°C~60°C;
- SPI chip mode and pixel count: R/G/B/RGB: WS2815,90Pixels/m;
- Product application: decorative lighting, artistic lighting, modeling contrast;
- Warranty: Indoor: 5 years warranty or working life =60000H,whichever comes first;
Semi-outdoor: 5 years warranty or working life=36000H,whichever comes first.

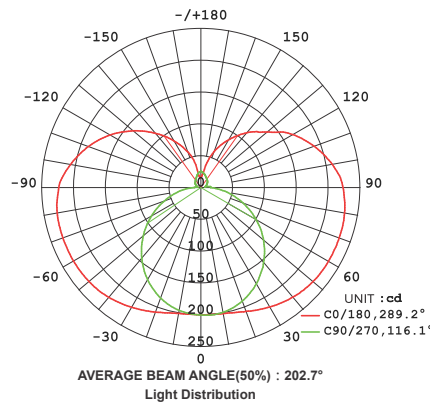
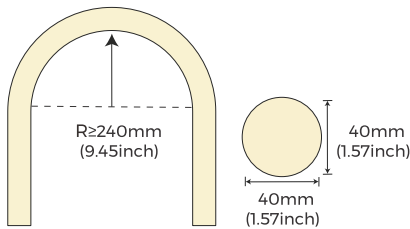


High Power (HP)

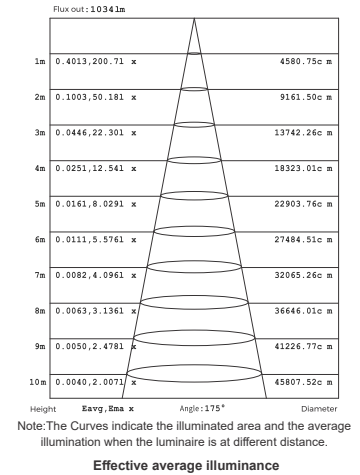
- Led Qty: 320LEDs/m
- Typ.Power: 18W/M
- Min Cut: 8*2led/50mm
- Luminous flux: 2105LM/m@4200K
- Bend radius: >240mm

Low Power (LP)

- Led Qty: 336LEDs/m
- Typ.Power: 15W/M
- Min Cut: 7*2led/41.67mm
- Luminous flux: 1310LM/m@4200K
- Bend radius: >240mm



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.



ORDERING GUIDE EXAMPLE: JNNR40-24V-HP-23K-16.4-IP65-S-LC6FT

Product Series	CCT	CRI	Max Strip Length per Power Input	IP Options	Entry Cable Positions	Lead Cable Length
JNNR40-24V-HP	23K 2300K	90 >90 CRI	16.4 16.4FT	IP65 IP65 Gluing end cap	T One-end top S One-end side	LC6FT Lead cable 6 feet standard LCX*FT Customize the lead cable length
JNNR40-24V-LP	27K 2700K 30K 3000K 42K 4200K Max length 16.4FT		XXFT Replace XX with desired length			
	RGB Red/Green/Blue Max length 16.4FT					
	RGB-23K 2300K RGB-27K 2700K RGB-30K 3000K RGB-40K 4000K Max length 16.4FT	90 >90 CRI				
JNNR40-12V-HP JNNR40-12V-LP	SPI Serial Peripheral Interface Max length 16.4FT					

*Replace X with desired value



Photometry and Specifications

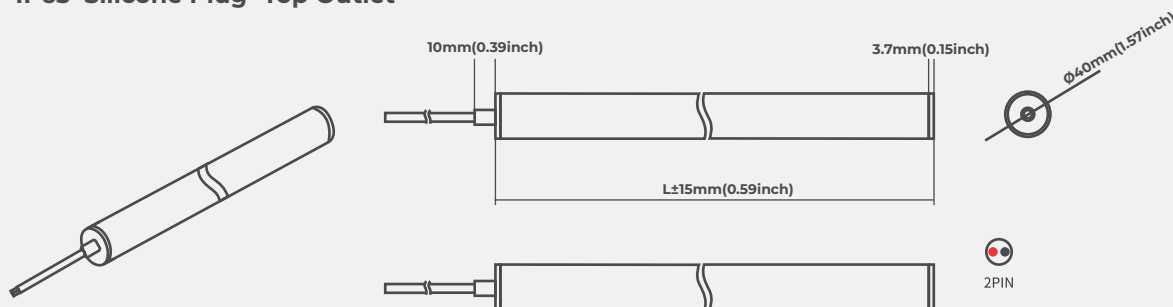
Model	CCT/colors	Color range	CRI	Input voltage (V)	Rated Current (M)	Rated Power (w/m)	Maximum Power (w/m)	Lumens (LM/m)	Standard Length	Remark
JNNR40-24V	2300K	1950-2400K	90	24V	0.625 (0.19A/ft)	15 (4.6W/ft)	16.5 (5.0W/ft)	1110(338.41/ft)	5000mm (16.4ft)	No cutting 14LED/41.67mm
	2700K	2500-2900K						1260(384.15/ft)		
	3000K	2900-3350K						1310(399.39/ft)		
	4200K	4000-4500K						1310(399.39/ft)		
JNNR40-24V	2300K	1950-2400K	90		0.75 (0.23A/ft)	18 (5.5W/ft)	19.8 (6.0W/ft)	1890(576.22/ft)	5000mm (16.4ft)	No cutting 16LED/50mm
	2700K	2600-2900K						2050(625.00/ft)		
	3000K	2900-3350K						2090(637.20/ft)		
	4200K	3900-4400K						2105(641.77/ft)		
JNNR40-24V	RGB	/	/		0.6 (0.18A/ft)	14.4 (4.4W/ft)	16.56 (5.0W/ft)	445(135.67/ft)	5000mm (16.4ft)	No cutting 14LED/50mm
JNNR40-24V	RGB~2300K	2160-2360K	/		0.72 (0.22A/ft)	17.2 (5.2W/ft)	19.8 (6.0W/ft)	775(236.28/ft)	5000mm (16.4ft)	No cutting 24LED/62.5mm
	RGB~2700K	2615-2915K						895(272.87/ft)		
	RGB~3200K	2965-3365K						930(283.54/ft)		
	RGB~4000K	3715-4415K						895(272.87/ft)		
JNNR40-12V	SPI	/	/	12V	1.80 (0.55W/ft)	21.6 (5.2W/ft)	23.8 (7.2W/ft)	280(85.37/ft)	5000mm (16.4ft)	Arbitrary cutting 2LED/11.11mm IC:(WS2815), 90Pixels/m

Note:

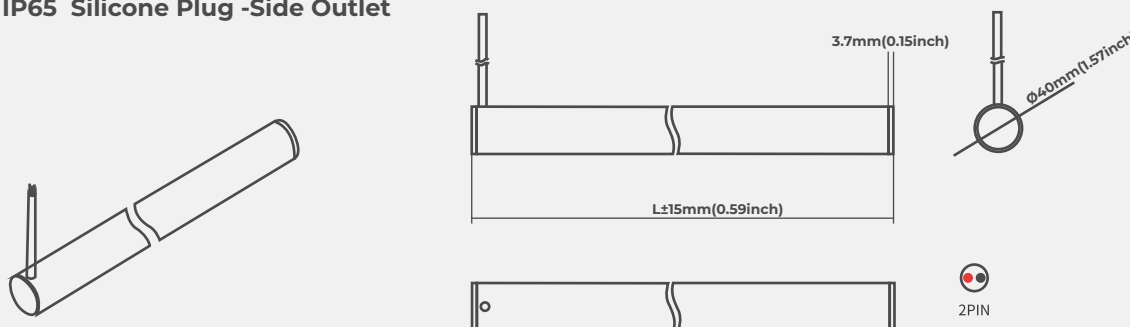
1. The above parameters are tested based on 1m/3.28ft standard products;
2. The luminous flux is allowed to have an error range of $\pm 15\%$;
3. The above parameters are typical values;
4. The standard size of 24V is 5m (16.4ft).

IP Process Information

• IP65 Silicone Plug -Top Outlet



• IP65 Silicone Plug -Side Outlet

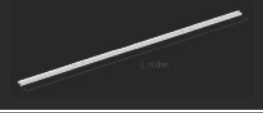
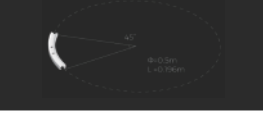
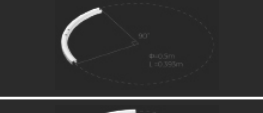
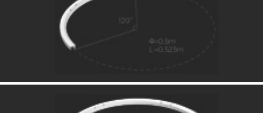
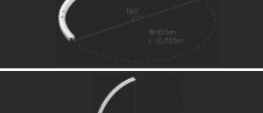
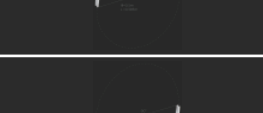
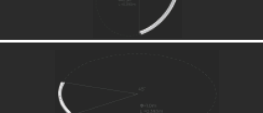
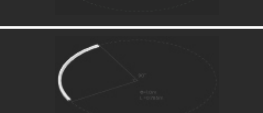
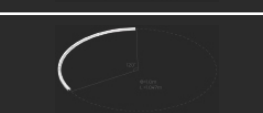
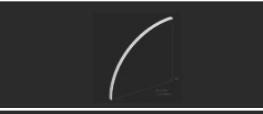
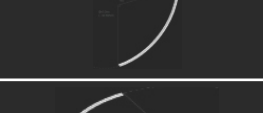


Accessories Information

Installation Schematic	Accessories Picture	Name	Order model	quantity/ case (PCS)	net weight (kg)	Per box net weight (kg)	Gross weight (kg)	Gross weight (mm)	Remark
/		JNNR40 Trimless embedded accessory	JNNR40VTD-XX-2	36	0.14	5.04	7.48	410*410*260	Appearance size: Ø78*25mm Mounting hole size: Ø55mm
/		JNNR40 Embedded accessory	JNNR40VRD-XX-2	36	0.22	7.92	10.36	410*410*260	Appearance size: Ø80*25mm Mounting hole size: Ø55mm
/		JNNR40 N-buckle accessory	JNNR40P1-25	100	0.015	1.5	2.1	250*250*150	Appearance size: L25mm*W59mm*H43.3mm 3pcs/1M;5pcs/2.5M;8pcs/5M
/		JNNR40 N-channel accessory	JNNR40LCX-1000	8	0.37	2.96	4.06	1180*125*115	Appearance size: L1000mm*W59mm*H43.3mm
/		JNNR40 invisible buckle	JNNR40DCX-XX	600	0.01	6	6.6	250*250*150	Appearance size: PC:W14.3*H4.9*L32.2mm SUS304:W12.1*H1.5*L17.1mm Recommended dosage: 1PCS/0.5M
/		JNNR40 Ceiling mounting accessory	JNNR40VCC-XX-2	36	0.16	5.76	8.2	410*410*260	Appearance size: Ø50mm*47mm
/		JNNR40 Hole Diameter 4.5mm top cap	JNNR40GH0-EC	540	0.01	5.4	6.4	410*410*260	Suit to: White light 'RGB
/		JNNR40 Hole Diameter 4.5mm side cap	JNNR40GS0-EC	540	0.01	5.4	6.4	410*410*260	Suit to: White light 'RGB
/		JNNR40 Hole Diameter 5.6mm top cap	JNNR40GH1-EC	540	0.01	5.4	6.4	410*410*260	Suit to: SPI 'RGBW
/		JNNR40 Hole Diameter 5.6mm side cap	JNNR40GS1-EC	540	0.01	5.4	6.4	410*410*260	Suit to: SPI 'RGBW
/		2P PVC wire (0.5M)	JAS-WS-0001	150	0.015 41	2.31	2.61	250*250*150	Suit to white light strip
/		2P PVC wire (2M)	JAS-WS-0002	125	0.06 16	7.7	8	250*250*150	
/		4P PVC wire (0.5M)	JAS-WS-0003	150	0.01 94	2.91	3.21	250*250*150	Suit to RGB strip
/		4P PVC wire (2M)	JAS-WS-0004	125	0.07 76	9.7	10	250*250*150	
/		JNNR40 Lifting accessories	JNNR40LHX-S2000	96	0.08	7.68	8.8	365*365*190	Suit to: JNNR40
/		JNNR40 Splicing accessories	JNNR40LCX-0070SW	240	0.025	6	7.2	365*365*190	Suit to: JNNR40



Accessories Information

Installation Schematic	Accessories Picture	Name	Order model	quantity/ case (PCS)	net weight (kg)	Per box net weight (kg)	Gross weight (kg)	Gross weight (mm)	Remark
/		0.5m linear profiles	JNNR40LH/CX -0500	40	0.16	6.4	7.8	1180*125*115	Appearance size: L500*W21*H12.2mm
/		1m linear profiles	JNNR40LH/CX -1000	20	0.32	6.4	7.8	1180*125*115	Appearance size: L1000*W21*H12.2mm
/		Ø500mm side-bending 45° profile	JNNR40LH/CX -S50A45	144	0.056	8.06	9.16	560*560*125	Appearance size: Ø500*21*12.2mm
/		Ø500mm side-bending 90° profile	JNNR40LH/CX -S50A90	50	0.113	5.65	6.75	560*560*125	Appearance size: Ø500*21*12.2mm
/		Ø500mm side-bending 120° profile	JNNR40LH/CX -S50A120	30	0.151	4.53	5.63	560*560*125	Appearance size: Ø500*21*12.2mm
/		Ø500mm side-bending 180° profile	JNNR40LH/CX -S50A180	6	0.228	1.37	2.47	560*560*125	Appearance size: Ø500*21*12.2mm
/		Ø500mm upward bending 90° profile	JNNR40LH/CX -T050A90	50	0.115	5.75	6.85	560*560*125	Appearance size: Ø500*21*12.2mm
/		Ø500mm downward bending 90° profile	JNNR40LH/CX -D050A90	50	0.115	5.75	6.85	560*560*125	Appearance size: Ø500*21*12.2mm
/		Ø1000mm side-bending 45° profile	JNNR40LH/CX -S100A45	66	0.113	7.46	8.56	560*560*125	Appearance size: Ø1000*21*12.2mm
/		Ø1000mm side-bending 90° profile	JNNR40LH/CX -S100A90	6	0.226	1.36	2.46	560*560*125	Appearance size: Ø1000*21*12.2mm
/		Ø1000mm side-bending 120° profile	JNNR40LH/CX -S100A120	6	0.306	1.84	2.94	1135*305*100	Appearance size: Ø1000*21*12.2mm
/		Ø1000mm upward bending 90° profile	JNNR40LH/CX -T100A90	6	0.23	1.38	2.48	560*560*125	Appearance size: Ø1000*21*12.2mm
/		Ø1000mm downward bending 90° profile	JNNR40LH/CX -D100A90	6	0.23	1.38	2.48	560*560*125	Appearance size: Ø1000*21*12.2mm
/		Ø1500mm side-bending 45° profile	JNNR40LH/CX -S150A45	30	0.171	5.13	6.23	560*560*125	Appearance size: Ø1500*21*12.2mm
/		Ø1500mm side-bending 90° profile	JNNR40LH/CX -S150A90	6	0.344	2.06	3.16	1135*305*100	Appearance size: Ø1500*21*12.2mm



Product System Control Solutions

Product Image	Product name	Product number	SKU	Product specifications	Applicable Products
	Monochrome remote	JCK1-GBA	402-02-000000-00001	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	402-01-000000-00001	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 JCR1-GBA)

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

