



FLEX 360 R40 (360 LED NEON FLEXIBLE)

The FLEX 360 Collection is a premium round-profile LED neon flex delivering true 360° omnidirectional illumination. Engineered with advanced silicone extrusion technology, it provides seamless, dot-free light output with consistent brightness from every viewing angle. The flexible construction allows smooth bending and shaping, making it ideal for creative architectural outlines, feature lighting, and decorative installations where uniform circular light distribution is required. Designed for both indoor and outdoor applications, the FLEX 360 series features durable, UV-resistant silicone housing with high ingress protection ratings for long-term reliability. Available in multiple diameters and configurations, including single color, tunable white, RGB, and RGBW options, the system supports various control protocols depending on the model. With high CRI performance, cut-to-length customization, and compatibility with standard LED drivers.





MATERIAL:

High Purity Silica Gel

IK RATING:

IK08

VOLTAGE:

12V DC / 24V DC

IP RATING:

IP65

DRIVER POSITION:

Remote

WARRANTY:

5 years

MAIN FEATURES:

Full colour RGBW

Functional and minimalistic design

Skin-friendly surface treatment

Operating Temperature: -13°F to +131°F.

PROJECT

SPEC TYPE

NOTES

LED

IP65



RGBW



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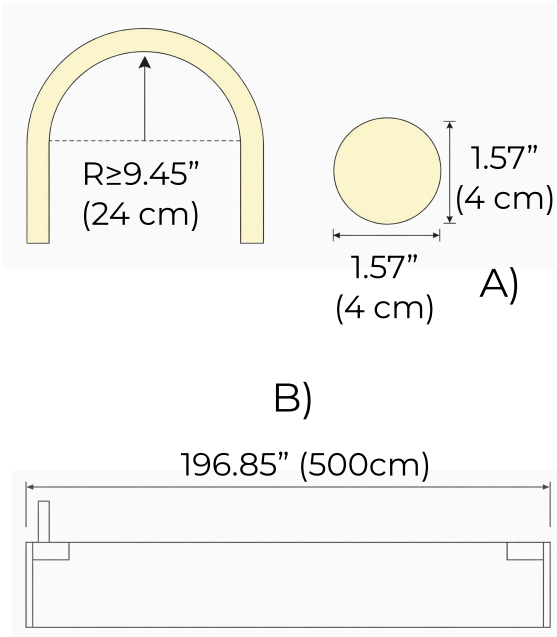
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HOW TO ORDER:

Example:
 CODE: BY-FLX360R40-CL-LS1LP-ECT-AS-NNR40VTD-XX-2-AS-NNR40LH/CX-S50A45-402-02-000000-00013-402-02-000000-00001

BY-FLX360R40-CL-LS1LP-ECT-AS-NNR40VTD-XX-2-AS-NNR40LH/CX-S50A45-402-02-000000-00013-402-02-000000-00001

1

MODELS:

- A) Diameter - Ø: 1.57" (4 cm)
- B) Length - L: 196.85" (500 cm)

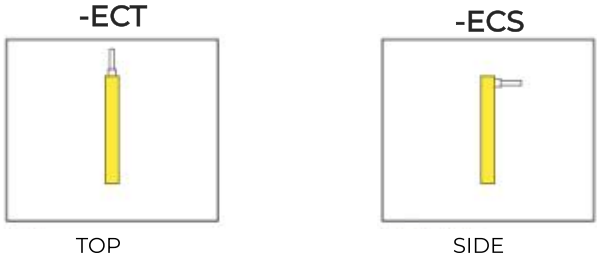
2

LIGHT SOURCE:

CODE	INPUT VOLTAGE	CCT	RATED POWER	CRI	LUMENS	CUTTING
-LS1LP -LS2LP -LS3LP -LS4LP	24VDC	2300 K 2700 K 3000 K 4200 K	15W (4.6W/ft)	90	1110 (338.41/ft) 1260 (384.15/ft) 1310(399.39/ft) 1310(399.39/ft)	No cutting 14LED/1.64"
-LS1HP -LS2HP -LS3HP -LS4HP		2300 K 2700 K 3000 K 4200 K	18W (5.5W/ft)	90	1890(576.22/ft) 2050(625.00/ft) 2090(637.20/ft) 2105(641.77/ft)	No cutting 16LED/1.97"
-LS1RGB		RGB	14.4W (4.4W/ft)	/	445(135/67/ft)	No cutting 14LED/1.97"
-LS1RGBW -LS2RGBW -LS3RGBW -LS4RGBW		RGB-2300 K RGB-2700 K RGB-3000 K RGB-4200 K	17.2W (5.2W/ft)	/	775(236.28/ft) 895(272.87/ft) 930(283.54/ft) 895(272.87/ft)	No cutting 24LED/2.46"
-LSISPI		SPI	21.6W (5.2W/ft)	/	280(85.37/ft)	Arbitrary cutting 2LED/0.4" IC:(WS2815) 90Pixels/m

3

ENTRY CABLE:



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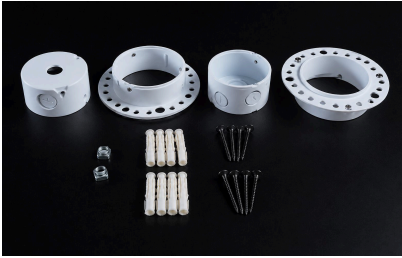
Example:
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BY-FLX360R40-CL-LS1LP-ECT-AS-NNR40VTD-XX-2-AS-NNR40LH/CX-S50A45-402-02-000000-00013-402-02-000000-00001

4 ACCESSORIES:

-AS-NNR40VTD-XX-2

R40 Trimless embedded accessory



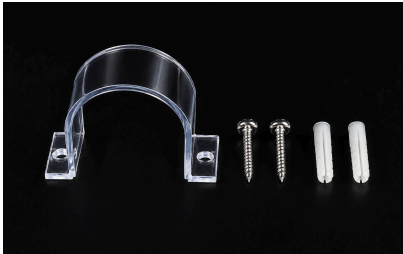
-AS-NNR40VRD-XX-2

R40 Embedded accessory



-AS-NNR40P1-25

R40 N-buckle accessory



-AS-NNR40LCX-1000

R40 N-groove accessory



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BY-FLX360R40-CL-LS1LP-ECT-AS-NNR40VTD-XX-2-AS-NNR40LH/CX-S50A45-402-02-000000-00013-402-02-000000-00001

4 ACCESSORIES:

-AS-NNR40DCX-XX

R40 Invisible buckle



-AS-NNR40VCC-XX-2

R40 Ceiling mounting accessory



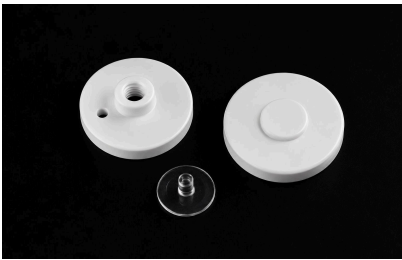
-AS-NNR40GH0-EC

R40 Hole Diameter 4.5&6.5mm top cap



-AS-NNR40GS0-EC

R40 Hole Diameter 4.5&6.5mm side cap



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BY-FLX360R40-CL-LS1LP-ECT-AS-NNR40VTD-XX-2-AS-NNR40LH/CX-S50A45-402-02-000000-00013-402-02-000000-00001

4 ACCESSORIES:

-AS-NNR40LHX-S2000

R40 Lifting accessories



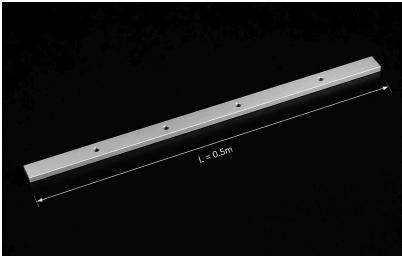
-AS-NNR40LCX-0070SW

R40 Splicing accessories



-AS-NNR40LH/CX-0500

0.5m linear profiles
L500*W21*H12.2mm



-AS-NNR40LH/CX-1000

1m linear profiles
L1000*W21*H12.2mm



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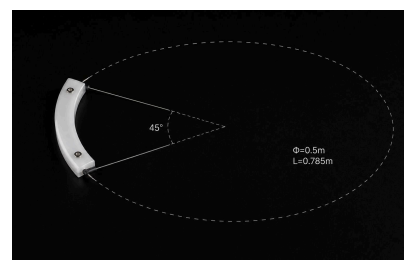
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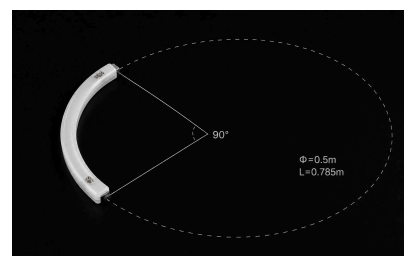
-AS-NNR40LH/CX-S50A45

φ500mm side-bending
45° profile
φ500*21*12.2mm



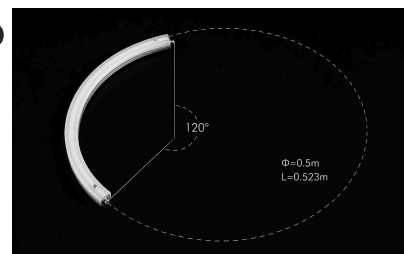
-AS-NNR40LH/CX-S50A90

φ500mm side-bending
90° profile
φ500*21*12.2mm



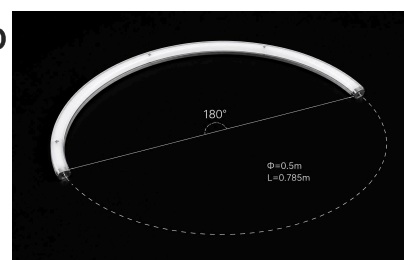
-AS-NNR40LH/CX-S50A120

φ500mm side-bending
120° profile
φ500*21*12.2mm



-AS-NNR40LH/CX-S50A180

φ500mm side-bending
180° profile
φ500*21*12.2mm



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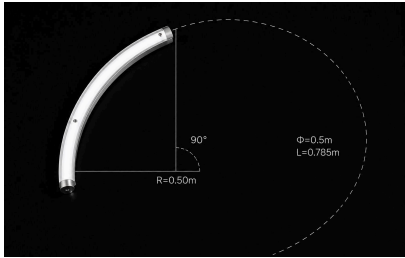
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4 ACCESSORIES:

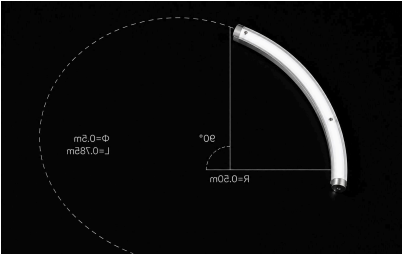
-AS-NNR40LH/CX-T050A90

φ500mm upward bending
90° profile
φ500*21*12.2mm



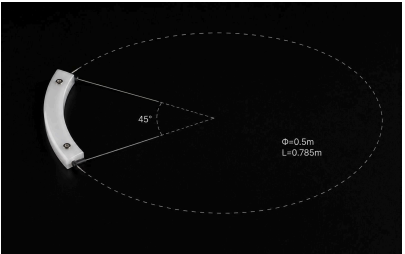
-AS-NNR40LH/CX-D050A90

φ500mm downward
bending 90° profile
φ500*21*12.2mm



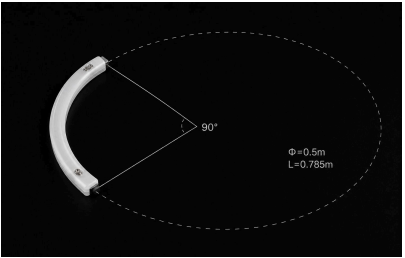
-AS-NNR40LH/CX-S100A45

φ1000mm side-bending
45° profile
φ1000*21*12.2mm



-AS-NNR40LH/CX-S100A90

φ1000mm side-bending
90° profile
φ1000*21*12.2mm



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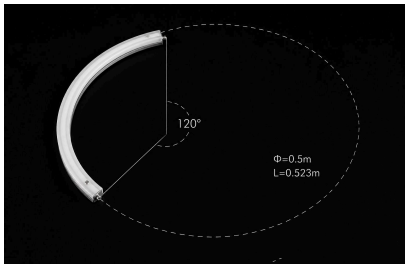
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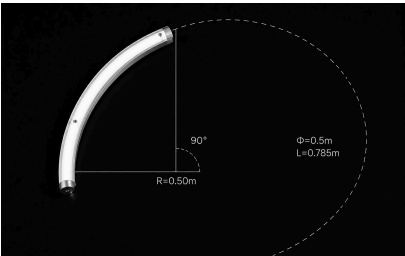
-AS-NNR40LH/CX-S100A120

φ1000mm side-bending
120° profile
φ1000*21*12.2mm



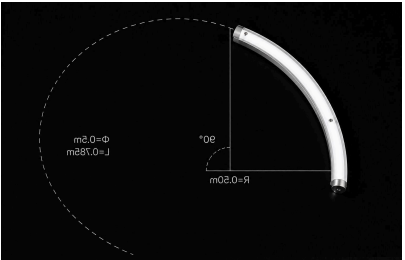
-AS-NNR40LH/CX-T100A90

φ1000mm upward
bending 90° profile
φ1000*21*12.2mm



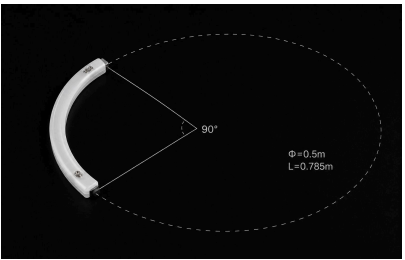
-AS-NNR40LH/CX-D100A90

φ1000mm downward
bending 90° profile
φ1000*21*12.2mm



-AS-NNR40LH/CX-S150A45

φ1500mm side-bending
90°&45° profile
φ1500*21*12.2mm



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5 SYSTEM CONTROL:

-402-02-000000-00001

Monochrome Remote Control
R6-1
Operating voltage: 3VDC(Battery CR2032)
Operating frequency: 2.4GHz
Remote control distance: 30m
Operating temperature: -30°C-55°C
Size:L107*W58.5*H9(mm)



-402-0-000000-00013

Knob panel controller used for dimming to warm
CP1-GBB
Input voltage: 12-24VDC
Input current: 6A*1CH
Operating temperature: -30°C-55°C
Size: L86*W86*H33(mm)



-402-02-000000-00013

Monochrome Control Receiver
CR1-GBA
Input voltage: 12-48VDC
Maximum load current: 15A*1CH, Max15A@12/24V
10A *1CH, Max10A@36/48V
Maximum load power: 15A*1CH, Max15A@12/24V
10A *1CH, Max10A@36/48V
Operating temperature: -30°C-55°C
Size: L175*W45*H27(mm)



-402-02-000000-00003

RGB/RGBW Remote Control
R8-1
Operating voltage: 3VDC (Battery CR2032)
Operating frequency: 2.4GHz
Remote control distance: 30m
Operating temperature: -30°C-55°C
Product Size: L107*W58.5*H9(mm)



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BY-FLX360R40-CL-LS1LP-ECT-AS-NNR40VTD-XX-2-AS-NNR40LH/CX-S50A45-402-02-000000-00013-402-02-000000-00001

5 SYSTEM CONTROL:

-402-01-000000-00003

RGB Control Receiver
CR3-GBA
Input voltage: 12-48VDC
Maximum load current: 6A*3CH,Max 18A
Maximum load power: 216W/432W@12V/24V
648W/864@36V/48V
Operating temperature: -30°C-55°C
Size: L175*W45*H27(mm)



-402-02-000000-00013

RGBW Control Receiver
CR4-GBA
Input voltage: 12-48VDC
Maximum load current: 5A*4CH, Max 20A
Maximum load power: 240W/480W@12V/24V
720W/960W@36V/48V
Operating temperature: -30°C-55°C
Product Size:L175*W45*H27(mm)



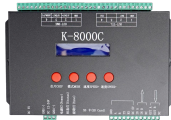
-23-01-00-0048

Programcontrolled digital controller
K-1000C
Operating temperature: -30°C 85°C
Power supply: direct current 5V-24V input
Power consumption: 2W
Data transferring port: 1 (1*1024 pixel)
Weight : 0.35 Kg
Product size: L159*W89*H24mm
Storage type: SD card
Capacity of storage card: 128MB-32GB
Storage format: FAT or FAT32
Storage file: *.led



-23-01-00-0050

Programmable digital controller
K-8000C
Operating temperature: -20°C-85°C
Operating power supply: DC5V-24V input
Power consumption: 5W
Data transfer ports: 8 (8*1024 pixel)
Weight: 0.8 kg
Size: L180*W120*H30mm
Memory card: SD card
Storage capacity: 128MB-32GB
Card format: FAT/FAT32
Storage file: *.led



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BY-FLX360R40-CL-LS1LP-ECT-AS-NNR40VTD-XX-2-AS-NNR40LH/CX-S50A45-402-02-000000-00013-402-02-000000-00001

5

SYSTEM CONTROL:

-23-01-00-0041

Input voltage: 5-24V
Output voltage:50W/120W/240W(5V/12V/24V)
Output power:50W/120W/240W(5V/12V/24V)
Output current:10A
Dimming mode: SPI remote control
Wireless signal: 2.4GHz
IP:IP20
Operating temperature: -30°C-55°C
Product size: L104×W58×H9(mm)



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