

# LED FLEX NEON

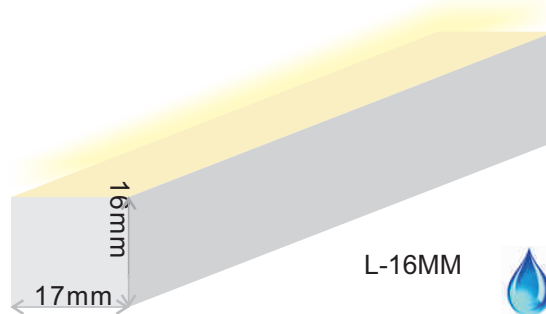
## INSTRUCTION OF LED FLEX NEON

These products are widely used in the illumination and decorative lighting for exterior, restaurants, corporate buildings, conference room, exhibition hall, shopping malls, parking, sculpture, and tourist attractions.

### A. Specification

#### A-1. Structure

Material: PVC body  
Input Voltage: 24VDC  
LED Qty/m: 120pcs/144pcs  
Protection: IP68  
Work temperature: -30°C-45°C  
IK Class: IK08



L-16MM

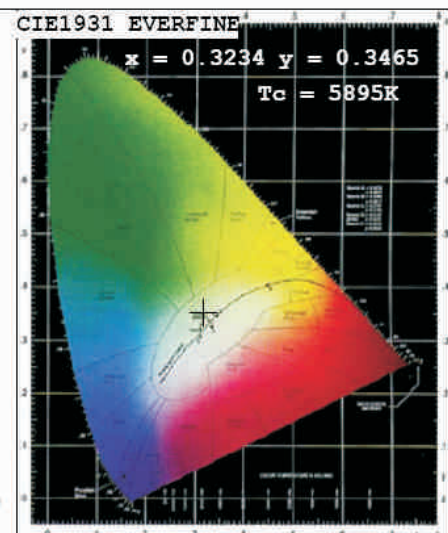
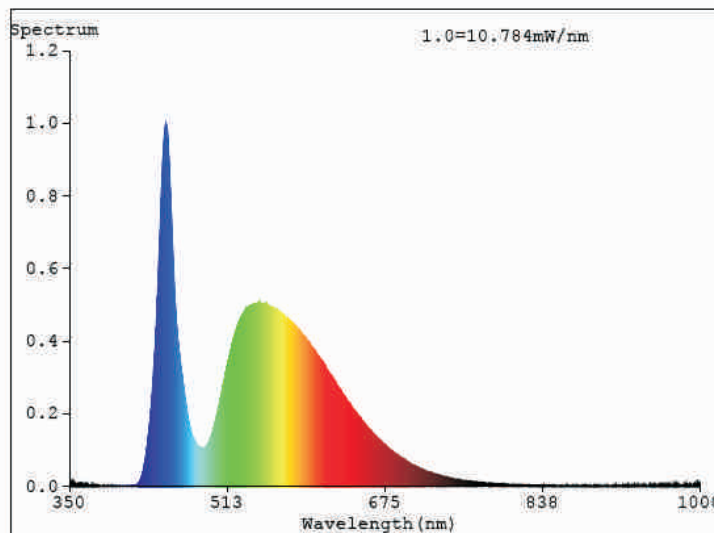


#### A-2. Model Configuration Table

Model No.	LED Color	LEDs/Unit	Cutting Length	Power/m	Weight	✓ @
L16A-24V-120	RGB	12pcs SMD/3528	10 cm	7.2W	0.5kg/mL	
L16A-24V-144	RGB	12pcs SMD/3528	8.3cm	8.8W	0.5kg/m	

### B. Photometrics Parameters

Test Model: L16A-24V-120-6000KL



#### B-1. Color Parameters

Chromaticity Coordinate:  $x=0.3234$   $y=0.3465$   $u'=0.1987$   $v'=0.4790$   
 $T_c=5895K$  (Duv=0.0068) Dominant WL:Ld =510.5nm Purity=3.1%  
 Ratio:R=12.8% G=83.6% B=3.6% Peak WL:Lp=449.2nm FWHM=19.0nm

#### B-2. Render Index: Ra=73.4

R1 =71 R2 =76 R3 =79 R4 =74 R5 =72 R6 =68 R7 =84  
 R8 =64 R9 =0 R10=43 R11=71 R12=39 R13=72 R14=88 R15=67

#### B-3. Photo Parameters

Flux = 320.1lm Eff. : 42.89 lm/W Fe = 992.4 mW

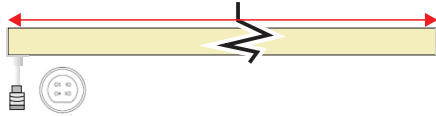
#### B-4. Electrical Parameters

V = 24.000 V I = 0.3110 A P = 7.464 W PF = 1.00

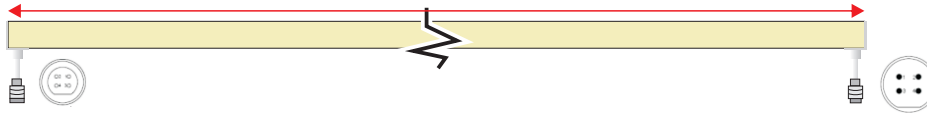
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## C. Connection Length

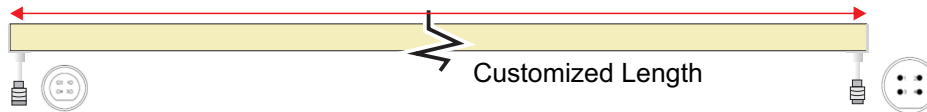
Power at one end: 10M/L16-120, 7m/L16-144



Power at both ends: 20M/L16-120, 14m/L16-144

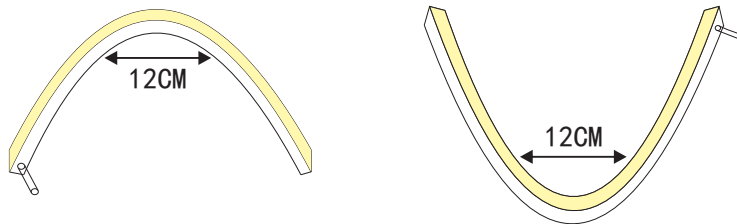


Power at both ends:



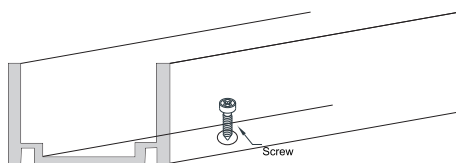
## D. Bending Direction

The minimum bending diameter is 12cm.



## E. Mounting

Every meter of aluminum channel has 2 screw holes. The installation usually requires installing aluminum channel as the first step, and then insert the LED neon product to the channel.



## F. Connection

The use of topview LED neon requires 24V constant voltage power supply.

