

Professional Micro Horizontal Bend LED Neon Flex

- 12V - 4mm x 10mm - IP65 - 5M Reel

tagra®

SKU: NEONTOPMICRO410/5MKIT



12V



>90
CRI

IP65



- ▶ Micro Design
- ▶ IP65 Protection
- ▶ Great flexibility
- ▶ 7 Colour Options
- ▶ 5 Metre Reel
- ▶ 3YR Warranty

Description

- ▶ High luminous efficiency
- ▶ High purity silica gel material
- ▶ Micro 4x10mm design
- ▶ CE & UKCA certification
- ▶ Resistance to salt solutions, acids & alkali corrosion, flame retardant and UV rays

Electrical Data

SKU	Voltage	Current Consumption			Power Consumption		
		Max.	Typ.	5m	Max.	Typ.	5m
NEONTOPMICRO410/5MKIT-WHITE	12V	0.6A/m	0.6A/m	3A	7.9W/m	7.2W/m	36W
NEONTOPMICRO410/5MKIT-RED/GREEN/BLUE	12V	0.6A/m	0.6A/m	3A	7.9W/m	7.2W/m	36W

Photometric & Light Data

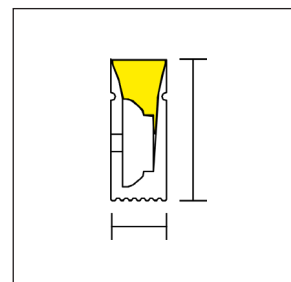
Colour Temperature	CRI	Beam Angle	Dimmable	LEDs / m	Lumens / m	Cut Points
2700K (VWW)	>90	120°	Yes	168 LEDs	240lm	17.86mm
3000K (WW)	>90	120°	Yes	168 LEDs	240lm	17.86mm
4000K (NW)	>90	120°	Yes	168 LEDs	270lm	17.86mm
6000K (CW)	>90	120°	Yes	168 LEDs	270lm	17.86mm
RED (620-620nm)	-	120°	Yes	168 LEDs	-	17.86mm
GREEN (525-530nm)	-	120°	Yes	168 LEDs	-	17.86mm
BLUE (465-470nm)	-	120°	Yes	168 LEDs	-	17.86mm

Mechanical Data

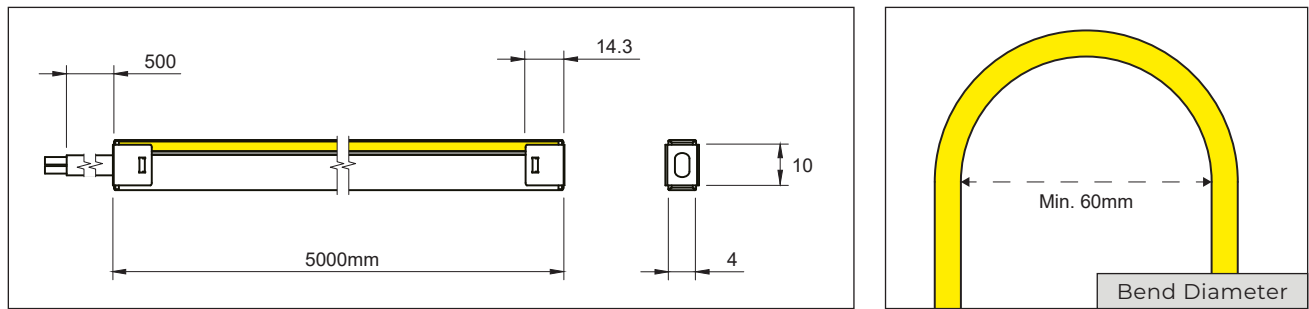
IP Rating	Bend Diameter	Cable Length	Cable End	IK Rating
IP65	60mm	500mm	Single End	IK06

Working Temp.	Storage Temp.	Lifespan	Warranty	Material
-0°C ~ +45°C	-0°C ~ +45°C	36,000 hours	3 Years	Silicone

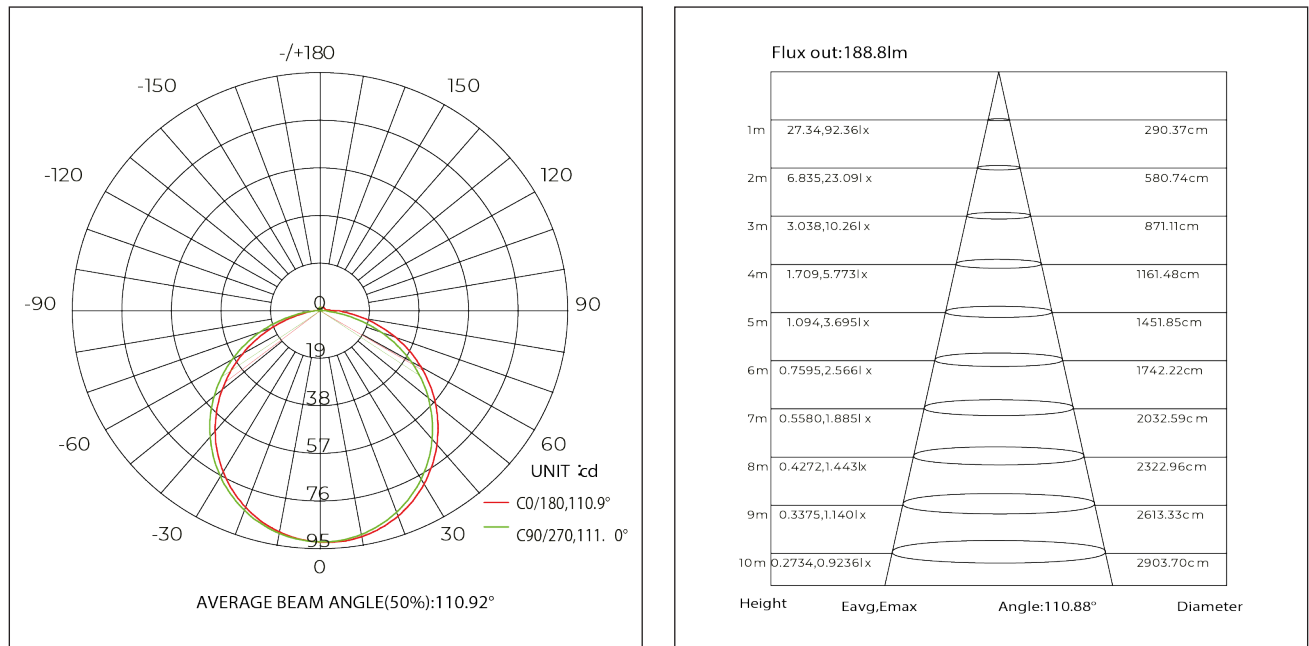
Length	Length Tolerance	Width	Height
5000mm	±15mm	4mm	10mm



Dimensions



Light Distribution

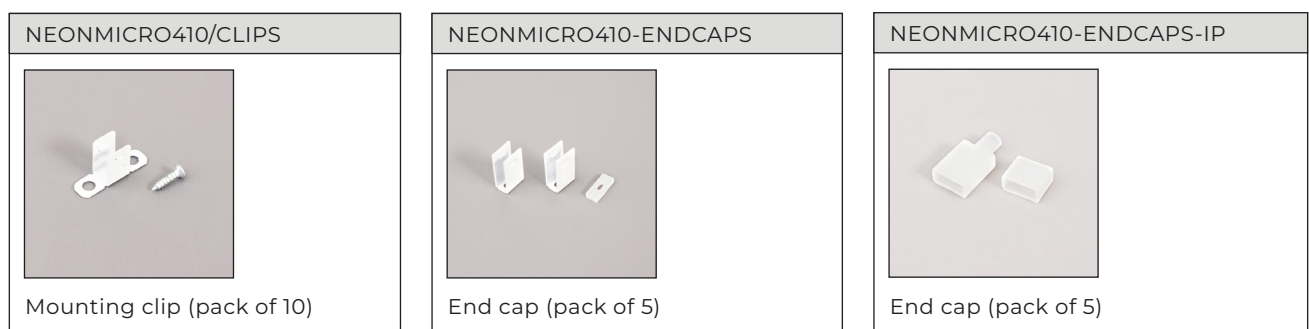


► Note: the above data is based on 24V 4000K colour temperature. If you require other IES files please get in touch.

Available SKUs

SKU	Length	Colour
NEONTOPMICRO410/5MKIT-VWW	5000mm	2700K
NEONTOPMICRO410/5MKIT-WW	5000mm	3000K
NEONTOPMICRO410/5MKIT-NW	5000mm	4000K
NEONTOPMICRO410/5MKIT-CW	5000mm	6000K
NEONTOPMICRO410/5MKIT-RED	5000mm	RED (620-620nm)
NEONTOPMICRO410/5MKIT-GREEN	5000mm	GREEN (525-530nm)
NEONTOPMICRO410/5MKIT-BLUE	5000mm	BLUE (465-470nm)

Accessories



NEONMICRO410-ALUCHAN1M



Aluminium Track (1000mm)

Reliability Testing

Test	Classification	Reference	Test method or condition
Safety Tests	Mechanical Strength	IEC 60598-1 IEC 60598-2-21	Hammer spring impact energy, 0.35J
	IP	IEC 60598-1 IEC 60598-2-21	IP65
	Winding Test	IEC 60598-1 IEC 60598-2-21	ø150mm cylinder, 60N pull, winding 10 times at (-25°C±2°C), and 10 times after (-15°C±2°C, 16h).
	Cold Bend Test	IEC 60598-1 IEC 60598-2-21	Wound on mandrel, low-temp (-15°C±2°C, 16h), around the mandrel for two turns.
	Cold Impact Test	IEC 60598-1 IEC 60598-2-21	Low-temp (-15°C±5°C, 16h), hammer falls from height of 100mm.
	Insulation Resistance	IEC 60598-1 IEC 60598-2-21	≤2MΩ
	Electrical Strength	IEC 60598-1 IEC 60598-2-21	500V
Mechanical Tests	Bending Test	-	Each 200mm, bending up and down 100 times.
	Bending Test	-	Each 200mm, bending left and right 100 times.
	Torsion Test	-	Twist clockwise 5 times and then release, repeat 200 times.
	Disassembly & Assembly Test	-	Repeat disassembly and assembly, 10 times
Environment Tests	High Temp. Storing Test	IEC 60068-2-2	80°C, 168h
	Low Temp. Storing Test	IEC 60068-2-1	-40°C, 168h
	High Temp. & Humidity Impact	IEC 60068-2-78	60°C, 85% RH
	Salt Spray Test	IEC 60068-2-11	5% salt solution concentration, 24h
	IK	IEC 62262	5 times of impact on each exposed surface
	Lifetime Aging Test	-	35°C, 6000h
	Switch Test	-	10s on, 10s off, 10000 times