

Professional 360 Bend LED Neon Flex
- 24V - 25mm Diameter - IP65 - Various Lengths

tagra®

SKU: NEON36025



- ▶ 360° light output
- ▶ IP65 Protection
- ▶ Great flexibility
- ▶ 6 Colour Options
- ▶ Various Lengths
- ▶ 3YR Warranty

Description

- ▶ High luminous efficiency
- ▶ High purity silica gel material
- ▶ Unique 360° light without shadows
- ▶ UL, CE, RoHs, UKCA, CB 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
NEON36025-WHITE	24V	0.6A/m	0.6A/m	2.7A	16W/m	14.4W/m	72.0W
NEON36025-RGB	24V	0.6A/m	0.6A/m	2.7A	16W/m	14.4W/m	72.0W
NEON36025-234K	24V	0.6A/m	0.6A/m	2.7A	16W/m	14.4W/m	72.0W

Photometric & Light Data

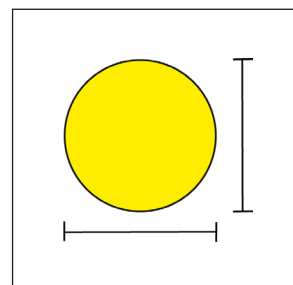
Colour Temperature	CRI	Beam Angle	Dimmable	LEDs / m	Lumens / m	Cut Points
2300K	>90	360°	Yes	334 LEDs	750lm	11.97mm
2700K	>90	360°	Yes	334 LEDs	950lm	11.97mm
3000K	>90	360°	Yes	334 LEDs	950lm	11.97mm
4000K	>90	360°	Yes	334 LEDs	950lm	11.97mm
RGB	-	360°	Yes	280 LEDs	400lm	50mm
2300K~4000K	>90	360°	Yes	768 LEDs	950lm	31.25mm

Mechanical Data

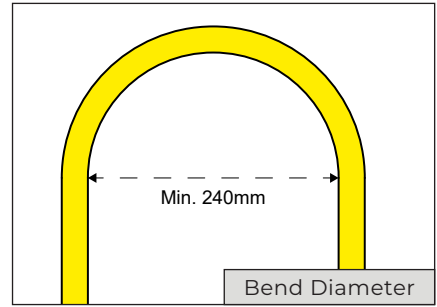
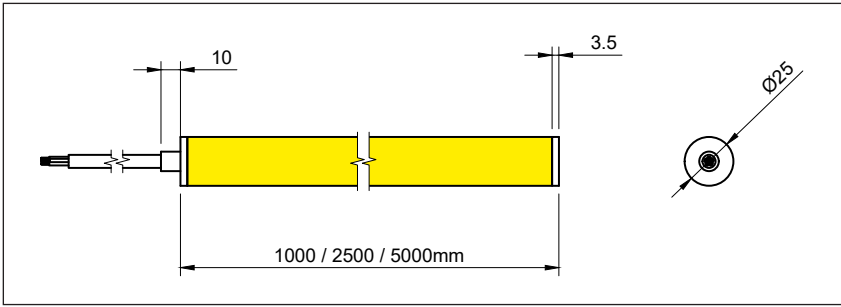
IP Rating	Bend Diameter	Cable Length	Cable End	IK Rating
IP65	240mm	500mm	Single End	IK08

Working Temp.	Storage Temp.	Lifespan	Warranty	Material
-25°C ~ +55°C	-0°C ~ +60°C	36,000 hours	3 Years	Silicone

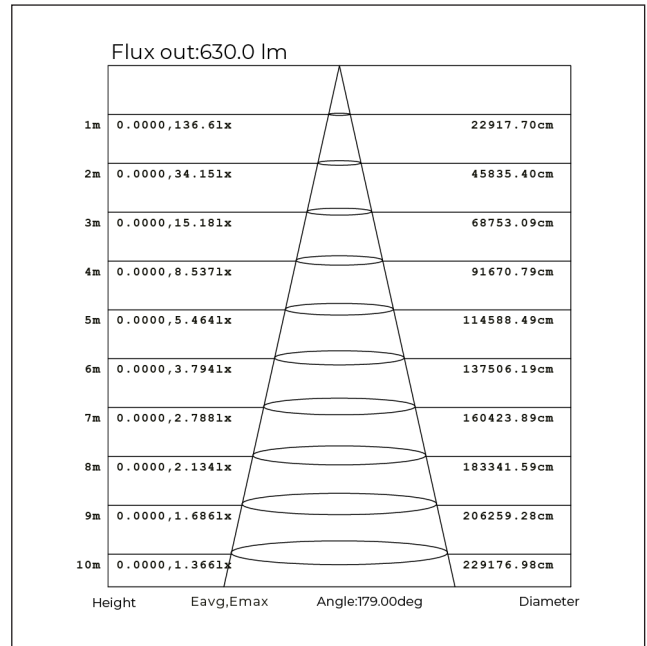
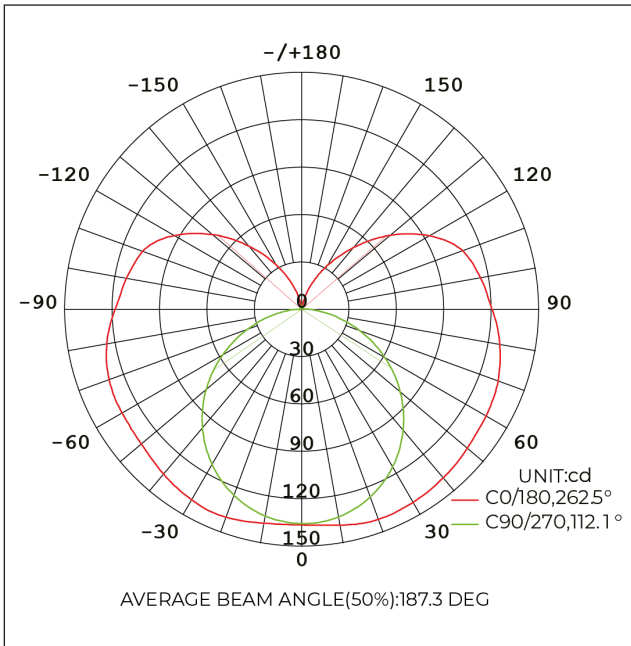
Length	Length Tolerance	Diameter
1000mm / 2500mm / 5000mm	±15mm	∅ 25mm



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
NEON36025-1M-23K	1000mm	2300K
NEON36025-2.5M-23K	2500mm	2300K
NEON36025-5M-23K	5000mm	2300K

SKU	Length	Colour
NEON36025-1M-27K	1000mm	2700K
NEON36025-2.5M-27K	2500mm	2700K
NEON36025-5M-27K	5000mm	2700K

SKU	Length	Colour
NEON36025-1M-3K	1000mm	3000K
NEON36025-2.5M-3K	2500mm	3000K
NEON36025-5M-3K	5000mm	3000K

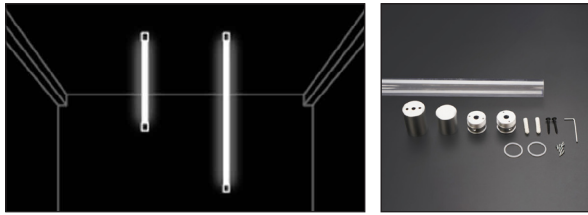
SKU	Length	Colour
NEON36025-1M-4K	1000mm	4000K
NEON36025-2.5M-4K	2500mm	4000K
NEON36025-5M-4K	5000mm	4000K

SKU	Length	Colour
NEON36025-1M-RGB	1000mm	RGB
NEON36025-2.5M-RGB	2500mm	RGB
NEON36025-5M-RGB	5000mm	RGB

SKU	Length	Colour
NEON36025-1M-234K	1000mm	2300K~4000K
NEON36025-2.5M-234K	2500mm	2300K~4000K
NEON36025-5M-234K	5000mm	2300K~4000K

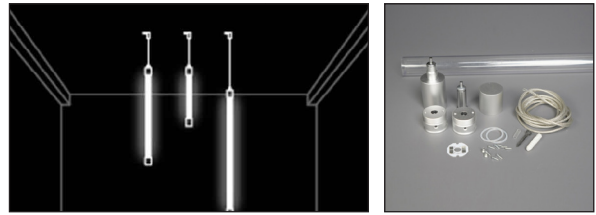
Installation Accessories

NEON36025-VSURFKIT-(1M/2.5M)



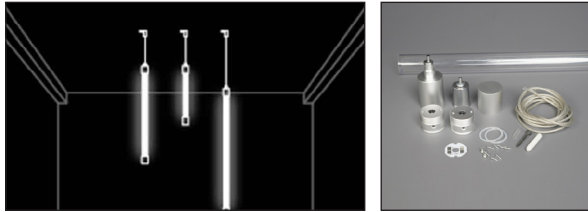
Single-ended vertical ceiling kit

NEON36025-VSUSKITSIDE-(1M/2.5M)



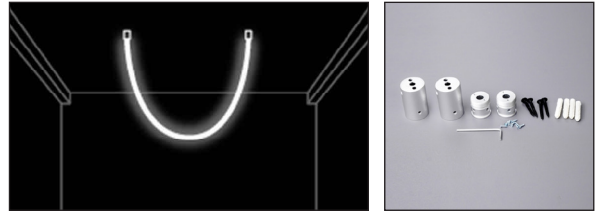
Vertical hanging side outlet kit

NEON36025-VSUSKITTOP-(1M/2.5M)



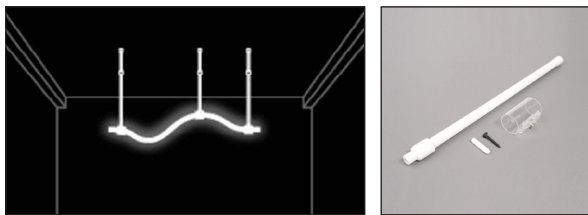
Vertical hanging top outlet kit

NEON36025-VSUSDUALKIT



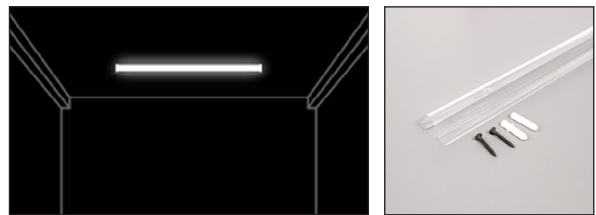
Double-ended vertical ceiling kit

NEON36025-ASUSKIT



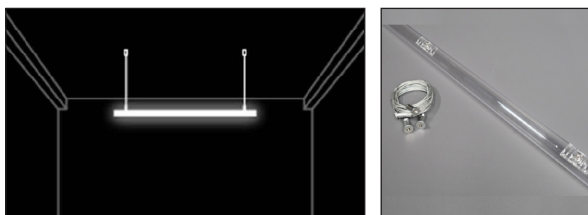
Custom shape suspension kit

NEON36025-HSURFKIT-1M



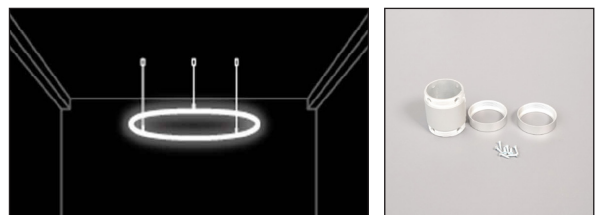
Custom shape suspension kit

NEON36025-HSUSKIT-1M



Custom shape suspension kit

NEON36025-SPLICERKITSIDE



Custom shape suspension kit

Other Accessories

NEON36025-CLIP



Mounting clip (single)

NEON36025-ENDCAP



End cap (single)

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	∅150mm 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