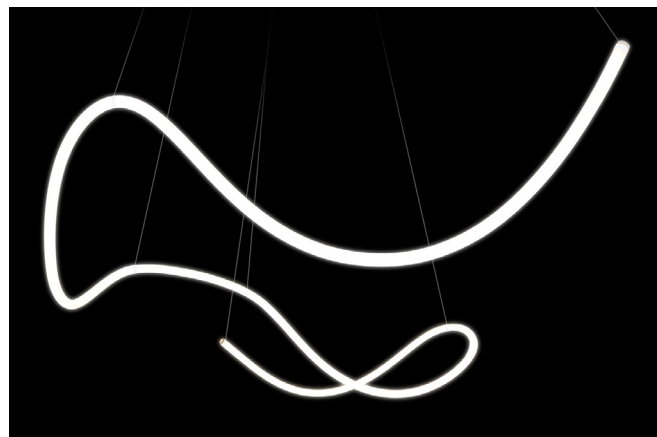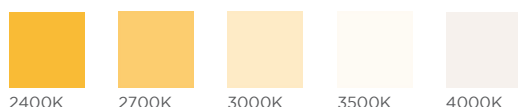**Date**

Project

Notes

NEON360

Neon360 is a bendable LED neon tube with a round profile that provides uniform light distribution. With a one-inch (0.91 in./23 mm) diameter, the striking 24V Neon360 is available in 5 dimmable Static White CCTs (2400K-4000K). Neon360 offers flexible design with a bending diameter of 4.72 in. (120 mm) and cut lengths of less than 2 in. (50 mm). Choose from several unique mounting options for creative light displays.

• Fully illuminated flexible round LED neon
• 0.91 in. (23 mm) diameter
• 5 Static White CCTs (2400K-4000K)
• Min. bending diameter: 4.72 in. (120 mm)
• 4.8 W/ft (16 W/m), cuttable every 1.4 in. (35.71 mm)
• 389.9 lm/ft (1278.9 lm/m) @ 4000K

UL   CE   **RoHS   IK08   IP65   LM80**

AVAILABLE COLORS AND COLOR TEMPERATURES

| 2400K | 2700K | 3000K | 3500K | 4000K |

ORDERING GUIDE

Category	Wattage & Color		Power Feed Direction
NL360			
NL360 - Neon360	**4.824** - 4.8 W/ft 2400K	**4.835** - 4.8 W/ft 3500K	**E** - End Feed
	4.827 - 4.8 W/ft 2700K	**4.840** - 4.8 W/ft 4000K	**S** - Side Feed
	4.830 - 4.8 W/ft 3000K		

ACCESSORIES

1. Mounting Clip
Part #: NL360MC

2. Mounting Channel
Part #: NL360CH

3. End Cap
Part #: NL360CAP

4. Coupler Kit
Part #: NL360COUP

5. Ceiling Mounting Kit
Part #: NL360CMNT

6. Ceiling Mounting Kit with Clear Rigid Tube
Part #: NL360CMNTPC

7. Vertical Suspended Mounting Kit
Part #: NL360VMNT

8. Vertical Suspended Mounting Kit with Clear Rigid Tube
Part #: NL360VMNTPC

9. Horizontal Suspended Mounting Kit with Clear Rigid Tube
Part #: NL360HSUSPC

10. Horizontal Suspended Mounting Kit with Mounting Channel
Part #: NL360HSUSCH
Add appropriate number of non-feed channel sections for fixtures longer than 6.74 in. (2 m)
Part #: NL360HSUSCHNF

11. Mounting Ring Kit with Steel Cable
Part #: NL360HOOK
(Canopy Kit not included)

12. Canopy Kit
Part #: NL360CANOPY

NOTE: Standard suspension cables are 39.37 in. (1 m) long. Order custom suspension cables up to 16 ft 4.85 in. (5 m) or longer.

DIMENSIONS

END FEED
Width: 0.91 in. (23 mm)
Height: 0.91 in. (23 mm)
Length: Up to 16 ft 4 in. (5 m)

SIDE VIEW

END VIEW

197.5 in. (5016.5 mm)

196.85 in. (5000 mm)

0.91 in. (23 mm)

0.91 in. (23 mm)

196.95 in. (5002.5 mm)

SIDE FEED
Width: 0.91 in. (23 mm)
Height: 1.46 in. (37 mm)
Length: Up to 16 ft 4 in. (5 m)

0.4 in. (10.16 mm)

0.91 in. (23 mm)

1.46 in. (37 mm)
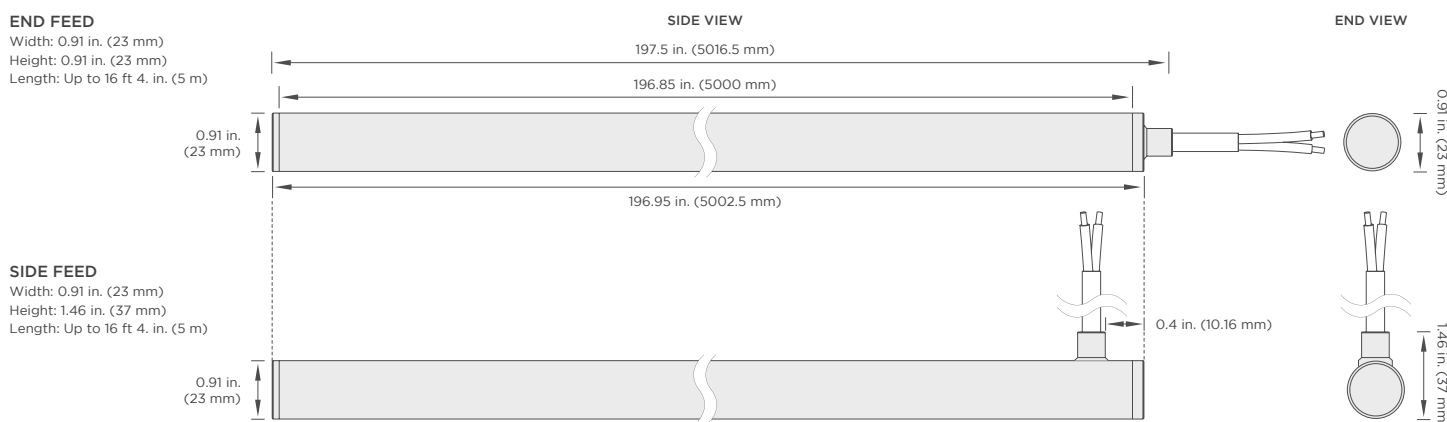
SPECIFICATIONS

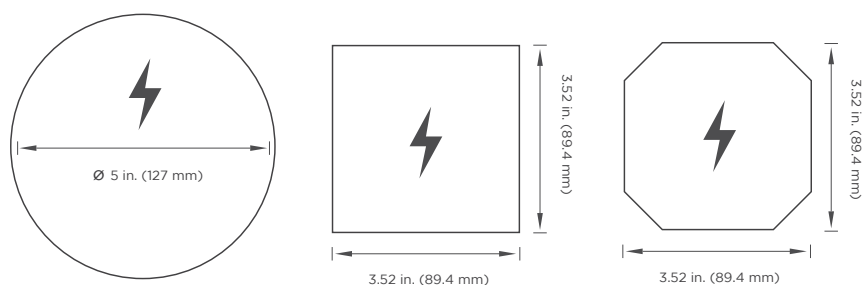| SPECIFICATIONS	NEON360				
Operating Voltage	24 V				
Power Consumption	4.8 W/ft (16 W/m)				
Beam Angle	360°				
Protection Rating	IP65				
Dimming	MLV / 0-10V / ELV / DALI / DMX				
Operating Temperature	-4° F to 140° F (-20° C to 60° C)				
Color Temperatures	2400K	2700K	3000K	3500K	4000K
Lumens	298.1 lm/ft (978 lm/m)	352.3 lm/ft (1155.9 lm/m)	378.2 lm/ft (1240.9 lm/m)	388.8 lm/ft (1275.7 lm/m)	389.8 lm/ft (1278.9 lm/m)
Efficacy	62.1 lm/W	73.4 lm/W	78.8 lm/W	81 lm/W	81.2 lm/W
Lamp Life	50,000 Hours				
Length	Up to 16 ft 4. in. (5 m)				
Cuttable Length	1.4 in. (35.71 mm) **NOT FIELD CUTTABLE**				
Minimum Bending Diameter	4.72 in. (120 mm)				
Suspension Cable Length	Standard suspension cables are 39.37 in. (1 m) long. Order custom suspension cables up to 16 ft 4.85 in. (5 m) or longer.				
CRI (Static White)	80+ CRI				

AVERAGE ILLUMINANCE @ 4000K

Flux out: 270.7 lm

Height	Eavg, Emax		Diameter
0.5m	344.7,698.51x		100cm
1.0m	86.17,174.61x		200cm
1.5m	38.30,77.621x		300cm
2.0m	21.54,43.661x		400cm
2.5m	13.79,27.941x		500cm
3.0m	9.575,19.401x		600cm
3.5m	7.035,14.261x		700cm
4.0m	5.386,10.911x		800cm
4.5m	4.256,8.6241x		900cm
5.0m	3.447,6.9851x		1000cm

Beam Angle: 90.00°

JUNCTION BOX MAXIMUM DIMENSIONS FOR CANOPY COVERING

Ø 5 in. (127 mm)

3.52 in. (89.4 mm)
3.52 in. (89.4 mm)

3.52 in. (89.4 mm)
3.52 in. (89.4 mm)

ACCESSORIES

Mounting Clip	Mounting Channel	End Cap	Coupler Kit
Part #: NL360MC	Part #: NL360CH	Part #: NL360CAP	Part #: NL360COUP

Ceiling Mounting Kit	Ceiling Mounting Kit with Clear Rigid Tube*	Vertical Suspended Mounting Kit	Vertical Suspended Mounting Kit with Clear Rigid Tube*
Part #: NL360CMNT	Part #: NL360CMNTPC	Part #: NL360VMNT	Part #: NL360VMNTPC
	* Clear Rigid Tube is to keep Neon360 in a straight line and is not bendable, and the max length is 78.7 in. (2 m).		* Clear Rigid Tube is to keep Neon360 in a straight line and is not bendable, and the max length is 78.7 in. (2 m).

Horizontal Suspended Mounting Kit with Clear Rigid Tube*	Horizontal Suspended Mounting Kit with Mounting Channel	Mounting Ring Kit with Steel Cable**	Canopy Kit
Part #: NL360HSUSPC	Part #: NL360HSUSCH	Part #: NL360HOOK	Part #: NL360CANOPY
* Clear Rigid Tube is to keep Neon360 in a straight line and is not bendable, and the max length is 78.7 in. (2 m).	**NOTE:** Neon360 fixtures can run up to 16.4 ft (5 m) long. Each section of mounting channel is a maximum of 6 ft 6.74 in. (2 m). Channel sections are pre-cut and pre-assembled. For complete fixtures longer than 6.74 in. (2 m), add the appropriate number of extra non-feed channel sections to reach desired length. Non-feed Part #: NL360HSUSCHNF	** To maintain a horizontal fixture, ring suspension points should be spaced every 15 in. (Canopy Kit not included)	

NOTE: Standard suspension cables are 39.37 in. (1 m) long. Order custom suspension cables up to 16 ft 4.85 in. (5 m) or longer.
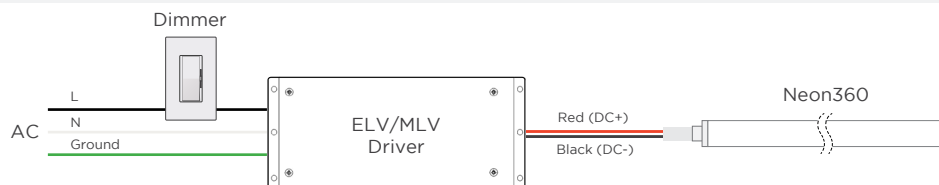
WIRING DIAGRAMS

0-10V

Dimmer

Purple (0-10+)
Pink (0-10-)

AC L N G

0-10V Driver

Red (DC+)
Black (DC-)

Neon360

MLV / ELV

Dimmer

AC L N Ground

ELV/MLV Driver

Red (DC+)
Black (DC-)

Neon360

DMX

5 Channel DMX Interface
Part #: DMXINFOLED5

DMX in

Neon360

Red +
Black -

Driver

L N G
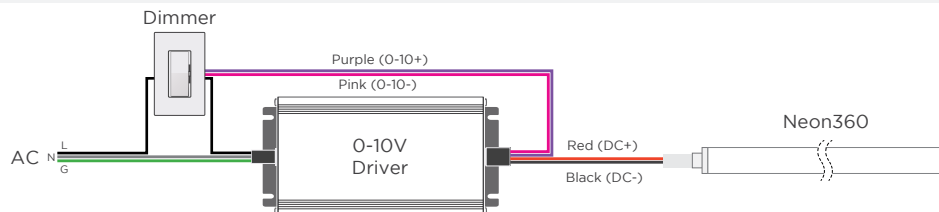
WIRE COLORS PER RIBBONLYTE COLOR

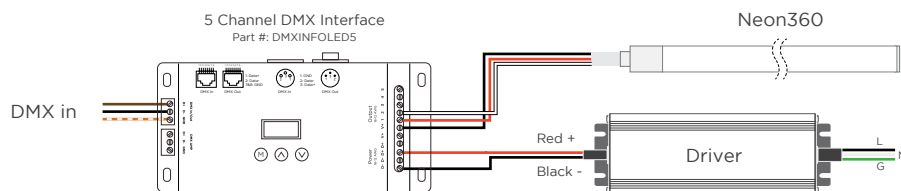**STATIC WHITE**
Red Wire (+) Positive
Black Wire (-) Negative

USAGE GUIDELINES

- Neon360 cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a voided warranty.

- When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces which are exposed to direct sunlight exceed the 60° C/140° F maximum that our product is rated for. High-risk locations like this should be avoided.

- This product is not intended to be submerged in pools and fountains and does not carry UL 676 certification to do so.

- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.

- For use with Acolyte drivers, triac dimming modules, and 0-10 modules.

- Use with non-Acolyte drivers is not supported or warrantied

- Due to the cuttable points inside, this product's cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, this product is factory cut at the shorter cuttable point

- This product can be used in wet, outdoor locations around swimming pools and spa tubs, but not submerged in swimming pools and spa tubs.

- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

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