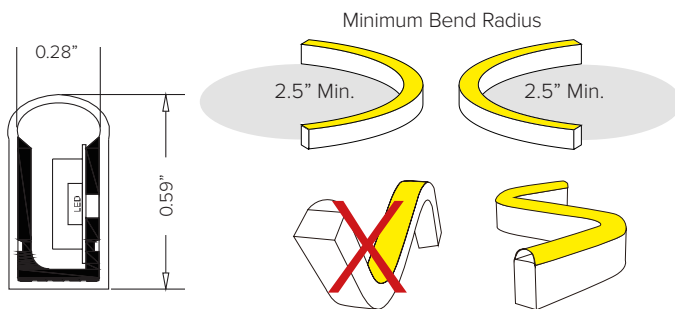# MINI DURAFLEX NEON™
IP65 OUTDOOR

KEY FEATURES

- MINI DURAFLEX NEON is a small part of an amazing family! Entirely extruded in high transmittance silicone, weather proof and impact resistant, it is suitable for creating particularly detailed patterns.

- MINI DURAFLEX NEON is a slim line of light with no LED dotting with a static colored frosted lens, corresponding with LED color for a saturated look. Perfect for use in both illuminated and non-illuminated signage elements and direct view applications.

- Extremely flexible and adjustable lengths for varied architectural applications, without cut limitations. Flexible enough to be able to create 2.5" minimum diameter curves .

- Leads and end caps are comprised of translucent white or matching color silicone allowing the light to pass through to be the same colour as the strip.

- Manufactured to specified lengths with factory attached end preps and various connector options for project requirements and efficient power configurations.

- Max continuous length: Up to 30' per run

- Multiple dimming options available.

No cut limitation · IP65 · RoHS · cULus Class 2

DETAILS

Wattage	2.7W/ft
Color Temp	3000K / 3500K / 4000K / Red 630nm / Green 530nm / Blue 470nm / Yellow 590nm / Orange 605nm / Cyan 490nm / Purple 390nm
Color Consistency	Advanced LED binning with +/- 2-step MacAdam Ellipses
CRI	+80 CRI
End Preps	Factory attached end preps available (See Page 2).
Field Cuts	Field cuttable at any length.
Mounting	Mounting clip or aluminum mounting channel options.
Lens Options	Extruded Silicone with Milky White or matching color diffusion lens with 120° visibility.
Installation	Factory manufactured lengths with 12" IP66 connection lead with 12" power feed. To be completed with clip or channel mountings. Minimum bend diameter 2.5in.
Power Supply	Listed Class 2 output, 24V DC power supply required
Certifications	cULus Class 2 Listed Tested in accordance with LM-79-08 Energy efficient for California installations.
Compliance	ROHS compliant
Warranty	5 year warranty

DIMENSIONAL DRAWINGS

Minimum Bend Radius

0.28"
0.59"
2.5" Min.
2.5" Min.

Translucent Silicone End Caps

FIXTURE DATA

Model	Efficacy* Lm/Wt	Lm/Ft (2.7W/FT)
3000°K	26	70
3500°K	26	70
4000°K	28	76

* Meets Title 24 High efficacy rating.

LED DATA

Model	Viewing Angle	Lifespan at 90% drive
2.7W/ft	120°	50,000hrs

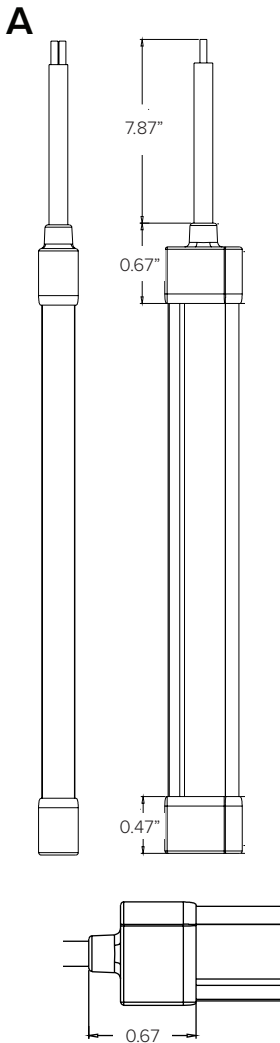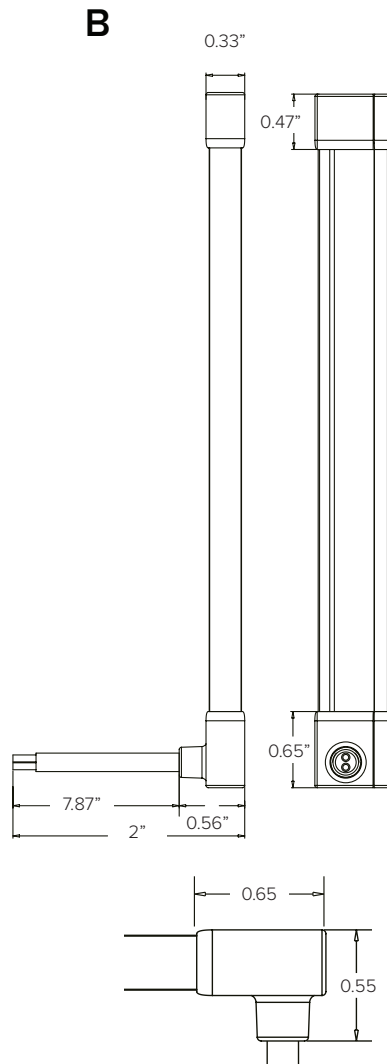* LEDs operating at 90% of LED manufacturers maximum current rating.

PRODUCT CODE	PROFILE	WATTAGE	IP RATING	COLOR TEMP	VOLTAGE	+	END PREP	+	MOUNTING	+	POWER SUPPLY
DFN — DuraFlex Neon™	**M** — Mini	**27** — 2.7W/ft	**O** — Outdoor IP65	**30** — 3000K	**24** — 24 VDC						
				35 — 3500K							
				40 — 4000K							
				RD — Red 630nm							
				GR — Green 530nm							
				BL — Blue 470nm							
				YL — Yellow 590nm							
				OR — Orange 605nm							
				CN — Cyan 490nm							
				PR — Purple 390nm							

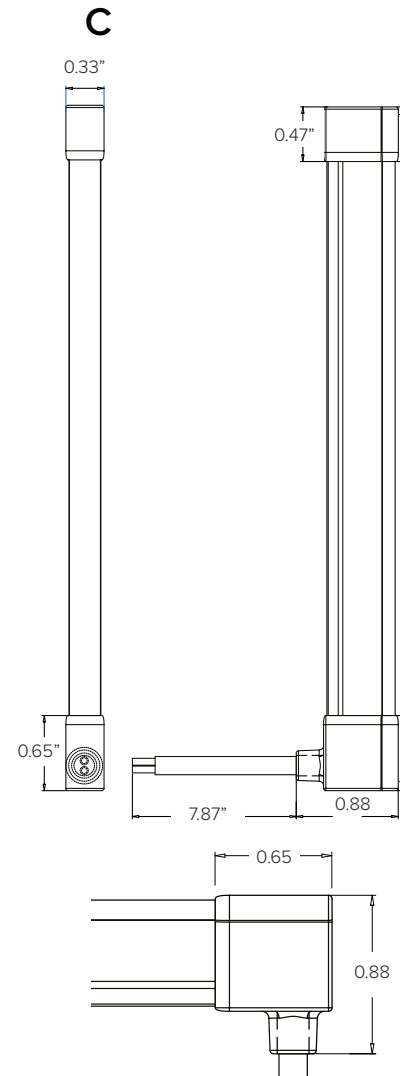## END PREPS AND CONNECTORS (REQUIRED) - Choose 1

A

B

C

Mini DuraFlex Neon straight end feed kit. Factory attached translucent silicone single lead wire prep. 7.87" Lead wire/dead end allows for connection to power at lead end and field trim of DuraFlex product at the other end. Completed with translucent silicone factory attached end cap.

○ **KT11UVL1**
🔴 **KT11UVRDLL1**
🟢 **KT11UVVRL1**
🟡 **KT11UVGLL1**
🟠 **KT11UVORL1**
🔵 **KT11UVBLL1**
🔵 **KT11UVCYL1**
🟣 **KT11UVPUL1**

Mini DuraFlex Neon side feed kit. Factory attached translucent silicone single lead wire prep. 7.87" Lead wire/dead end allows for connection to power at lead end and field trim of DuraFlex product at the other end. Completed with translucent silicone factory attached end cap.

○ **KT11UVL2**
🔴 **KT11UVRDL2**
🟢 **KT11UVVRL2**
🟡 **KT11UVGLL2**
🟠 **KT11UVORL2**
🔵 **KT11UVBLL2**
🔵 **KT11UVCYL2**
🟣 **KT11UVPUL2**

Mini DuraFlex Neon bottom feed kit. Factory attached translucent silicone single lead wire prep. 7.87" Lead wire/dead end allows for connection to power at lead end and field trim of DuraFlex product at the other end. Completed with translucent silicone factory attached end cap.

○ **KT11UVL3**
🔴 **KT11UVRDL3**
🟢 **KT11UVVRL3**
🟡 **KT11UVGLL3**
🟠 **KT11UVORL3**
🔵 **KT11UVBLL3**
🔵 **KT11UVCYL3**
🟣 **KT11UVPUL3**

MOUNTING ACCESSORIES

KT11UVC1

KT11UVC1
Bottom fixing clips. Includes 5 clips and 5 screws.

Power Supply (REQUIRED)	Type	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DMLE301242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	30W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE601242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	60W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	4.47" X 6.79" X 1.38"
DMLE961242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	96W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	5.16" X 7.73" X 1.54"
DMLE1922242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	2X96W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DMLE2882242UD	EMCOD MLE-UD ELECTRONIC DRIVER WITH WIRING COMPARTMENT.	3X96W	120-277V / 24V	FWD / REV PHASE / TRIAC / 0-10V / PWM	NEMA3R ENCLOSURE	UL CLASS 2	5.04" X 10.94" X 1.81"
DEL60PWM	ELECTRONIC PWM DRIVER STANDALONE, **UL LISTED ENCLOSURE PROVIDED BY OTHERS**	60W	120-277V / 24V	0-10V/PWM 10%	IP67	UR CLASS 2	5.9" X 2.09" X 1.38"
DELI601241CPWM	ELECTRONIC PWM DRIVER	60W	120-277V / 24V	0-10V/PWM 10%	NEMA1 ENCLOSURE	UL CLASS 2	10" x 10" x 4"[1]
DEL90PWM	ELECTRONIC PWM DRIVER STANDALONE, **UL LISTED ENCLOSURE PROVIDED BY OTHERS**	90W	120-277V / 24V	0-10V/PWM 10%	IP67	UR CLASS 2	6.73" X 2.48" X 1.48"
DELI901241CPWM	ELECTRONIC PWM DRIVER	90W	120-277V / 24V	0-10V/PWM 10%	NEMA1 ENCLOSURE	UL CLASS 2	10" x 10" x 4"[1]
DELI1802242CPWM	ELECTRONIC PWM DRIVER	2X90W	120-277V / 24V	0-10V/PWM 10%	NEMA1 ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]
DELI2703243CPWM	ELECTRONIC PWM DRIVER	3X90W	120-277V / 24V	0-10V/PWM 10%	NEMA1 ENCLOSURE	UL CLASS 2	12" x 12" x 4"[1]
DMLV40124D	MAGNETIC LOW VOLTAGE TRANSFORMER	40W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59"[1]
DMLV60124D	MAGNETIC LOW VOLTAGE TRANSFORMER	60W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59"[1]
DMLV96124D	MAGNETIC LOW VOLTAGE TRANSFORMER	96W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59"[1]
PS060	LUTRON HI-LUME PREMIER 0.1% CONSTANT VOLTAGE DRIVER WITH UL LISTED ENCLOSURE	96W	UNIVERSAL 120-277 VAC	HI-LUM DIMMABLE 0.1%	IP20/NOM CERTIFIED	UL CLASS 2	10.5" x 5.5" x 2"[1]

[1] Dimensions include enclosure with mounting bracket.
* Constant voltage drivers 50/60HZ, voltage regulated with short circuit protection. Operating temperature -40 C- 80° C
* Installation of power supply must be compliant to Class 2 installation standards. Refer to NEC and local building code requirements.
* Consult factory for additional driver options (ie: DMX, DALI, wattage, size, shape, Lutron, ELDO, or others).

MAXIMUM INTERCONNECTED TAPE LENGTH PER DRIVER

Fixture Wattage	Driver Wattage					
	40W	60W	96W	90W	2X90W	3X90W
2.7W/ft	12FT	18FT	30FT	27FT	(2) 27FT	(3) 27FT

Power Supply (REQUIRED)	Type	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DMLV40124D	MAGNETIC LOW VOLTAGE TRANSFORMER	40W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59"[1]
DMLV60124D	MAGNETIC LOW VOLTAGE TRANSFORMER	60W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59"[1]
DMLV96124D	MAGNETIC LOW VOLTAGE TRANSFORMER	96W	120V / 24V	MLV DIMMING < 1%	NEMA3R ENCLOSURE	UL CLASS 2	8.13" x 3.93" x 1.59"[1]
PS060	LUTRON HI-LUME PREMIER 0.1% CONSTANT VOLTAGE DRIVER WITH UL LISTED ENCLOSURE	96W	UNIVERSAL 120-277 VAC	HI-LUM DIMMABLE 0.1%	IP20/NOM CERTIFIED	UL CLASS 2	10.5" x 5.5" x 2"[1]

[1] Dimensions include enclosure with mounting bracket.
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