

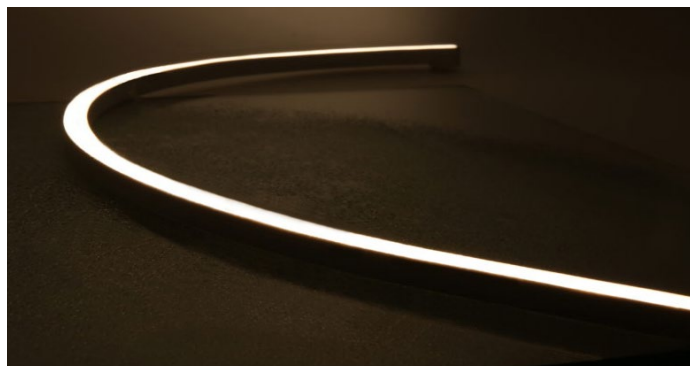
# LNT-45WD

## 4W WARM-DIM FLEXIBLE NEON SERIES

**LNT-45WD** is a WARM-DIM high-performance flexible LED strip designed as a neon replacement. Suitable for indoor and outdoor applications, the LNT45WD automatically shifts color temperatures from 30K down to 18K as it is being dimmed. It easily bends around contours and tight curves without being damaged.

### SPECIFICATIONS

|                       |                                        |
|-----------------------|----------------------------------------|
| INPUT VOLTAGE         | 24V DC Constant Voltage                |
| POWER CONSUMPTION     | 4W per Ft.                             |
| LUMEN OUTPUT          | 104Lm/ Ft. (Flat)   134 Lm/ Ft. (Dome) |
| CRI                   | 90                                     |
| DIMMING/ CONTROL      | MLV, ELV, 0-10 and TRIAC               |
| MAXIMUM RUN LENGTH    | 29 Ft.                                 |
| MINIMUM RUN LENGTH    | 6.56 in.                               |
| CUT INTERVALS         | Every 83.3mm (3.28 in)                 |
| POWER FACTOR          | ≤ 1                                    |
| STORAGE TEMPERATURE   | -40°F (-40°C) to 140°F (60°C)          |
| OPERATING TEMPERATURE | -40°F (-40°C) to 131°F (55°C)          |
| BEAM ANGLE            | 111.4° (Flat)   270° (Dome)            |
| HUMIDITY              | 0-95% Non Condensing                   |
| IP RATING             | IP67/ IP68                             |
| CERTIFICATIONS        | UL Listed                              |
| LUMEN MAINTENANCE     | 50,000 Hrs.                            |



### FEATURES

- Auto warm-dim technology
- Smooth illumination
- Bottom, Side & End Feed options
- Continuous run length up to 29 Ft.
- Dimmable with CORE dimmable drivers
- Bottom, Side and End Feed options
- UL Listed (US and Canada)

\*This product is factory-cut only. Do not field modify.

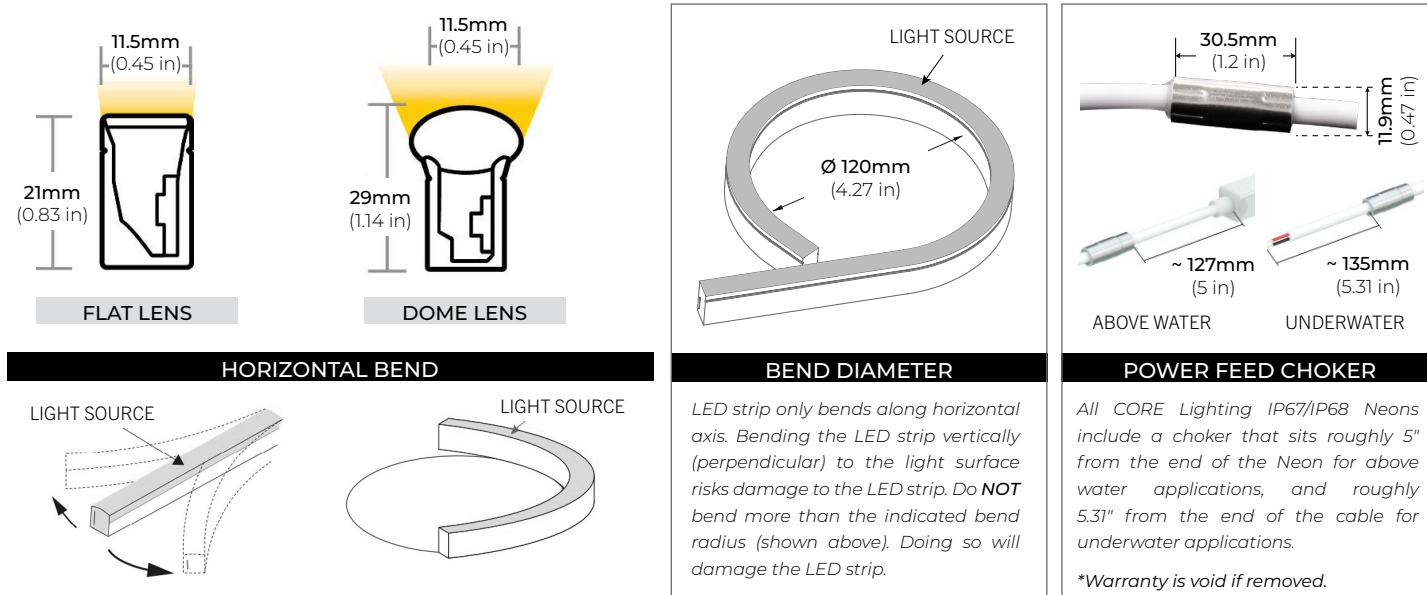


| MODEL                                | LENS                       | COLOR TEMP              | LENGTH                                                  | VOLT         | INPUT                     | FEED LENGTH               | OUTPUT                    | FEED LENGTH*              |
|--------------------------------------|----------------------------|-------------------------|---------------------------------------------------------|--------------|---------------------------|---------------------------|---------------------------|---------------------------|
| LNT-45                               | F<br>Flat<br><br>D<br>Dome | 18/30K<br>1800K / 3000K | Please refer to<br>page 5 for exact<br>cutting lengths. | 24<br>24V DC | BF<br>Bottom<br>Feed      | HW3<br>3 Ft. Power Feed   | BF<br>Bottom<br>Feed      | HW3<br>3 Ft. Power Feed   |
|                                      |                            |                         |                                                         |              | SFL<br>Side Feed<br>Left  | HW10<br>10 Ft. Power Feed | SFL<br>Side Feed<br>Left  | HW10<br>10 Ft. Power Feed |
|                                      |                            |                         |                                                         |              | SFR<br>Side Feed<br>Right | HW16<br>16 Ft. Power Feed | SFR<br>Side Feed<br>Right | HW16<br>16 Ft. Power Feed |
|                                      |                            |                         |                                                         |              | EF<br>End Feed            | HW32<br>32 Ft. Power Feed | EF<br>End Feed            | HW32<br>32 Ft. Power Feed |
|                                      |                            |                         |                                                         |              |                           | HW50<br>50 Ft. Power Feed | EC<br>End Cap             | HW50<br>50 Ft. Power Feed |
| *Not compatible with<br>End Cap (EC) |                            |                         |                                                         |              |                           |                           |                           |                           |

# LNT-45WD

## 4W WARM-DIM FLEXIBLE NEON SERIES

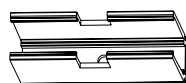
### DIMENSIONS



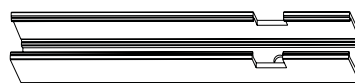
### COMPATIBLE ACCESSORIES

#### SELF LOCKING ALUMINUM PROFILE

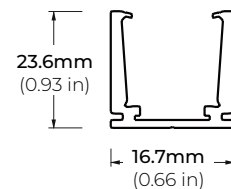
LNT45-AC2  
2" PROFILE



LNT45-AC2

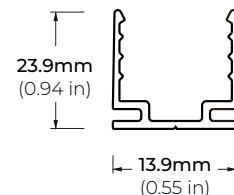


LNT45-AC39



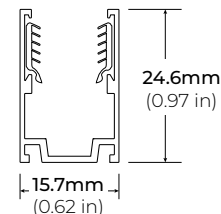
#### PLASTIC PROFILE

LNT45-PC39  
39" PROFILE



#### FLEXIBLE ALUMINUM CHANNEL

LNT45-AFX  
39" CHANNEL



# LNT-45WD

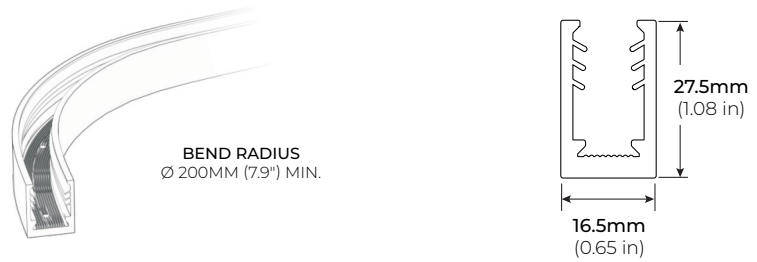
## 4W WARM-DIM FLEXIBLE NEON SERIES

### COMPATIBLE ACCESSORIES

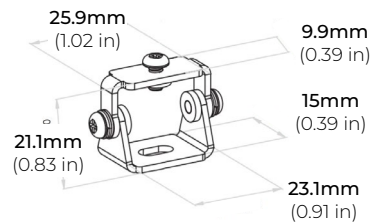
#### FLEXIBLE PROFILE

LNT45-SPX39-WH  
39" PROFILE (WHITE)

LNT45-SPX39-BK  
39" PROFILE (BLACK)



LNT45-BKT-ADJ  
ADJUSTABLE BRACKET



#### RACEWAY PROFILE

LNT45-SMR-AC39-SI  
39" PROFILE (SILVER)

LNT45-SMR-AC39-WH  
39" PROFILE (WHITE)

\*Made to Order.

LNT45-SMR-AC39-BK  
39" PROFILE (BLACK)

\*Made to Order.

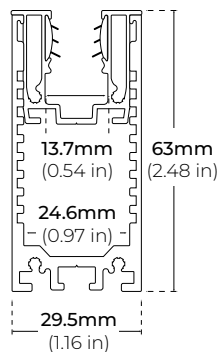
LNT45-SMR-EC  
END CAPS

\* Set of 2 (1 with Hole and 1 without Hole)

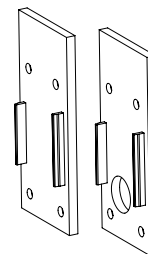
\* Sold Separately

LNT45-SMR-SC  
JOINER BRACKET

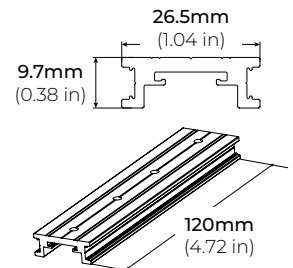
\* Sold Separately



LNT45-SMR-AC39



LNT45-SMR-EC

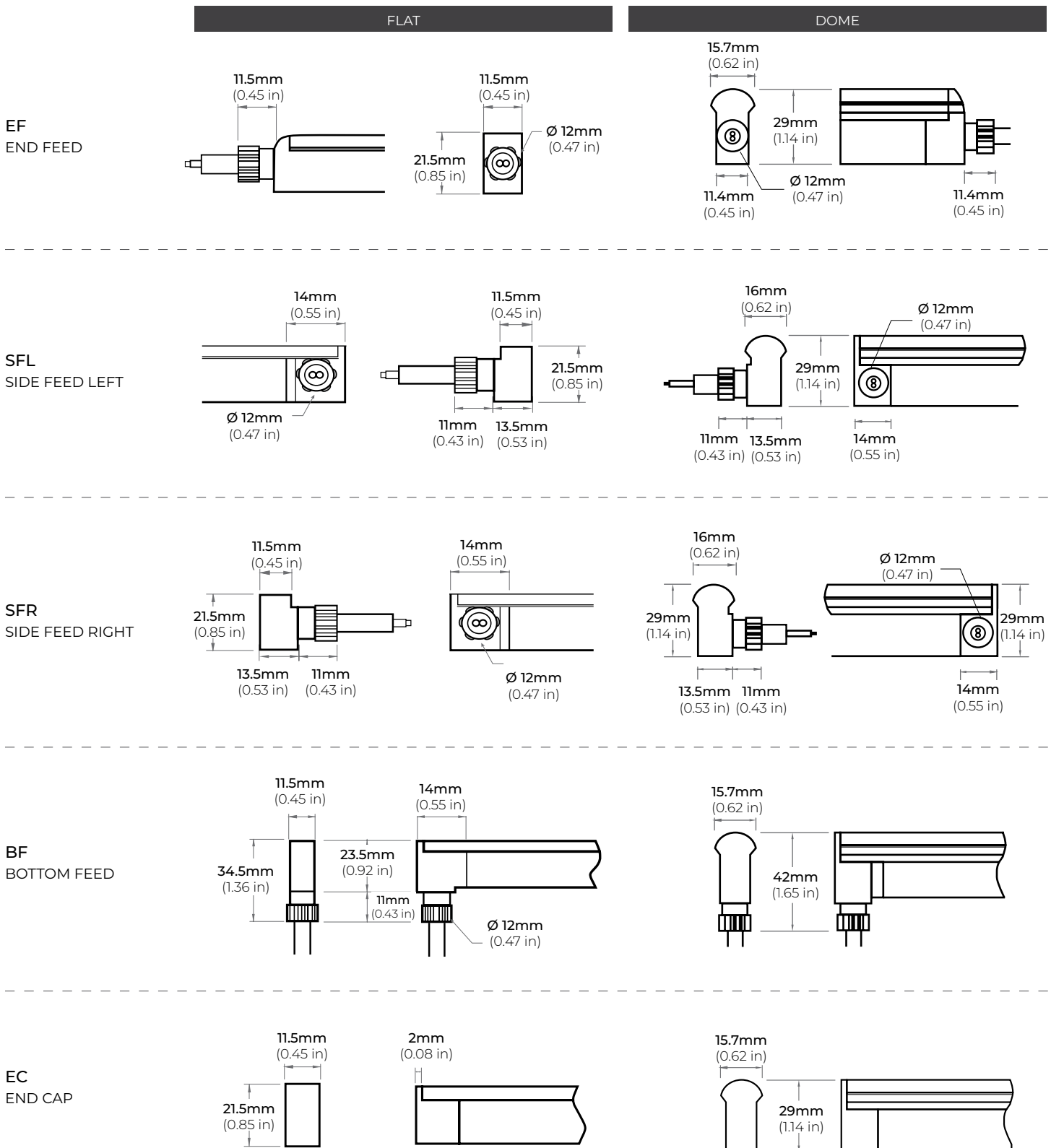


LNT45-SMR-JB

# LNT-45WD

## 4W WARM-DIM FLEXIBLE NEON SERIES

### IP67/68 POWER FEED



# LNT-45WD

## 4W WARM-DIM FLEXIBLE NEON SERIES

### CUTTING LENGTHS

LNT-45 WD is cuttable every **3.28" (8.33CM)**. Please refer to the chart below to determine actual lengths once LED is cut versus actual lengths required or specified.

Total Length Calculation = LNT Neon Series Length + End Feed option Length

**Example: 50.3" Total Length = LNT Neon Series (49.2") + (1.1") End Feed**

\* Minimum Run Length is 6.56".

| POWER FEED OPTION |       |
|-------------------|-------|
| END FEED          | 1.1"  |
| BOTTOM FEED       | 0.20" |
| SIDE FEED         | 0.20" |

### CUTTING LENGTH INCREMENT TABLE

| LENGTH<br>(IN) | LENGTH<br>(IN) | LENGTH<br>(IN) |
|----------------|----------------|----------------|
| 6.56           | 137.76         | 268.96         |
| 9.84           | 141.04         | 272.24         |
| 13.12          | 144.32         | 275.52         |
| 16.4           | 147.6          | 278.8          |
| 19.68          | 150.88         | 282.08         |
| 22.96          | 154.16         | 285.36         |
| 26.24          | 157.44         | 288.64         |
| 29.52          | 160.72         | 291.92         |
| 32.8           | 164            | 295.2          |
| 36.08          | 167.28         | 298.48         |
| 39.36          | 170.56         | 301.76         |
| 42.64          | 173.84         | 305.04         |
| 45.92          | 177.12         | 308.32         |
| 49.2           | 180.4          | 311.6          |
| 52.48          | 183.68         | 314.88         |
| 55.76          | 186.96         | 318.16         |
| 59.04          | 190.24         | 321.44         |
| 62.32          | 193.52         | 324.72         |
| 65.6           | 196.8          | 328            |
| 68.88          | 200.08         | 331.28         |
| 72.16          | 203.36         | 334.56         |
| 75.44          | 206.64         | 337.84         |
| 78.72          | 209.92         | 341.12         |
| 82             | 213.2          | 344.4          |
| 85.28          | 216.48         | 347.68         |
| 88.56          | 219.76         |                |
| 91.84          | 223.04         |                |
| 95.12          | 226.32         |                |
| 98.4           | 229.6          |                |
| 101.68         | 232.88         |                |
| 104.96         | 236.16         |                |
| 108.24         | 239.44         |                |
| 111.52         | 242.72         |                |
| 114.8          | 246            |                |
| 118.08         | 249.28         |                |
| 121.36         | 252.56         |                |
| 124.64         | 255.84         |                |
| 127.92         | 259.12         |                |
| 131.2          | 262.4          |                |
| 134.48         | 265.68         |                |

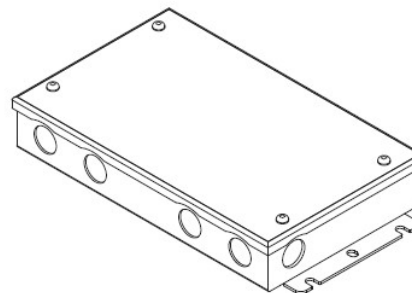
# LNT-45WD

## 4W WARM-DIM FLEXIBLE NEON SERIES

### COMPATIBLE TRANSFORMERS

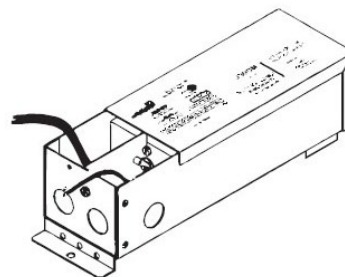
#### PSDL SERIES TRIAC DIMMABLE

|               |         |                        |
|---------------|---------|------------------------|
| PSDL-30W-24V  | CLASS 2 | 6.5" X 3.63" X 1.03"   |
| PSDL-60W-24V  | CLASS 2 | 7.4" X 3.63" X 1.03"   |
| PSDL-96W-24V  | CLASS 2 | 8.67" X 3.67 X 1.62"   |
| PSDL-150W-24V |         | 8.67" X 3.67" X 1.62"  |
| PSDL-192W-24V | CLASS 2 | 10.25" X 4.06" X 1.82" |
| PSDL-200W-24V |         | 10.25" X 4.06" X 1.82" |
| PSDL-288W-24V | CLASS 2 | 10.25" X 4.06" X 1.82" |
| PSDL-300W-24V |         | 10.25" X 4.06" X 1.82" |



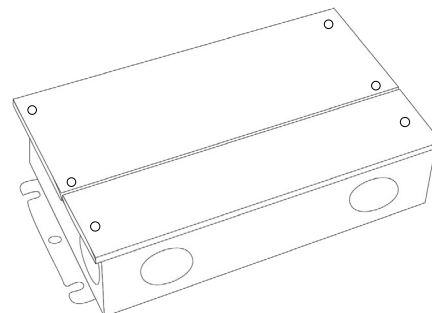
#### PSDH SERIES HIGH PERFORMANCE MAGNETIC LOW VOLTAGE (MLV)

|              |         |                        |
|--------------|---------|------------------------|
| PSDH-48W-24V | CLASS 2 | 11.25" X 3.37" X 3.25" |
| PSDH-96W-24V | CLASS 2 | 11.25" X 3.37" X 3.25" |



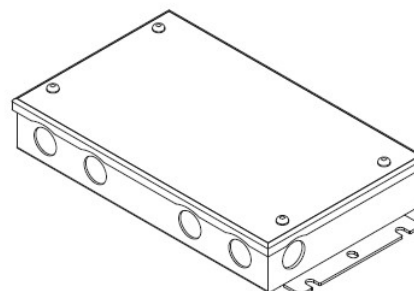
#### PSRX SERIES 4-IN-1 DIMMING DRIVER

|               |         |                        |
|---------------|---------|------------------------|
| PSRX-30W-24V  | CLASS 2 | 6.5" X 3.72" X 1.57"   |
| PSRX-60W-24V  | CLASS 2 | 7.4" X 3.72" X 1.57"   |
| PSRX-96W-24V  | CLASS 2 | 8.66" X 3.72" X 1.57"  |
| PSRX-150W-24V |         | 10.24" X 4.13" X 1.77" |
| PSRX-192W-24V | CLASS 2 | 11" X 4" X 1.82"       |
| PSRX-200W-24V |         | 10.24" X 4.13" X 1.77" |
| PSRX-288W-24V | CLASS 2 | 11.85" X 4.25" X 1.82" |
| PSRX-300W-24V |         | 10.94" X 4.33" X 1.77" |



#### PSVT SERIES 0-10V DIMMING DRIVER

|               |         |                        |
|---------------|---------|------------------------|
| PSVT-60W-24V  | CLASS 2 | 7.4" X 3.72" X 1.57"   |
| PSVT-96W-24V  | CLASS 2 | 8.66" X 3.72" X 1.57"  |
| PSVT-200W-24V |         | 10.24" X 4.13" X 1.77" |
| PSVT-288W-24V | CLASS 2 | 11.85" X 4.25" X 1.81" |
| PSVT-300W-24V |         | 10.94" X 4.33" X 1.77" |



# LNT-45WD

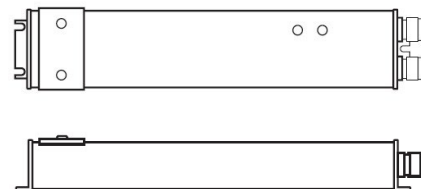
## 4W WARM-DIM FLEXIBLE NEON SERIES

### COMPATIBLE TRANSFORMERS

#### PSDE SERIES

0-10V DIMMING W/ JUNCTION BOX

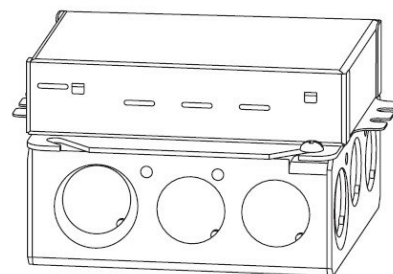
|                     |         |                      |
|---------------------|---------|----------------------|
| PSDE-60W-24V-010-JB | CLASS 2 | 12.1" X 2.36" X 1.4" |
| PSDE-96W-24V-010-JB | CLASS 2 | 12.1" X 2.36" X 1.4" |



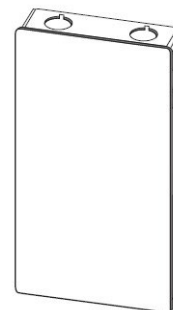
#### LUTRON 1%

3-WIRE DIMMING

|                  |         |                    |
|------------------|---------|--------------------|
| L3DA4U1UKL-CV240 | CLASS 2 | 4.89" X 4" X 2.62" |
|------------------|---------|--------------------|



|                  |         |                     |
|------------------|---------|---------------------|
| PSDE-96W-24V-ECO | CLASS 2 | 10.5" X 3.0" X 2.0" |
|------------------|---------|---------------------|



### COMPATIBLE NON-DIMMING DRIVERS

#### PSHK SERIES

NON-DIMMING CONSTANT VOLTAGE WITH JUNCTION BOX

|               |         |                        |
|---------------|---------|------------------------|
| PSHK-30W-24V  | CLASS 2 | 6.5" X 3.6" X 1.02"    |
| PSHK-60W-24V  | CLASS 2 | 7.4" X 3.62" X 1.02"   |
| PSHK-96W-24V  | CLASS 2 | 8.66" X 3.66" X 1.61"  |
| PSHK-150W-24V |         | 10.24" X 4.06" X 1.81" |
| PSHK-200W-24V |         | 10.24" X 4.06" X 1.81" |
| PSHK-288W-24V | CLASS 2 | 11.85" X 4.25" X 1.82" |
| PSHK-300W-24V |         | 10.24" X 4.25" X 1.81" |

