

tapTronic™

## LEDVANCE NFC LED Drivers

### Programmable Constant Current Dimmable Compact, Linear and Outdoor Type

Field-Programmable, Near-Field Communication (NFC) LED Drivers. This family covers linear, compact, and outdoor drivers. These drivers are available in the industry's most desirable wattages. Our programming software app can be downloaded in seconds on any smartphone. The programming is easy and simple to follow.

#### Applications

##### Compact

Pendants  
Home and décor  
Spotlights  
Downlights

##### Linear

Wall and ceiling  
Surface-mounted  
Suspended  
luminaires  
Recessed

##### Outdoor

Area lights  
Industrial highbays  
Wall packs  
Décor landscape  
Cobraheads  
Bollards  
Hazardous locations

#### Benefits and Features

- Field-programmable via free app
- Programming does not require driver to be powered up
- Quick and easy output customization:
  - Current
  - Dim to off – dim range %
  - Constant lumen output
  - Soft start
  - End of life
  - Thermal protection
- Compact: 25W and 40W both F-can and J-can housing style
- Linear: 120-277V, 120-347V models
- Outdoor: 120-277V, 347V-480V models

#### Warranty

- 5-year
- NLB Trusted Warranty Program



#### Unique selling points

- Field-programmable – your installers will thank you
- Near-field communication interface
- LEDVANCE's own tapTronic software
- Large programmable range from each driver, ideal when consolidating your on-hand inventory from in-house or in a service truck. Customize their output in seconds

#### Product Ratings

- Compliant to 47 CFR, Part 15 Class A
- cUL class P
- UL Class 2 output for safety (Compact/Linear)
- RoHs
- FCC
- TAA (Linear 120-277V only)
- Compliant with CA T-24 requirement for flicker and startup time

#### Download tapTronic Software App



|             |      |
|-------------|------|
| Catalog #   | Type |
| Project     |      |
| Comments    |      |
| Prepared by |      |

## Ordering Guide

| LEDrv                        | XX                                                                                                                 | XXX                                                                      | X                                                    | XXX0                                                                                                                                        | DIMX                                                    | AUX12                           | P6                    | NFC                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------|-----------------------|----------------------------|
| LEDVANCE Driver<br>tapTronic | Output wattage<br>25 = 25W<br>36 = 36W<br>40 = 40W<br>55 = 55W<br>85 = 85W<br>88 = 88W<br>100 = 100W<br>180 = 180W | Input Voltage<br>120-277<br>UNV=120-227V<br>UNH=120-347V<br>HUV=347-480V | Type<br>C = Compact<br>L = Linear<br>Blank = Outdoor | Output Current (Max)<br>1000 = 1000mA<br>1050 = 1050mA<br>1250 = 1250mA<br>1300 = 1300mA<br>1400 = 1400mA<br>2300 = 2300mA<br>2400 = 2400mA | 0-10V Dimming<br>DIM = 10% dimming<br>DIM1 = 1% dimming | Auxiliary Output<br>AUX12 = 12V | P6= IP66<br>(Outdoor) | Near-Field<br>Programmable |

## Ordering Information

| Item Number    | Ordering Abbreviation        | Total Output Power (W) | Output Current Range (Programmable) | Default Current | Output Voltage Range (Voc) | Dimming Control | Dimming Range | Aux     | Line Transient           |
|----------------|------------------------------|------------------------|-------------------------------------|-----------------|----------------------------|-----------------|---------------|---------|--------------------------|
| <b>Compact</b> |                              |                        |                                     |                 |                            |                 |               |         |                          |
| 75850          | LEDrv25UNVC1250DIM1AUX12NFC  | 25                     | 150-1250mA                          | 500mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75851          | LEDrv25UNVC1250DIM1JAUX12NFC | 25                     | 150-1250mA                          | 500mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75852          | LEDrv40UNVC1400DIM1AUX12NFC  | 40                     | 400-1400mA                          | 700mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75853          | LEDrv40UNVC1400DIM1JAUX12NFC | 40                     | 400-1400mA                          | 700mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| <b>Linear</b>  |                              |                        |                                     |                 |                            |                 |               |         |                          |
| 75856          | LEDrv36UNVL1000DIM1AUX12NFC  | 36                     | 100-1000mA                          | 500mA           | 20-48                      | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75857          | LEDrv55UNVL1300DIM1AUX12NFC  | 55                     | 130-1300mA                          | 700mA           | 20-48                      | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75858          | LEDrv88UNVL2400DIM1AUX12NFC  | 88                     | 240-2400mA                          | 1400mA          | 24-48                      | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75896          | LEDrv30UNHL1050DIM1AUXNFC    | 30                     | 105-1050mA                          | 105mA           | 8-55                       | 0-10V           | 1-100%        | 12, 24V | ANSI C62.41 Cat. A 2.5kV |
| 75897          | LEDrv50UNHL1400DIM1AUXNFC    | 50                     | 140-1400mA                          | 140mA           | 8-55                       | 0-10V           | 1-100%        | 12, 24V | ANSI C62.41 Cat. A 2.5kV |
| 75898          | LEDrv85UNHL2300DIM1AUXNFC    | 85                     | 230-2300mA                          | 230mA           | 8-55                       | 0-10V           | 1-100%        | 12, 24V | ANSI C62.41 Cat. B 6kV   |
| <b>Outdoor</b> |                              |                        |                                     |                 |                            |                 |               |         |                          |
| 75854          | LEDrv100UNV1250DIMAUX12P6NFC | 100                    | 350-1250mA                          | 350mA           | 50-185                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |
| 75855          | LEDrv180UNV1250DIMAUX12P6NFC | 180                    | 350-1250mA                          | 350mA           | 70-280                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |
| 75887          | LEDrv100HUV1250DIMAUX12P6NFC | 100                    | 350-1250mA                          | 350mA           | 50-185                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |
| 75888          | LEDrv180HUV1250DIMAUX12P6NFC | 180                    | 350-1250mA                          | 350mA           | 70-280                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |

## Electrical Specifications

| Item Number    | Ordering Abbreviation        | Max. Output Power (W) | Input Voltage (Vac) | Frequency | Power Factor | THD  | Efficiency | Environmental Rating | UL File # |
|----------------|------------------------------|-----------------------|---------------------|-----------|--------------|------|------------|----------------------|-----------|
| <b>Compact</b> |                              |                       |                     |           |              |      |            |                      |           |
| 75850          | LEDrv25UNVC1250DIM1AUX12NFC  | 25                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75851          | LEDrv25UNVC1250DIM1JAUX12NFC | 25                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75852          | LEDrv40UNVC1400DIM1AUX12NFC  | 40                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75853          | LEDrv40UNVC1400DIM1JAUX12NFC | 40                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| <b>Linear</b>  |                              |                       |                     |           |              |      |            |                      |           |
| 75856          | LEDrv36UNVL1000DIM1AUX12NFC  | 36                    | 120-277             | 50/60Hz   | >0.9         | <20% | >86%       | Dry & Damp (IP20)    | E495305   |
| 75857          | LEDrv55UNVL1300DIM1AUX12NFC  | 55                    | 120-277             | 50/60Hz   | >0.9         | <20% | >86%       | Dry & Damp (IP20)    | E495305   |
| 75858          | LEDrv88UNVL2400DIM1AUX12NFC  | 88                    | 120-277             | 50/60Hz   | >0.9         | <20% | >86%       | Dry & Damp (IP20)    | E495305   |
| 75896          | LEDrv30UNHL1050DIM1AUXNFC    | 30                    | 120-347             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75897          | LEDrv50UNHL1400DIM1AUXNFC    | 50                    | 120-347             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75898          | LEDrv85UNHL2300DIM1AUXNFC    | 85                    | 120-347             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| <b>Outdoor</b> |                              |                       |                     |           |              |      |            |                      |           |
| 75854          | LEDrv100UNV1250DIMAUX12P6NFC | 100                   | 120-277             | 50/60Hz   | >0.9         | <10% | >91%       | Damp & Wet (IP66)    | E495305   |
| 75855          | LEDrv180UNV1250DIMAUX12P6NFC | 180                   | 120-277             | 50/60Hz   | >0.9         | <10% | >91%       | Damp & Wet (IP66)    | E495305   |
| 75887          | LEDrv100HUV1250DIMAUX12P6NFC | 100                   | 347-480             | 50/60Hz   | >0.9         | <20% | >91%       | Damp & Wet (IP66)    | E495305   |
| 75888          | LEDrv180HUV1250DIMAUX12P6NFC | 180                   | 347-480             | 50/60Hz   | >0.9         | <20% | >91%       | Damp & Wet (IP66)    | E495305   |

## Operating Temperatures

| Parameter                                             | Compact            | Outdoor            | Linear             |
|-------------------------------------------------------|--------------------|--------------------|--------------------|
| Maximum Case Temperature (Tc point)                   | 90°C Max (50kHrs)  | 90°C Max (50kHrs)  | 90°C Max (50kHrs)  |
| Maximum Case Temperature for 5 year life and warranty | ≤80°C              | ≤85°C              | ≤80°C              |
| Ambient Operating Temperature                         | -30°C to 50°C      | -40°C to 50°C      | -30°C to 50°C      |
| Maximum Storage Temperature                           | 75°C               | 70°C               | 85°C               |
| Maximum Relative Humidity                             | 85% non-condensing | 95% non-condensing | 90% non-condensing |

## Dimmer Compatibility

| Dimmer  | Dimmer Type | Model    |
|---------|-------------|----------|
| Leviton | 0-10V       | DS710    |
| Leviton | 0-10V       | IP710    |
| Lutron  | 0-10V       | NTSTV-DV |
| Lutron  | 0-10V       | NFTV     |
| Lutron  | 0-10V       | DVTV-WH  |
| Legrand | 0-10V       | H4FBL3PW |

## NFC LED Driver Support

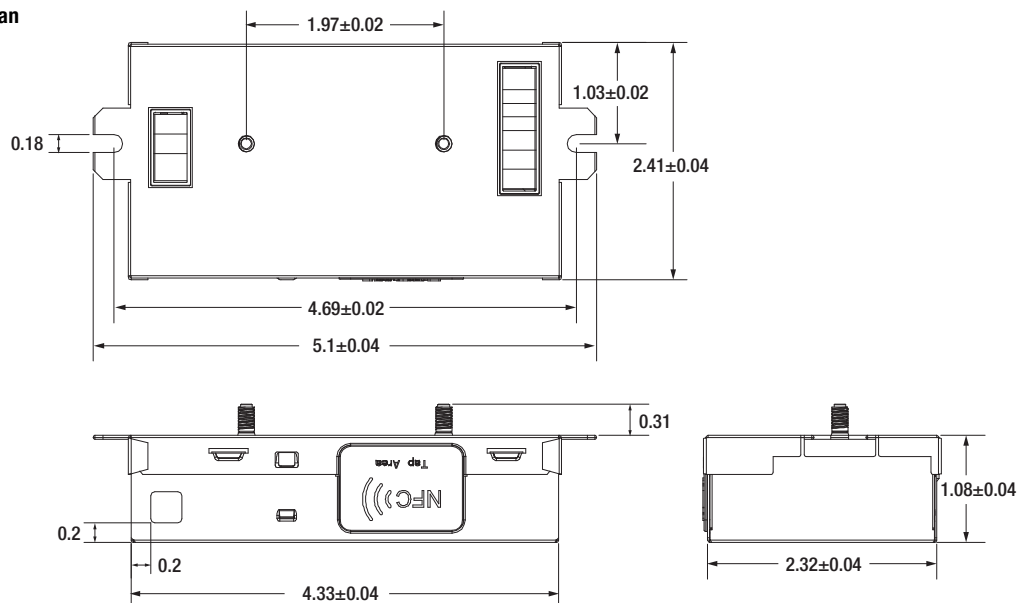
|                             |                                |
|-----------------------------|--------------------------------|
| Software for configuration  | tapTronic                      |
| Programming Tool            | via Smartphone APP             |
| Interface for data transfer | Near-Field Communication (NFC) |

## Physical Information

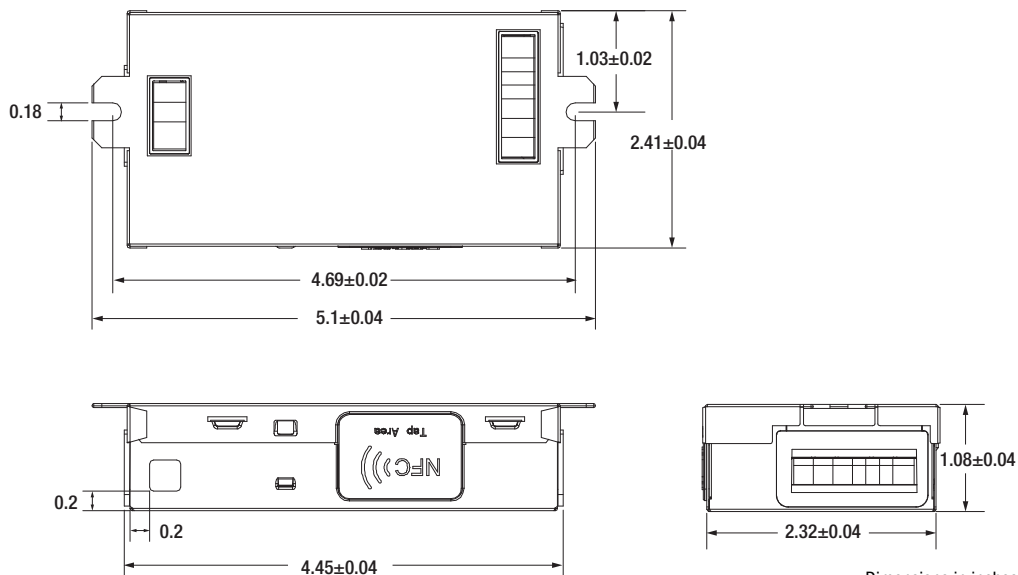
| Description     |         | Length<br>(in) | Length/Case<br>(in) | Width<br>(in) | Height<br>(in) | Weight<br>(g) | UOM         | Pallet<br>Count |
|-----------------|---------|----------------|---------------------|---------------|----------------|---------------|-------------|-----------------|
| Compact         | J-Can   | 5.1            | 4.33                | 2.3           | 1.1            | 250           | 1/SKU 24/CS | 1008            |
|                 | F-Can   | 5.1            | 4.45                | 2.3           | 1.1            | 250           | 1/SKU 24/CS | 1008            |
| Outdoor         |         | 9.5            |                     | 2.4           | 1.5            | 1000          | 1/SKU 10/CS | 540             |
|                 |         |                |                     |               |                |               |             |                 |
| Linear 120-277V | 36W/55W | 9.5            |                     | 1.2           | 1.1            | 450           | 1/SKU 24/CS | 2160            |
|                 | 88W     | 9.5            |                     | 1.8           | 1.2            | 550           | 1/SKU 20/CS | 1800            |
| 120-347V        | 30W/50W | 11             |                     | 1.18          | 0.83           | 210           | 1/SKU 20/CS | 2800            |
|                 | 85W     | 14.9           |                     | 1.2           | 1.01           | 375           | 1/SKU 20/CS | 1800            |

### Compact

#### J-Can



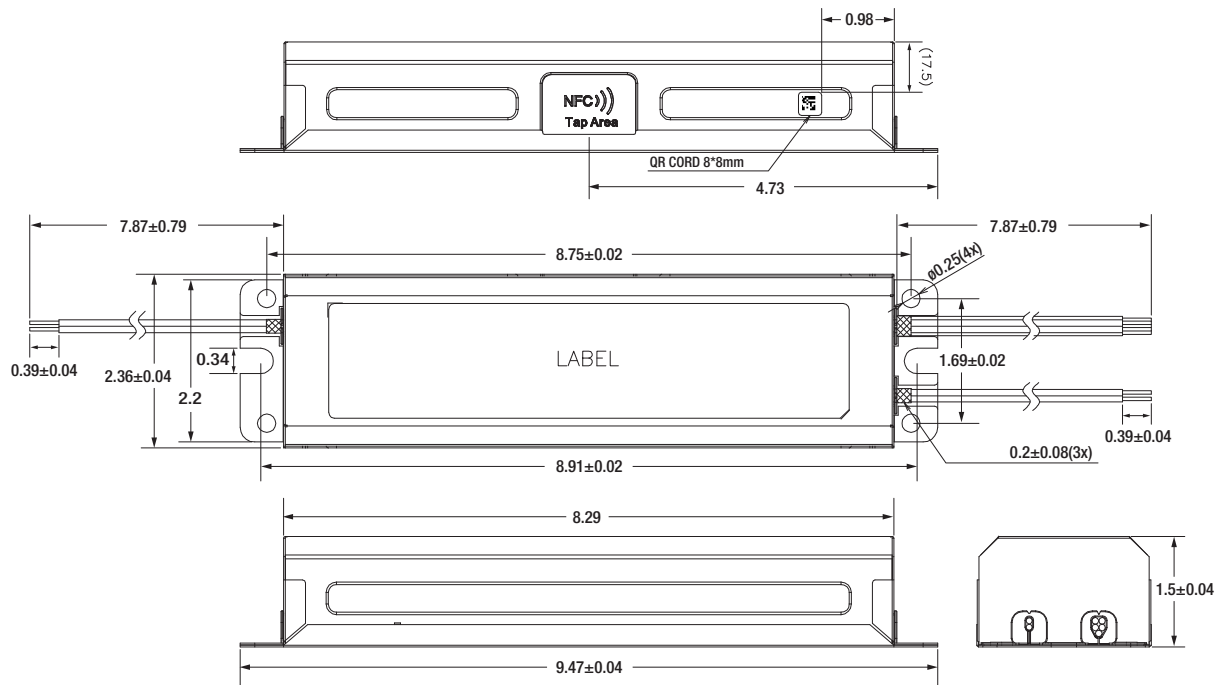
#### F-Can



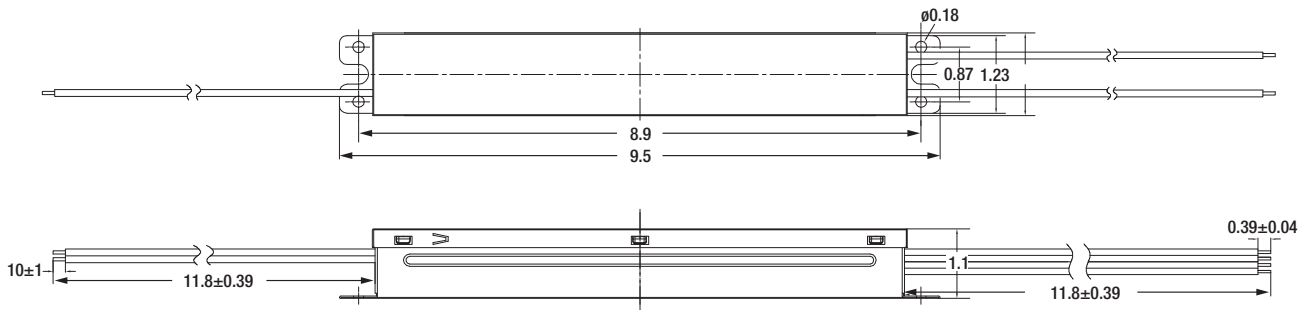
Dimensions in inches

## Physical Information (continued)

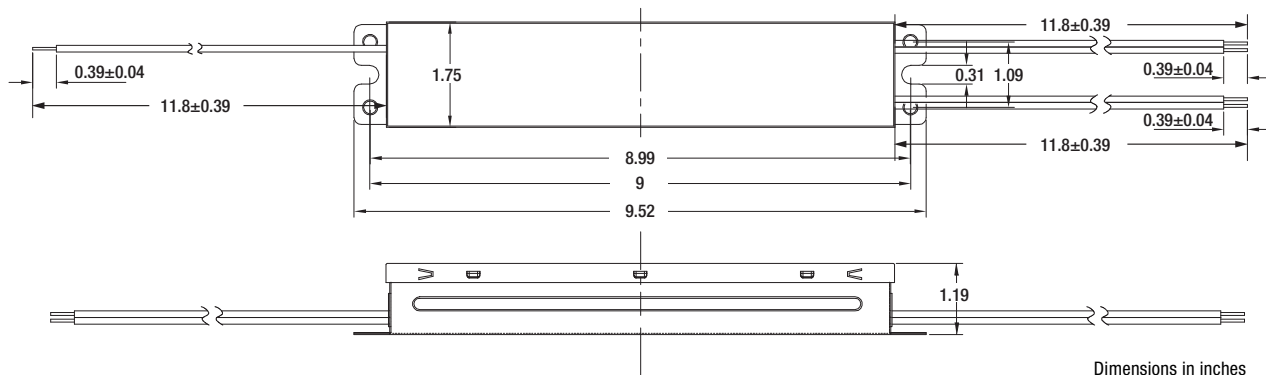
### Outdoor



### Linear 120-277V – 36W/55W

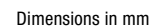
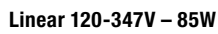


### Linear 120-277V – 88W

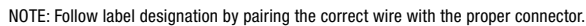


Dimensions in inches

### Linear 120-347V – 30W/50W



### Compact – 25W/40W



| Cable Length         |                     |
|----------------------|---------------------|
| Input: 300mm, 18AWG  | 0-10V: 300mm, 18AWG |
| Output: 300mm, 20AWG | AUX: 300mm, 20AWG   |

0-10V Dimmer

**LED DRIVER**

**Input Wires:**

- BLACK (LINE)
- WHITE (NEUTRAL)

Strip 9-10mm for all wires

**Output Wires:**

- PURPLE (DIM+)
- GRAY (DIM-)
- BLE/WHT (GND)
- BLK/WHT (AUX)
- PINK (NTC)
- RED (LED+)
- BLUE (LED-)

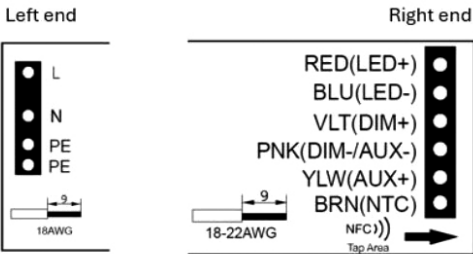
**0-10V Dimmer**

**LED Module**

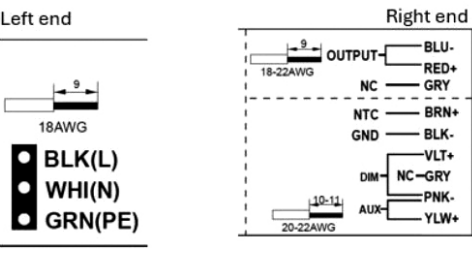
5 of 6

Wiring Diagrams (continued)

Linear UNH – 30W/50W



Linear UNH – 85W



Further Details – Default Settings

|                |                              | Factory Default Setting |            |            |            |             |                |                    |     |
|----------------|------------------------------|-------------------------|------------|------------|------------|-------------|----------------|--------------------|-----|
| NAED           | Description                  | Current (mA)            | Dim %      | Dim to Off | Soft Start | End of Life | Constant Lumen | Thermal Protection | AUX |
| <b>Compact</b> |                              |                         |            |            |            |             |                |                    |     |
| 75850          | LEDrv25UNVC1250DIM1AUX12NFC  | 500                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75851          | LEDrv25UNVC1250DIM1JAX12NFC  | 500                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75852          | LEDrv40UNVC1400DIM1AUX12NFC  | 700                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75853          | LEDrv40UNVC1400DIM1JAX12NFC  | 700                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| <b>Linear</b>  |                              |                         |            |            |            |             |                |                    |     |
| 75856          | LEDrv36UNVL1000DIM1AUX12NFC  | 500                     | enable 1%  | disabled   | disabled   | n/a         | n/a            | n/a                | 12V |
| 75857          | LEDrv55UNVL1300DIM1AUX12NFC  | 700                     | enable 1%  | disabled   | disabled   | n/a         | n/a            | n/a                | 12V |
| 75858          | LEDrv88UNVL2400DIM1AUX12NFC  | 1400                    | enable 1%  | disabled   | disabled   | n/a         | n/a            | n/a                | 12V |
| 75896          | LEDrv30UNHL1050DIM1AUXNFC    | 105                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75897          | LEDrv50UNHL1400DIM1AUXNFC    | 140                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75898          | LEDrv85UNHL2300DIM1AUXNFC    | 230                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| <b>Outdoor</b> |                              |                         |            |            |            |             |                |                    |     |
| 75854          | LEDrv100UNV1250DIMAUX12P6NFC | 350                     | enable 10% | n/a        | n/a        | disabled    | disabled       | disabled           | 12V |
| 75855          | LEDrv180UNV1250DIMAUX12P6NFC | 350                     | enable 10% | n/a        | n/a        | disabled    | disabled       | disabled           | 12V |
| 75887          | LEDrv100HUV1250DIMAUX12P6NFC | 350                     | enable 10% | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75888          | LEDrv180HUV1250DIMAUX12P6NFC | 350                     | enable 10% | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |

Application Notes

- Compact/Outdoor drivers may get overloaded. Possible reasons:
  - Load is seeking more voltage than allowable range, indicating probable driver mismatch (refer to pg. 2 for driver data).
  - Power draw exceeds driver max wattage rating, indicating probable mismatch.
- APP is multi-language accessible.

Installation Guides

Click or Scan QR Codes:



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181 Ballardvale Street, Suite 203  
Wilmington, MA 01887 USA  
Phone 1-800-LIGHTBULB (1-800-544-4828)  
www.ledvanceUS.com

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Home and décor  
Spotlights  
Downlights

##### Linear

Wall and ceiling  
Surface-mounted  
Suspended  
luminaires  
Recessed

##### Outdoor

Area lights  
Industrial highbays  
Wall packs  
Décor landscape  
Cobraheads  
Bollards  
Hazardous locations

#### Benefits and Features

- Field-programmable via free app
- Programming does not require driver to be powered up
- Quick and easy output customization:
  - Current
  - Dim to off – dim range %
  - Constant lumen output
  - Soft start
  - End of life
  - Thermal protection
- Compact: 25W and 40W both F-can and J-can housing style
- Linear: 120-277V, 120-347V models
- Outdoor: 120-277V, 347V-480V models

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- 5-year
- NLB Trusted Warranty Program



#### Unique selling points

- Field-programmable – your installers will thank you
- Near-field communication interface
- LEDVANCE's own tapTronic software
- Large programmable range from each driver, ideal when consolidating your on-hand inventory from in-house or in a service truck. Customize their output in seconds

#### Product Ratings

- Compliant to 47 CFR, Part 15 Class A
- cUL class P
- UL Class 2 output for safety (Compact/Linear)
- RoHs
- FCC
- TAA (Linear 120-277V only)
- Compliant with CA T-24 requirement for flicker and startup time

#### Download tapTronic Software App



|             |      |
|-------------|------|
| Catalog #   | Type |
| Project     |      |
| Comments    |      |
| Prepared by |      |

## Ordering Guide

| LEDrv                        | XX                                                                                                                 | XXX                                                                      | X                                                    | XXX0                                                                                                                                        | DIMX                                                    | AUX12                           | P6                    | NFC                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------|-----------------------|----------------------------|
| LEDVANCE Driver<br>tapTronic | Output wattage<br>25 = 25W<br>36 = 36W<br>40 = 40W<br>55 = 55W<br>85 = 85W<br>88 = 88W<br>100 = 100W<br>180 = 180W | Input Voltage<br>120-277<br>UNV=120-227V<br>UNH=120-347V<br>HUV=347-480V | Type<br>C = Compact<br>L = Linear<br>Blank = Outdoor | Output Current (Max)<br>1000 = 1000mA<br>1050 = 1050mA<br>1250 = 1250mA<br>1300 = 1300mA<br>1400 = 1400mA<br>2300 = 2300mA<br>2400 = 2400mA | 0-10V Dimming<br>DIM = 10% dimming<br>DIM1 = 1% dimming | Auxiliary Output<br>AUX12 = 12V | P6= IP66<br>(Outdoor) | Near-Field<br>Programmable |

## Ordering Information

| Item Number    | Ordering Abbreviation        | Total Output Power (W) | Output Current Range (Programmable) | Default Current | Output Voltage Range (Voc) | Dimming Control | Dimming Range | Aux     | Line Transient           |
|----------------|------------------------------|------------------------|-------------------------------------|-----------------|----------------------------|-----------------|---------------|---------|--------------------------|
| <b>Compact</b> |                              |                        |                                     |                 |                            |                 |               |         |                          |
| 75850          | LEDrv25UNVC1250DIM1AUX12NFC  | 25                     | 150-1250mA                          | 500mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75851          | LEDrv25UNVC1250DIM1JAUX12NFC | 25                     | 150-1250mA                          | 500mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75852          | LEDrv40UNVC1400DIM1AUX12NFC  | 40                     | 400-1400mA                          | 700mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75853          | LEDrv40UNVC1400DIM1JAUX12NFC | 40                     | 400-1400mA                          | 700mA           | 8-55                       | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| <b>Linear</b>  |                              |                        |                                     |                 |                            |                 |               |         |                          |
| 75856          | LEDrv36UNVL1000DIM1AUX12NFC  | 36                     | 100-1000mA                          | 500mA           | 20-48                      | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75857          | LEDrv55UNVL1300DIM1AUX12NFC  | 55                     | 130-1300mA                          | 700mA           | 20-48                      | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75858          | LEDrv88UNVL2400DIM1AUX12NFC  | 88                     | 240-2400mA                          | 1400mA          | 24-48                      | 0-10V           | 1-100%        | 12V     | ANSI C62.41 Cat. A 2.5kV |
| 75896          | LEDrv30UNHL1050DIM1AUXNFC    | 30                     | 105-1050mA                          | 105mA           | 8-55                       | 0-10V           | 1-100%        | 12, 24V | ANSI C62.41 Cat. A 2.5kV |
| 75897          | LEDrv50UNHL1400DIM1AUXNFC    | 50                     | 140-1400mA                          | 140mA           | 8-55                       | 0-10V           | 1-100%        | 12, 24V | ANSI C62.41 Cat. A 2.5kV |
| 75898          | LEDrv85UNHL2300DIM1AUXNFC    | 85                     | 230-2300mA                          | 230mA           | 8-55                       | 0-10V           | 1-100%        | 12, 24V | ANSI C62.41 Cat. B 6kV   |
| <b>Outdoor</b> |                              |                        |                                     |                 |                            |                 |               |         |                          |
| 75854          | LEDrv100UNV1250DIMAUX12P6NFC | 100                    | 350-1250mA                          | 350mA           | 50-185                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |
| 75855          | LEDrv180UNV1250DIMAUX12P6NFC | 180                    | 350-1250mA                          | 350mA           | 70-280                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |
| 75887          | LEDrv100HUV1250DIMAUX12P6NFC | 100                    | 350-1250mA                          | 350mA           | 50-185                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |
| 75888          | LEDrv180HUV1250DIMAUX12P6NFC | 180                    | 350-1250mA                          | 350mA           | 70-280                     | 0-10V           | 10-100%       | 12V     | ANSI C62.41 Cat. B 6kV   |

## Electrical Specifications

| Item Number    | Ordering Abbreviation        | Max. Output Power (W) | Input Voltage (Vac) | Frequency | Power Factor | THD  | Efficiency | Environmental Rating | UL File # |
|----------------|------------------------------|-----------------------|---------------------|-----------|--------------|------|------------|----------------------|-----------|
| <b>Compact</b> |                              |                       |                     |           |              |      |            |                      |           |
| 75850          | LEDrv25UNVC1250DIM1AUX12NFC  | 25                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75851          | LEDrv25UNVC1250DIM1JAUX12NFC | 25                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75852          | LEDrv40UNVC1400DIM1AUX12NFC  | 40                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75853          | LEDrv40UNVC1400DIM1JAUX12NFC | 40                    | 120-277             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| <b>Linear</b>  |                              |                       |                     |           |              |      |            |                      |           |
| 75856          | LEDrv36UNVL1000DIM1AUX12NFC  | 36                    | 120-277             | 50/60Hz   | >0.9         | <20% | >86%       | Dry & Damp (IP20)    | E495305   |
| 75857          | LEDrv55UNVL1300DIM1AUX12NFC  | 55                    | 120-277             | 50/60Hz   | >0.9         | <20% | >86%       | Dry & Damp (IP20)    | E495305   |
| 75858          | LEDrv88UNVL2400DIM1AUX12NFC  | 88                    | 120-277             | 50/60Hz   | >0.9         | <20% | >86%       | Dry & Damp (IP20)    | E495305   |
| 75896          | LEDrv30UNHL1050DIM1AUXNFC    | 30                    | 120-347             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75897          | LEDrv50UNHL1400DIM1AUXNFC    | 50                    | 120-347             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| 75898          | LEDrv85UNHL2300DIM1AUXNFC    | 85                    | 120-347             | 50/60Hz   | >0.9         | <20% | >87%       | Dry & Damp (IP20)    | E495305   |
| <b>Outdoor</b> |                              |                       |                     |           |              |      |            |                      |           |
| 75854          | LEDrv100UNV1250DIMAUX12P6NFC | 100                   | 120-277             | 50/60Hz   | >0.9         | <10% | >91%       | Damp & Wet (IP66)    | E495305   |
| 75855          | LEDrv180UNV1250DIMAUX12P6NFC | 180                   | 120-277             | 50/60Hz   | >0.9         | <10% | >91%       | Damp & Wet (IP66)    | E495305   |
| 75887          | LEDrv100HUV1250DIMAUX12P6NFC | 100                   | 347-480             | 50/60Hz   | >0.9         | <20% | >91%       | Damp & Wet (IP66)    | E495305   |
| 75888          | LEDrv180HUV1250DIMAUX12P6NFC | 180                   | 347-480             | 50/60Hz   | >0.9         | <20% | >91%       | Damp & Wet (IP66)    | E495305   |

## Operating Temperatures

| Parameter                                             | Compact            | Outdoor            | Linear             |
|-------------------------------------------------------|--------------------|--------------------|--------------------|
| Maximum Case Temperature (Tc point)                   | 90°C Max (50kHrs)  | 90°C Max (50kHrs)  | 90°C Max (50kHrs)  |
| Maximum Case Temperature for 5 year life and warranty | ≤80°C              | ≤85°C              | ≤80°C              |
| Ambient Operating Temperature                         | -30°C to 50°C      | -40°C to 50°C      | -30°C to 50°C      |
| Maximum Storage Temperature                           | 75°C               | 70°C               | 85°C               |
| Maximum Relative Humidity                             | 85% non-condensing | 95% non-condensing | 90% non-condensing |

## Dimmer Compatibility

| Dimmer  | Dimmer Type | Model    |
|---------|-------------|----------|
| Leviton | 0-10V       | DS710    |
| Leviton | 0-10V       | IP710    |
| Lutron  | 0-10V       | NTSTV-DV |
| Lutron  | 0-10V       | NFTV     |
| Lutron  | 0-10V       | DVTV-WH  |
| Legrand | 0-10V       | H4FBL3PW |

## NFC LED Driver Support

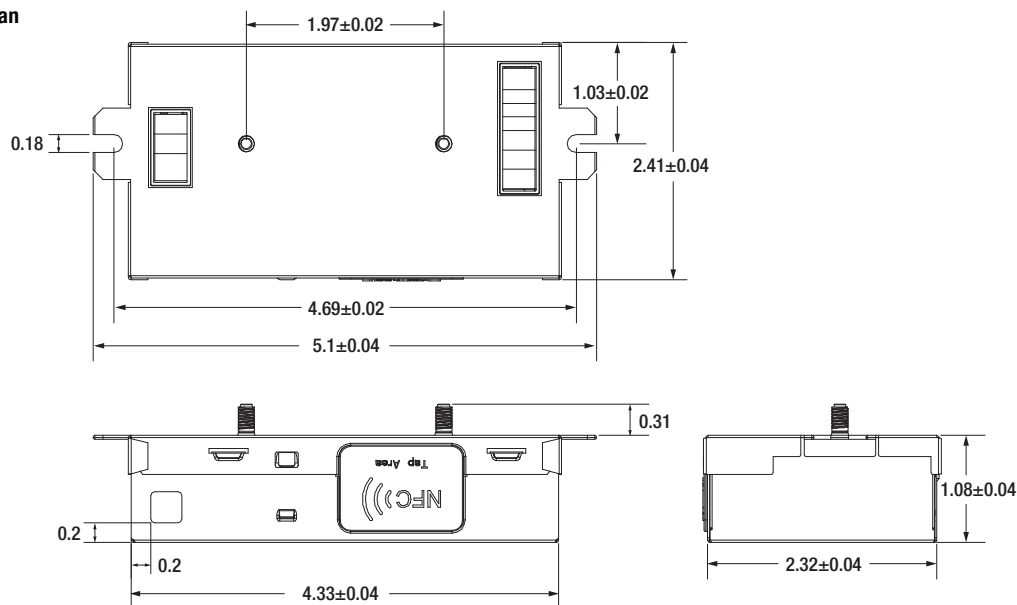
|                             |                                |
|-----------------------------|--------------------------------|
| Software for configuration  | tapTronic                      |
| Programming Tool            | via Smartphone APP             |
| Interface for data transfer | Near-Field Communication (NFC) |

## Physical Information

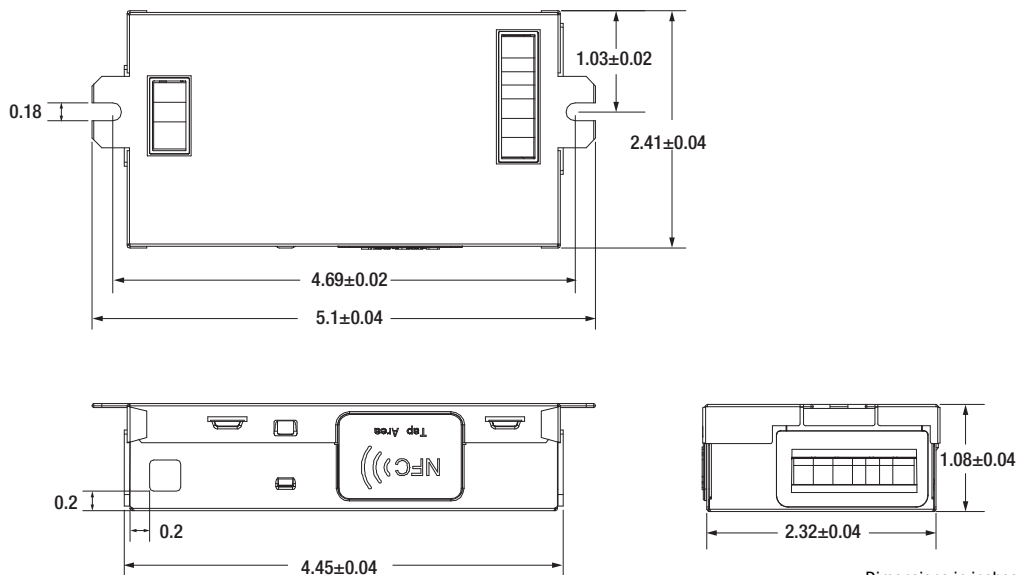
| Description     |         | Length<br>(in) | Length/Case<br>(in) | Width<br>(in) | Height<br>(in) | Weight<br>(g) | UOM         | Pallet<br>Count |
|-----------------|---------|----------------|---------------------|---------------|----------------|---------------|-------------|-----------------|
| Compact         | J-Can   | 5.1            | 4.33                | 2.3           | 1.1            | 250           | 1/SKU 24/CS | 1008            |
|                 | F-Can   | 5.1            | 4.45                | 2.3           | 1.1            | 250           | 1/SKU 24/CS | 1008            |
| Outdoor         |         | 9.5            |                     | 2.4           | 1.5            | 1000          | 1/SKU 10/CS | 540             |
|                 |         |                |                     |               |                |               |             |                 |
| Linear 120-277V | 36W/55W | 9.5            |                     | 1.2           | 1.1            | 450           | 1/SKU 24/CS | 2160            |
|                 | 88W     | 9.5            |                     | 1.8           | 1.2            | 550           | 1/SKU 20/CS | 1800            |
| 120-347V        | 30W/50W | 11             |                     | 1.18          | 0.83           | 210           | 1/SKU 20/CS | 2800            |
|                 | 85W     | 14.9           |                     | 1.2           | 1.01           | 375           | 1/SKU 20/CS | 1800            |

### Compact

#### J-Can



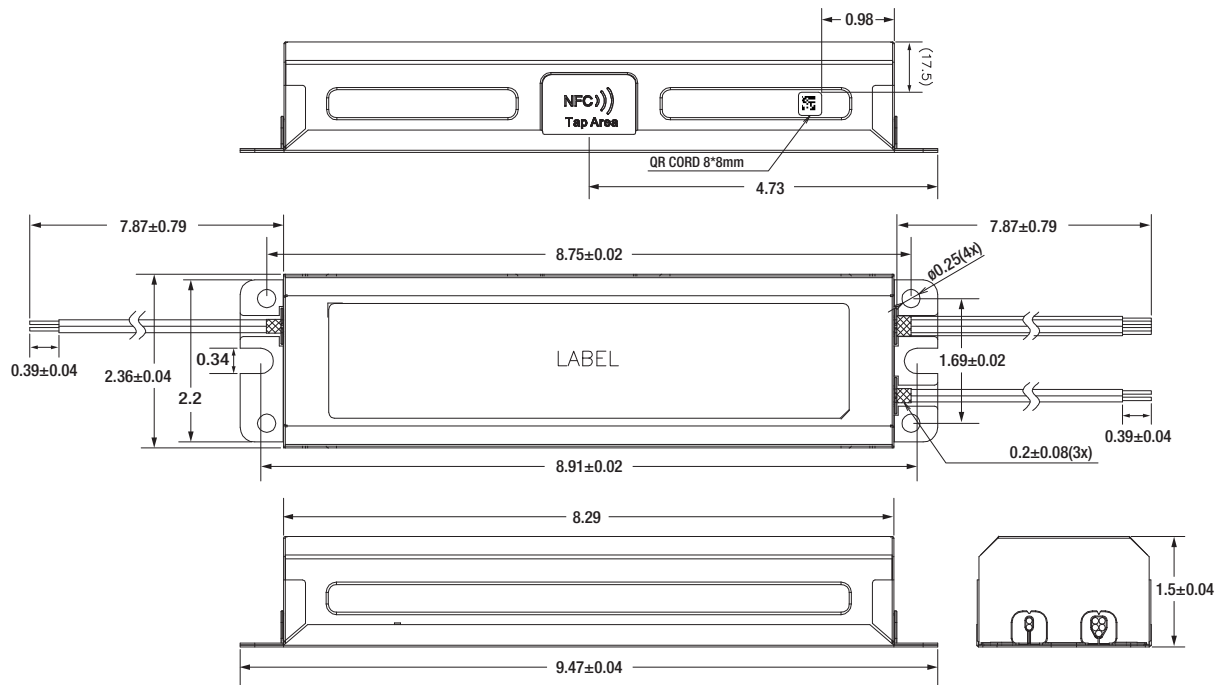
#### F-Can



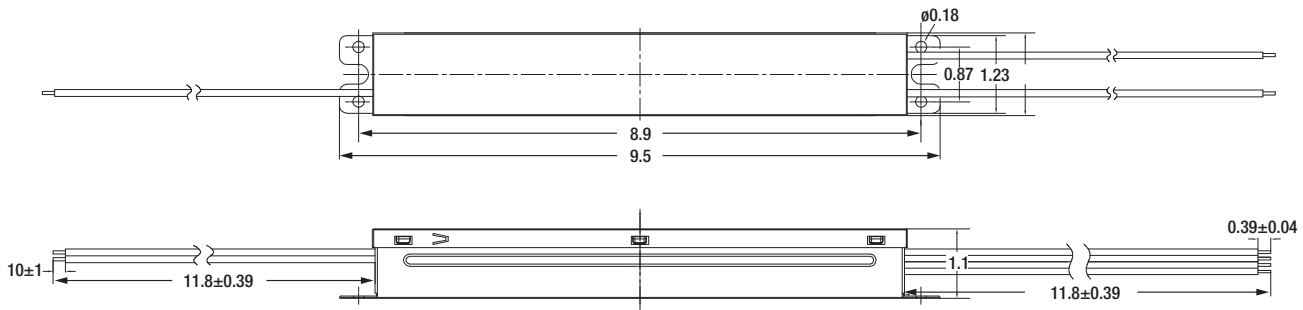
Dimensions in inches

## Physical Information (continued)

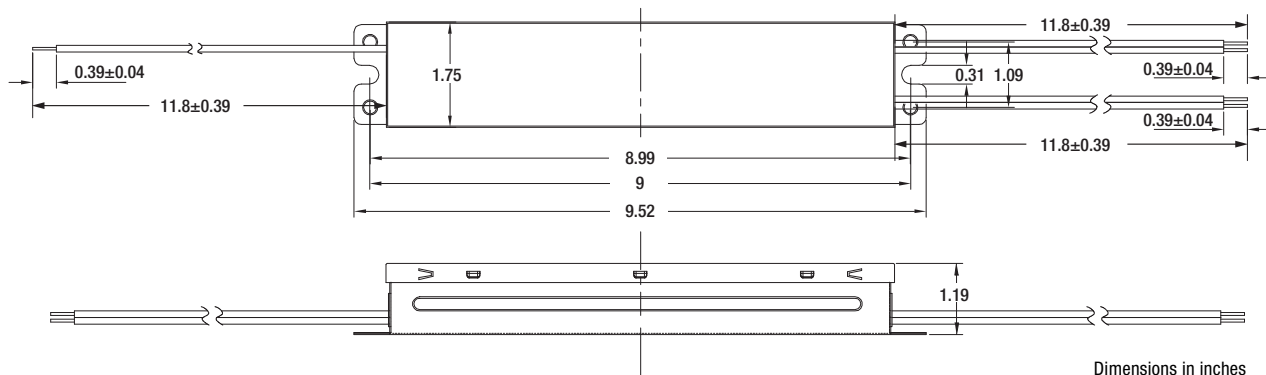
### Outdoor



### Linear 120-277V – 36W/55W

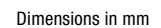
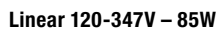


### Linear 120-277V – 88W

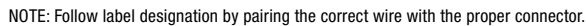


Dimensions in inches

### Linear 120-347V – 30W/50W



### Compact – 25W/40W



|                      |                     |
|----------------------|---------------------|
| Input: 300mm, 18AWG  | 0-10V: 300mm, 18AWG |
| Output: 300mm, 20AWG | AUX: 300mm, 20AWG   |

0-10V Dimmer

**LED DRIVER**

**Input Wires (Left):**

- BLACK (LINE)
- WHITE (NEUTRAL)

**Output Wires (Right):**

- PURPLE (DIM+)
- GRAY (DIM-)
- BLE/WHT (GND)
- BLK/WHT (AUX)
- PINK (NTC)
- RED (LED+)
- BLUE (LED-)

**Connections:**

- 0-10V Dimmer is connected to DIM+ and DIM-.
- LED Module is connected to LED+ and LED-.

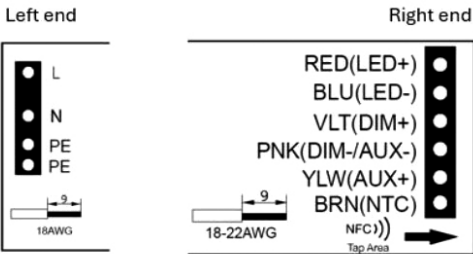
**Notes:**

- Strip 9-10mm for all wires

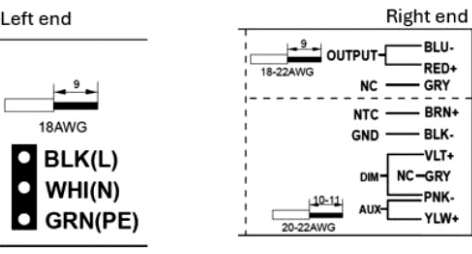
5 of 6

Wiring Diagrams (continued)

Linear UNH – 30W/50W



Linear UNH – 85W



Further Details – Default Settings

|                |                              | Factory Default Setting |            |            |            |             |                |                    |     |
|----------------|------------------------------|-------------------------|------------|------------|------------|-------------|----------------|--------------------|-----|
| NAED           | Description                  | Current (mA)            | Dim %      | Dim to Off | Soft Start | End of Life | Constant Lumen | Thermal Protection | AUX |
| <b>Compact</b> |                              |                         |            |            |            |             |                |                    |     |
| 75850          | LEDrv25UNVC1250DIM1AUX12NFC  | 500                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75851          | LEDrv25UNVC1250DIM1JAX12NFC  | 500                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75852          | LEDrv40UNVC1400DIM1AUX12NFC  | 700                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75853          | LEDrv40UNVC1400DIM1JAX12NFC  | 700                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| <b>Linear</b>  |                              |                         |            |            |            |             |                |                    |     |
| 75856          | LEDrv36UNVL1000DIM1AUX12NFC  | 500                     | enable 1%  | disabled   | disabled   | n/a         | n/a            | n/a                | 12V |
| 75857          | LEDrv55UNVL1300DIM1AUX12NFC  | 700                     | enable 1%  | disabled   | disabled   | n/a         | n/a            | n/a                | 12V |
| 75858          | LEDrv88UNVL2400DIM1AUX12NFC  | 1400                    | enable 1%  | disabled   | disabled   | n/a         | n/a            | n/a                | 12V |
| 75896          | LEDrv30UNHL1050DIM1AUXNFC    | 105                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75897          | LEDrv50UNHL1400DIM1AUXNFC    | 140                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75898          | LEDrv85UNHL2300DIM1AUXNFC    | 230                     | enable 1%  | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| <b>Outdoor</b> |                              |                         |            |            |            |             |                |                    |     |
| 75854          | LEDrv100UNV1250DIMAUX12P6NFC | 350                     | enable 10% | n/a        | n/a        | disabled    | disabled       | disabled           | 12V |
| 75855          | LEDrv180UNV1250DIMAUX12P6NFC | 350                     | enable 10% | n/a        | n/a        | disabled    | disabled       | disabled           | 12V |
| 75887          | LEDrv100HUV1250DIMAUX12P6NFC | 350                     | enable 10% | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |
| 75888          | LEDrv180HUV1250DIMAUX12P6NFC | 350                     | enable 10% | disabled   | disabled   | disabled    | disabled       | disabled           | 12V |

Application Notes

- Compact/Outdoor drivers may get overloaded. Possible reasons:
  - Load is seeking more voltage than allowable range, indicating probable driver mismatch (refer to pg. 2 for driver data).
  - Power draw exceeds driver max wattage rating, indicating probable mismatch.
- APP is multi-language accessible.

Installation Guides

Click or Scan QR Codes:



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