

# PSRX-300W-24V-UNV

4-in-1 Dimmable Driver with Junction Box

**CORE**  
ARCHITECTURAL  
LIGHTING

JOB NAME: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
QUOTE/REF#: \_\_\_\_\_



**PSRX SERIES** indoor/outdoor drivers are highly efficient, stable with smooth dimming capability compatible with most TRIAC, ELV, MLV, 0-10v reverse and forward phase dimmers, and on/off switches. These drivers are factory derated which allows them to be loaded to maximum wattage capacity.

## FEATURES

- High power factor/efficiency
- Short circuit and over current protection
- 100~277V AC for any residential or commercial application
- Superior PWM dimming technology
- Factory derated
- Only 10% minimum load
- Compatible with TRIAC, MLV, ELV and 0-10V
- Flicker-free dimming

## INPUT

|                       |                                 |
|-----------------------|---------------------------------|
| INPUT VOLTAGE RANGE   | 100~277V AC                     |
| INPUT FREQUENCY RANGE | 47~63 Hz                        |
| POWER FACTOR (AVG.)   | ≥0.99 (120VAC) ; ≥0.95 (277VAC) |
| AC CURRENT (MAX.)     | 3.4A (100V AC)                  |
| INRUSH CURENT         | 20A, 50%, 1.8ms                 |
| LEAKAGE CURRENT       | <0.5mA                          |

## OUTPUT

|                           |        |
|---------------------------|--------|
| OUTPUT VOLTAGE            | 24V DC |
| OUTPUT CURRENT @ MAX LOAD | 12.5A  |
| OUTPUT MAX WATTAGE        | 300W   |
| MINIMUM LOAD              | 10%    |
| MAXIMUM LOAD              | 100%   |

## ADDITIONAL SPECIFICATIONS

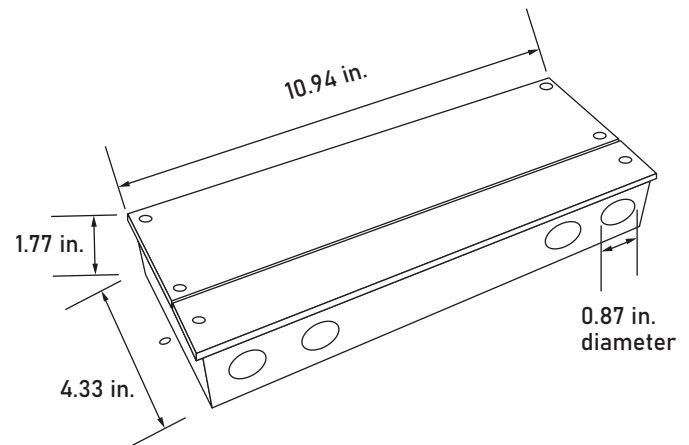
|                          |                             |
|--------------------------|-----------------------------|
| ENVIRONMENT              | Outdoor Rated IP65          |
| DIMMING                  | ELV, MLV, TRIAC & 0-10V     |
| SHORT CIRCUIT            | Short Circuit auto recovery |
| WIRE TERMINAL CONNECTION | Fits up to 12AWG            |
| HOUSING / COOLING        | Free-air convection         |

## MISC

|                   |                     |
|-------------------|---------------------|
| SAFETY STANDARDS  | UL-8750, UL 1310    |
| WITHSTAND VOLTAGE | I/P-O/P : 1.88KV AC |
| EMC EMISSION      | FCC Part 15 B       |
| WARRANTY          | 5 year Limited      |

## SPECIFICATIONS

|                       |                              |
|-----------------------|------------------------------|
| CLASS 2               | NO                           |
| LOAD REGULATION       | 2%                           |
| LINE REGULATION       | 5%                           |
| INPUT FREQUENCY       | 47~63 Hz                     |
| POWER FACTOR          | >0.92                        |
| EFFICIENCY            | >86%                         |
| MTBF                  | 50,000 hrs.                  |
| OPERATING ENVIRONMENT | -40°F ~ 140°F (-40°C ~ 60°C) |
| FUNCTION SURFACE TEMP | -40 to +80 (25 C AMB)        |
| STORAGE TEMPERATURE   | -40°F ~ 176°F (-40°C ~ 80°C) |
| HUMIDITY              | 20~90% RH, non condensing    |



# PSRX-300W-24V-UNV

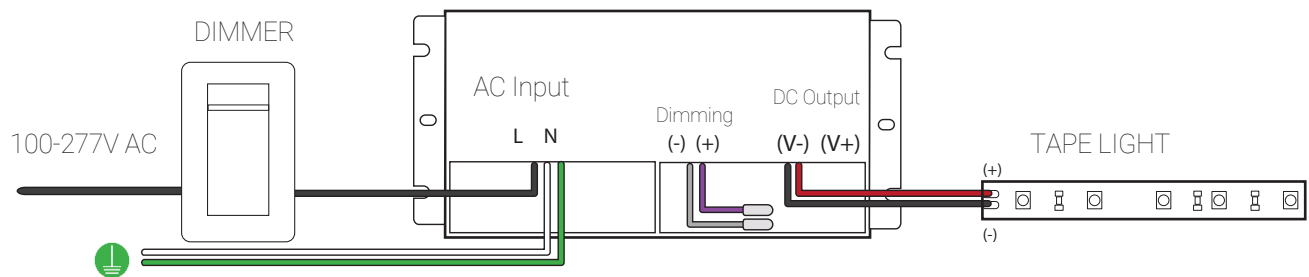
4-in-1 Dimmable Driver with Junction Box

**CORE**  
ARCHITECTURAL  
LIGHTING

JOB NAME: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
QUOTE/REF#: \_\_\_\_\_

## WIRING DIAGRAM

### TRIAC dimming



### 0-10V/1-10V dimming

