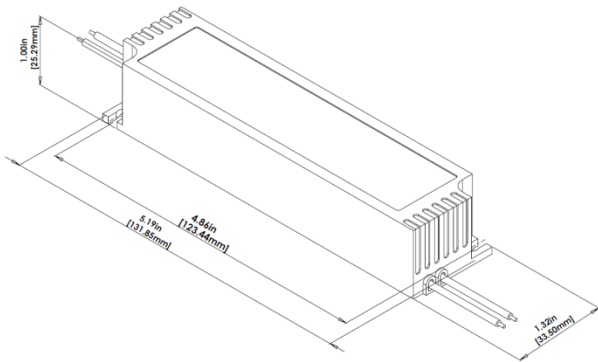


20-Watt Driver

POWER SUPPLY | 20D-12X6X4

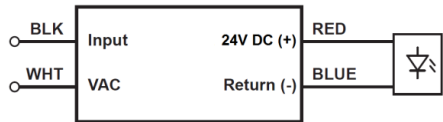


Key Features

- Light weight, low profile
- Short circuit and overload protection
- Low power supply losses

Specifications

| | |
|-----------------|----------------|
| Location: | Damp |
| Output Voltage: | 24v DC |
| Output Power: | 20w |
| Input Voltage: | 120 to 277 VAC |
| Frequency: | 50 to 60 HZ |
| Ambient Temp: | -20°C to +50°C |
| Weight: | .21 lbs |
| Dimming: | Yes |



Note: Mounting distance for 18 AWG wire is 15 feet. For additional information on further distances and EMI compliance reference application note LED126.

| Remote Distance | | Diameter | |
|-----------------|---------|----------|-----------|
| 7'-0" | (2.1m) | w/22 AWG | (.644mm) |
| 18'-0" | (5.5m) | w/18 AWG | (1.02mm) |
| 46'-0" | (14.0m) | w/14 AWG | (1.63mm) |
| 71'-0" | (21.6m) | w/12 AWG | (2.05 mm) |

| 20W | Max Run Length in Series | | Max Run Lengths in Parallel | |
|------------------------------------|--------------------------|---------|-----------------------------|----------|
| line .75 - SO / ledge / luxrail | 34' | (5.18m) | 34' | (10.36m) |
| line .75 - HO / ledge / luxrail | 4' | (1.22m) | 8' | (2.44m) |
| line .75 - VHO (and color) / ledge | 3' | (0.91m) | 6' | (1.82m) |
| line 1.5 - SO | 17' | (5.18m) | 17' | (10.36m) |
| line 1.5 - MO | 7' | (2.13m) | 7' | (4.26m) |
| line 1.5 - HO | 4' | (1.22m) | 4' | (2.44m) |
| line 1.5 - VHO (and color) | 3' | (0.91m) | 3' | (1.82m) |
| line 2.0 - SO | 5' | (1.52m) | 10' | (3.04m) |
| line 2.0 - HO | 3' | (0.91m) | 6' | (1.82m) |
| line 2.0 - VHO | 2' | (0.61m) | 4' | (1.22m) |
| line 2.0 - V2HO / B / G / A | 1' | (0.30m) | 2' | (0.6m) |
| line 2.0 - R | NA | | NA | |

12x6x4 Enclosure

POWER SUPPLY | 20D-12X6X4



Enclosure Construction

Enclosure and cover are fabricated from code 16 gauge steel. Enclosure body has mounting holes on the back and are available with or without knock outs on the sides, top and bottom ends. Cover is secured to the body with plated hex head combo screws, and has keyhole slots for easy removal without removing screws.

Enclosure Industry Standards

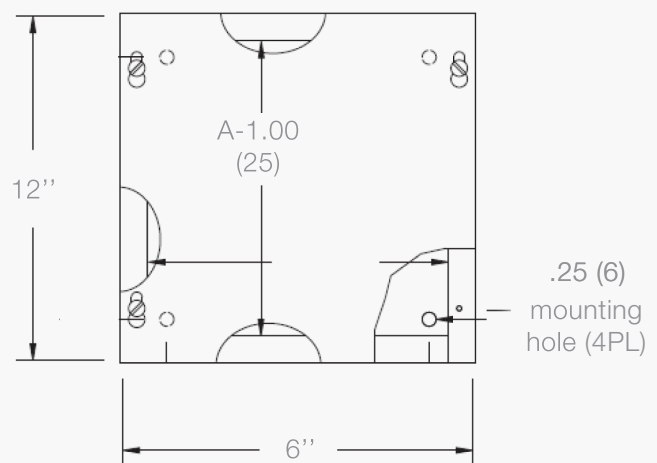
- UL 50 Listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1
- IEC 60529, IP30

**One driver enclosure can hold one 20W or 100W driver and one dimming module.*

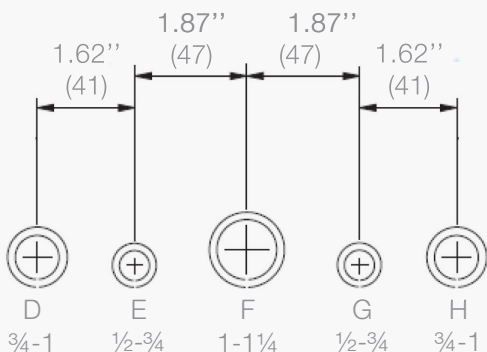
Left End With Cover



Front View Without Cover

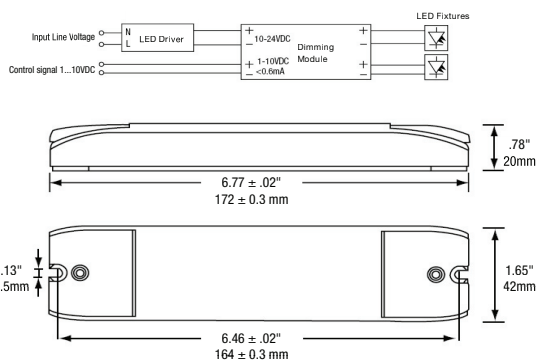


Conduit Sizes



Note: Dimensions are in inches. Millimeters are for reference only. Data subject to change without notice.

Dimming Module



DMX Compatibility

A DMX to 0-10V converter will typically be required to interface with DMX control systems. ETC has tested the dimming module with the Unison Series Dimming Rack. The Unison Fluorescent Option Module will provide up to (24) 0-10 signals from a single unit. The dimming module has also been tested with a 0-10 converter from Northlight Systems.

Tested by OSRAM

| Manufacturer | Type | Model |
|--------------------|------------------------|------------------|
| HUNT | 0-10 wall mount | PS-010 |
| Leviton | 0-10 wall mount | IP710-DLW |
| Lightolie | 0-10 wall mount | ZP600F-AM 120W |
| Lutron | 0-10 wall mount | NTFTV Series |
| | Control Panel | Grafik Eye |
| | Converter to 0-10v dc | GRX-TVI, GRX-TVM |
| NorthLight Systems | DMX to 0-10v Converter | 8 channels |
| | | 24 channels |

Source: OSRAM's "Controllers for LED Modules" PowerPoint

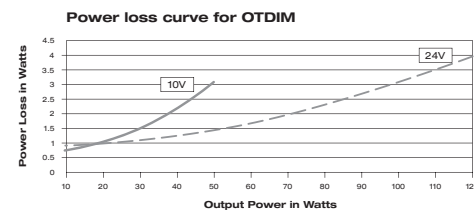
POWER SUPPLY | 20D-12X6X4

Key Features

- Utilizes pulse width modulation (PWM), to control LED performance
- Options available for analog or DMX protocols
- Dimming range: 0-100%
- Short circuit, overload and overheating protection

Specifications

| | |
|--------------------|-----------------------|
| Location: | Dry |
| Input Voltage: | 24v DC |
| Max Input Current: | 5.3A |
| Control Voltage: | 0-10v DC |
| Frequency: | 135 HZ |
| Ambient Temp: | -20°C to +50°C |
| Weight: | .165 lbs |
| Power Consumption: | Up to 3W |



Lutron Products

0-10 V (current sink) IEC 60929

| Entire Room Controls | |
|----------------------|---------------------|
| Radio Touch™ | Included |
| microWatt™ | Included |
| Grafik Eye | |
| 3000/2000 | GRX-TVI |
| 4000® | TVM Module |
| GXI | Included |
| Spacer System | SPSF-6A + GRX - TVI |
| Building Controls | |
| LCP128™ | TVM Module |
| G5000™/6000/7000™ | TVM Module |
| Whole Home Controls | |
| Radio RA® | RA-6ND + GRX-TVI |
| Homeworks® | GRX-TVI, TVM |
| Wallbox | |
| NovaT®* | NTFTV |
| Nova® | NFTV |
| Vareo® 2 | VF10 + GRX-TVI |
| Diva® 2 | DVF103P + GRX-TVI |
| Skylark® 2 | SF103P + GRX-TVI |

Source: Lutron Application Note #138:

*Please contact specific manufacturers for details on specific dimming control