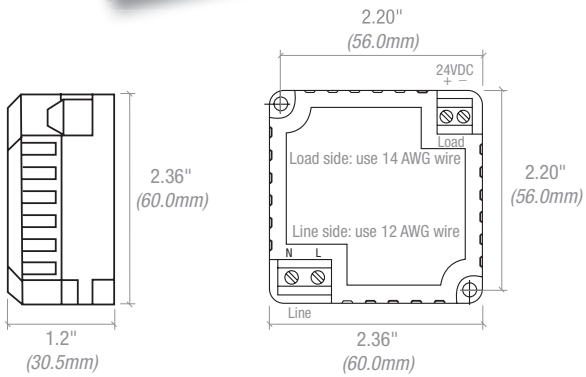
20-Watt Driver

POWER SUPPLY | 20D-.75-11x4x4



Key Features

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

Specifications

Location:	**Dry**
Output Voltage:	**24v DC**
Output Power:	**20w**
Input Voltage:	**120 to 240 VAC**
Frequency:	**50 to 60 HZ**
Ambient Temp:	**-20˚C to +50˚C**
Weight:	**.21 lbs**
Dimming:	**Yes**

Note: 6" (L) x 4" (W) x 4" (H) enclosure is requied by UL.

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**	17'	*(5.18m)*	17'	*(5.18m)*
line .75 - MO / **ledge** / **luxrail**	7'	*(2.13m)*	7'	*(2.13m)*
line .75 - HO / **ledge** / **luxrail**	4'	*(1.22m)*	4'	*(1.22m)*
line .75 - VHO (and color) / **ledge**	3'	*(0.91m)*	3'	*(0.91m)*
line 1.5 - SO	12'	*(3.66m)*	12'	*(3.66m)*
line 1.5 - MO	5'	*(1.52m)*	5'	*(1.52m)*
line 1.5 - HO	3'	*(0.91m)*	3'	*(0.91m)*
line 1.5 - VHO (and color)	2'	*(0.61m)*	2'	*(0.61m)*
line 2.0 - SO	5'	*(1.52m)*	5'	*(1.52m)*
line 2.0 - HO	3'	*(0.91m)*	3'	*(0.91m)*
line 2.0 - VHO	2'	*(0.61m)*	2'	*(0.61m)*
line 2.0 - V2HO / **B** / **G** / **A**	1'	*(0.30m)*	1'	*(0.30m)*
line 2.0 - **R**	NA		NA	

277 NOT AVAILABLE

11x4x4 Enclosure

POWER SUPPLY | 20D-.75-11x4x4

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

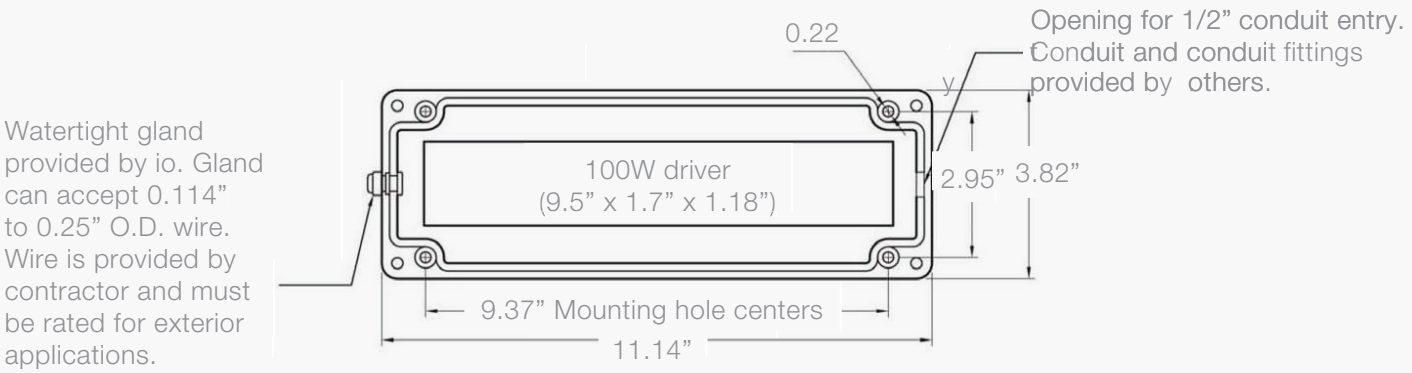
Enclosure Construction

Enclosure material is a molded fiberglass reinforced polyester (thermoset). The gasket is poured polurethane seamless gasket that provides watertight, dust-tight environmental seal. The cover screws are recessed, captive and stainless steel.

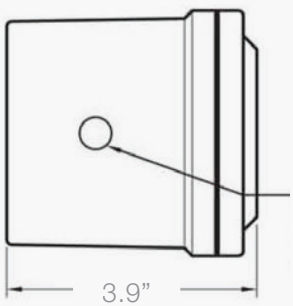
Enclosure Industry Standards

- UL/cUL 50: File E64358 type 1, 3, 4X 6P, 12
- NEMA 250: Type 1, 3, 4X, 6P, 12
- CSA Std 22.2: File LR069014 type 1, 3, 4X, 6P, 12
- Temp rating: (-40° to +120°C)
- Flammability rating: UL94-5V

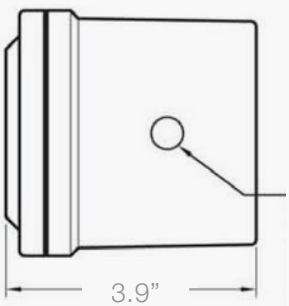
Front View Without Cover



Left End View With Cover

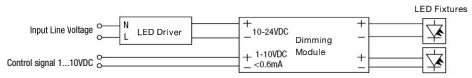


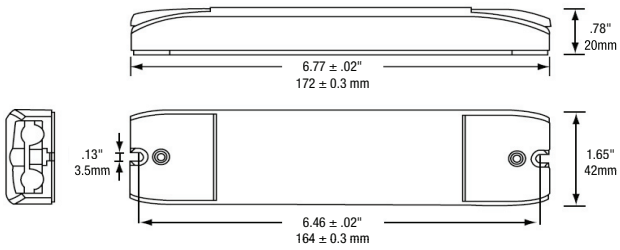
Right End View With Cover



Dimming Module

POWER SUPPLY | 20D-.75-11x4x4



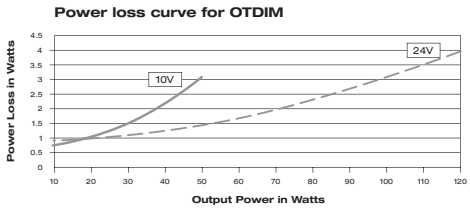


Key Features

- 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**



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 Flourescent 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

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*