

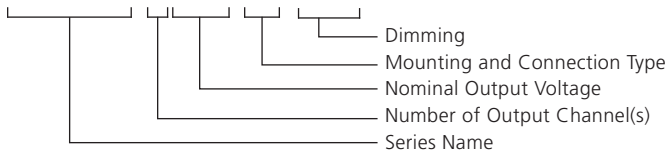
# XLD200-224V-FC-DIM

UL/cUL Listed LED Driver



## MODEL SELECTION KEY

### XLD200-224V-FC-DIM



## MULTI CHANNEL 200 WATT LED DRIVER

The XLD series is a standalone unit, uniquely patented, and conduit-ready. The LED power supply will enable complete installation of your system without having to install external junction boxes saving you invaluable time and money. Efficient, reliable and easy to install, the XLD200 (200 Watt power rating) offers 2 channel output, is fully potted and works in extremely low temperature environments (-40°C–60°C). The universal input 90-305 V<sub>AC</sub> is suitable for a wide range of high powered LED lighting applications.

## FEATURES

- UL Listed LED Driver
- Reduces installation time
- Eliminates need for external junction boxes
- Wide Input Voltage: 90-305 V<sub>AC</sub>
- High Efficiency: Active PFC
- Low Operating Temperature: 40°C to 60°C
- 0-10V Dimming Ready
- 5 Years Warranty
- No Minimum Load



Model Number	Voltage Input Range (V <sub>AC</sub> )	Channel(s) Output	CV mode				Max Output Power (per Channel)(W)	Total Output Power (W)	
			Preset Vout (V <sub>DC</sub> )	Load Range (per Channel) (A)		Voltage Pot Adjustable Range (V <sub>DC</sub> )			
				min	max	min			max
XLD200-224V-FC-DIM	90-305	2	24	0	4.38	16.8	25.2	96	192

FC = Patented, easy install enclosure with integral wiring compartments

0-10V Dimming Driver. Can be daisy changed together with other 200 Watt drivers via a Cat 5 with RJ45 plug

SPECIFICATIONS ARE SUBJECT TO CHANGE AT MANUFACTURER'S DISCRETION AND WITHOUT NOTICE.

**INPUT SPECIFICATION**

Voltage Range	Frequency Range	Max Inrush Current	Power Factor	THD
90-305 VAC (NOM: 120/240/277 VAC)	47-63 Hz	50A@230 VAC input, 25°C, cold start-up	0.9 min	< 25% @ full load

**OUTPUT SPECIFICATION**

Max Power	200W	Transient Response	8 mS, full load to Half load, 100 VAC Input
Load Regulation	+/- 1% Max	Short Circuit Protection	Hiccup-Mode, Auto-Recovery upon removal of short circuit condition.
Efficiency	> 80% @ Full Load, 230 V <sub>AC</sub> input	Constant Voltage (CV) Mode Load Regulation	+/- 5% Max (Voltage Setting Adjustable via on-board pot: +5%/-30%)
Start-up Time	2.5 sec. Typical	Over Voltage Protection	132% Max
Hold-up Time	2 mS @ full load, 100 V <sub>AC</sub> input	Over Current Protection	Constant-current limiting, Auto-Recovery upon removal of short circuit condition
		Over temperature Protection	105°C Max, Hiccup-Mode, Auto-Recovery

\*All noise measurements made at the output terminals, connected to a 20MHz low pass filter

**ENVIRONMENTAL SPECIFICATION**

MTBF	Cooling	Operating Temp	Storage Temp	Relative Humidity
55,000 hours (Full load @ 25°C Ambient, Based on MIL-217F)	Convection	-40°C to 60°C (Full load)	-40°C to 85°C	5% - 95%

**INTEGRAL DIMMING**  
**0-10V DC**  
(purple and gray output wires)

**COMPLIANCE / SAFETY**

EMI/RFI	CISPR-22 Class B FCC part 15 Class B EN 55015
Safety Standards	UL 1012/1585, UL8750, UL Class 2 Wet Locations, UL 48, cUL, CE, UL #: E342485
Weatherability	EN60529 IP 65

**MECHANICAL**

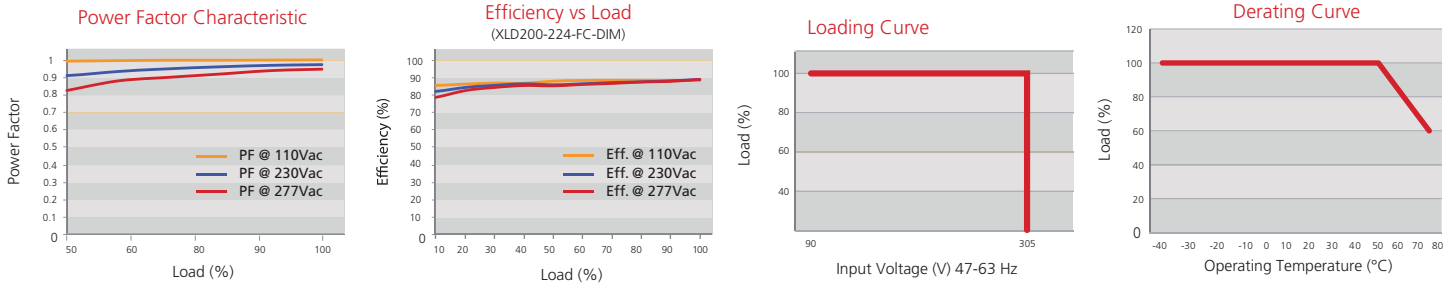
Material	NEMA 3 Design with patented AC and DC Wiring compartments, fully potted PCB.
Dimensions (LxWxH)	12.3" x 4.46" x 2.38" (312mm x 113.5mm x 60.5mm)

**PACKING INFORMATION**

Model	Weight (pc)	Pcs per Carton	Weight per Carton	Carton Dimensions (LxWxH)
Dual Channel	5.6 lbs (2.55Kg)	6	37 lbs (16.8Kg)	17.32" x 15.55" x 9.4" (440mm x 395mm x 240mm)

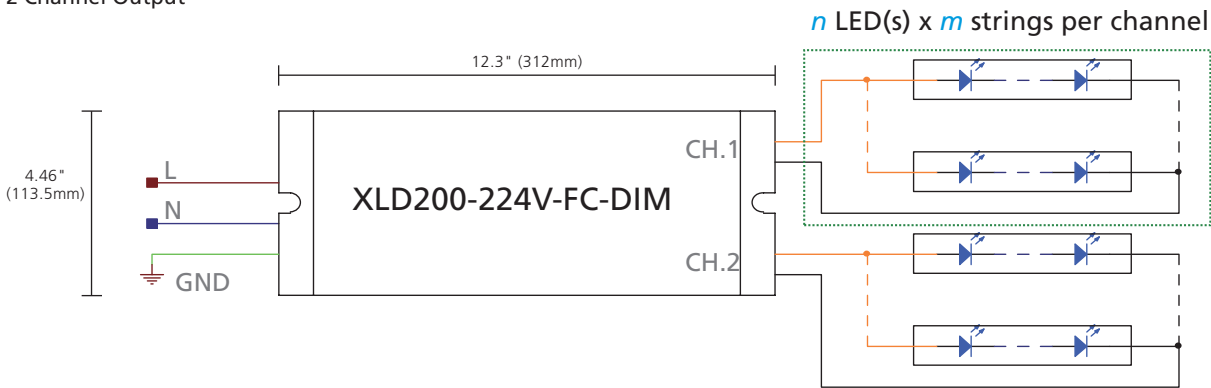
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PERFORMANCE CURVES



MECHANICAL DIAGRAM

2 Channel Output



\* \* XLD200-224V-FC models LED output have 2 Red & 2 Black wires on the DC output. This is to reduce power loss due to high output current operation. During installation, connect same color wires together for desired current output.

FEELUX XLD200 Driver

FDC-L10 interface is Not required for XLD200

