

Drivers

Our LED drivers are used to step down and convert high voltage AC power (typically 120-277V) to 24V DC low voltage which powers our Quantum Channel 2. Follow the three steps below to provide you with the necessary knowledge needed to choose the correct driver.

1. Determine the Dimming Type Required

- **Residential:** also known as MLV (TRIAC) Dimming, or forward phased dimming, requires a Magnetic Low Voltage (MLV) or Incandescent Dimmer. Offers smooth and even dimming down to about 10%.
- **Commercial:** also known as Electronic 0-10V Dimming is typically used in commercial applications. 0-10V dimming offers smooth dimming down to about 5%.

2. Determine the Input Voltage Required

- **120V AC:** 120V AC is typically used in, but not limited to, residential settings.
- **277V AC:** 277V AC is often used in commercial settings.






**Note:
For RGB products use
NON-DIMMABLE
DRIVERS ONLY!**

3. Understanding the Listings & Ratings Required

- **UL Recognized Component (UL US):** UL Recognized products have been tested by UL to work as part of a system or to complete an end-product.
- **UL Listed (UL LISTED US):** UL Listed products have been tested by UL to operate as a standalone system and do not require other parts to make the system complete.
- **ETL Listed (ETL LISTED):** ETL Listed products are tested similar to UL and are listed to operate as a standalone system.
- **Class 2:** Class 2 products are products that meet the standards set by the National Electrical Code (NEC). In the case of LED drivers, Class 2 drivers are equal to or less than 100W or have multiple outputs, each of which is equal to or less than 100W.










Electronic MLV & Incandescent Dimmable 120V Driver Specifications

Use MLV or Incandescent Dimmer





Part #	Description	Watts	Input Voltage	Class 2	Efficiency	Dimensions (LxWxH)	Certifications	
	DR-20W-24VDC-120V-2-MLV-m	20W Electronic MLV & Incandescent Dimmable Hardwire Driver. 120V AC Input to 24V DC Output. Class 2.	20W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"	
	DR-40W-24VDC-120V-2-MLV-m	40W Electronic MLV & Incandescent Dimmable Hardwire Driver. 120V AC Input to 24V DC Output. Class 2.	40W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"	
	DR-60W-24VDC-120V-2-MLV-m	60W Electronic MLV & Incandescent Dimmable Hardwire Driver. 120V AC Input to 24V DC Output. Class 2.	60W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"	
	DR-96W-24VDC-120V-2-MLV-m	96W Electronic MLV & Incandescent Dimmable Hardwire Driver. 120V AC Input to 24V DC Output. Class 2.	96W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"	

Magnetic Dimmable 120V Driver Specifications

Use MLV Dimmer




Part #	Description	Watts	Input Voltage	Class 2	Efficiency	Dimensions (LxWxH)	Certifications	
	DR-20W-24VDC-DIM	20W Magnetic Dimmable Hardwire Driver. 120V AC Input to 24VDC Output.	20W	120V AC	Yes	76%	5-5/8" x 2" x 2-13/16"	
	DR-40W-24VDC-DIM	40W Magnetic Dimmable Hardwire Driver. 120V AC Input to 24VDC Output.	40W	120V AC	Yes	82%	5-5/8" x 2" x 2-13/16"	
	DR-60W-24VDC-DIM	60W Magnetic Dimmable Hardwire Driver. 120V AC Input to 24VDC Output.	60W	120V AC	Yes	85%	6-9/16" x 2-1/4" x 2-9/16"	
	DR-96W-24VDC-DIM	96W Magnetic Dimmable Hardwire Driver. 120V AC Input to 24VDC Output.	96W	120V AC	Yes	85%	6-9/16" x 2-1/4" x 2-9/16"	
	DR-150W-24VDC-DIM	150W Magnetic Dimmable Hardwire Driver. 120V AC Input to 24VDC Output.	150W	120V AC	No	85%	9-13/16" x 3" x 3"	
	DR-192W-24VDC-DIM	192W Magnetic Dimmable Hardwire Driver. 120V AC Input to TWO 24VDC Outputs.	192W	120V AC	Yes	84%	9-1/16" x 4-3/16" x 3-7/16"	
	DR-200W-24VDC-DIM	200W Magnetic Dimmable Hardwire Driver. 120V AC Input to 24VDC Output.	200W	120V AC	No	87%	9-13/16" x 3" x 3"	
	DR-288W-24VDC-DIM	288W Magnetic Dimmable Hardwire Driver. 120V AC Input to THREE 24VDC Outputs.	288W	120V AC	Yes	84%	9-1/16" x 4-3/16" x 3-7/16"	
	DR-300W-24VDC-DIM	300W Magnetic Dimmable Hardwire Driver. 120V AC Input to 24VDC Output.	300W	120V AC	No	90%	9-13/16" x 4-1/4" x 3-1/2"	

Electronic Wall Plug-In Non-Dimmable 120V Driver Specifications

Part #	Description	Watts	Input Voltage	Class 2	Efficiency	Dimensions (LxWxH)	Certifications	
FOR INSPIRE V4 LED TAPE LIGHT ONLY								
	DR-36W-24VDC-120V-2-ND	36W Electronic Wall Plug-In Driver. 120V AC Input to 24V DC Output.	36W	120V AC	Yes	84%	3-3/4" x 1-7/8" x 1-3/16"	
	DR-96W-24VDC-120V-2-ND	96W Electronic Wall Plug-In Driver. 120V AC Input to 24V DC Output.	96W	120V AC	Yes	85%	5-1/8" x 2-5/16" x 1-1/4"	
	DR-144W-24VDC-120V-1-ND	144W Electronic Wall Plug-In Driver. 120V AC Input to 24V DC Output.	144W	120V AC	No	84%	6-3/4" x 2-7/8" x 1-1/4"	

Drivers

UL Listed Electronic 0-10V Dimmable 120-277V Driver Specifications

Part #	Description	Watts	Input Voltage	Class 2	Efficiency	Dimensions (LxWxH)	Certifications
	DR-60W-24VDC-U-2-10-c 60W Electronic 0-10V Dimmable Hardwire Driver. UL-Listed. Class 2.	60W	120-277V AC	Yes	88%	9-1/2" x 1-2/3" x 1-1/7"	
	DR-100W-24VDC-U-2-10-c 100W Electronic 0-10V Dimmable Hardwire Driver. UL-Listed. Class 2.	100W	120-277V AC	Yes	88%	9-1/2" x 2-2/5" x 1-1/2"	
	DR-200W-24VDC-U-2-10-g 200W Electronic 0-10V Dimmable Hardwire Driver. UL-Listed. Class 2 with two 100W Outputs.	200W	90-305V AC	Yes	80%	12-1/4" x 4-1/2" x 2-3/8"	

Electronic 0-10V Dimmable 120-277V VAC Input Driver Specifications

Part #	Description	Watts	Input Voltage	Class 2	Efficiency	Dimensions (LxWxH)	Certifications
	DR-25W-24VDC-DIM10 25W Electronic 0-10V Dimmable Hardwire Driver. Class 2.	25W	120-277V AC	Yes	82%	9-1/2" x 1-11/16" x 1-1/8"	
	DR-60W-24VDC-DIM10 60W Electronic 0-10V Dimmable Hardwire Driver. Class 2.	60W	120-277V AC	Yes	86.6%	9-1/2" x 1-11/16" x 1-1/8"	
	DR-100W-24VDC-DIM10 100W Electronic 0-10V Dimmable Hardwire Driver. Class 2.	100W	120-277V AC	Yes	87%	9-1/2" x 2-3/8" x 1-7/16"	

UL Listed Electronic Non-Dimmable 120-277V Driver Specifications

Part #	Description	Watts	Input Voltage	Class 2	Efficiency	Dimensions (LxWxH)	Certifications
	DR-60W-24VDC-U-2-10-c 60W Electronic Non-Dimmable Hardwire Driver. Class 2.	60W	120-277V AC	Yes	88%	9-1/2" x 1-2/3" x 1-1/7"	
	DR-100W-24VDC-U-2-10-c 100W Electronic Non-Dimmable Hardwire Driver. Class 2.	100W	120-277V AC	Yes	88%	9-1/2" x 2-2/5" x 1-1/2"	
	DR-200W-24VDC-U-2-ND-g 200W Electronic Non-Dimmable Hardwire Driver. Class 2.	200W	90-305V AC	Yes	80%	12-1/4" x 4-1/2" x 2-3/8"	

Electronic Non-Dimmable 120-277V VAC Input Driver Specifications

Part #	Description	Watts	Input Voltage	Class 2	Efficiency	Dimensions (LxWxH)	Certifications
	DR-25W-24VDC-NONDIM-A 25W Electronic Non-Dimmable Hardwire Driver. Class 2.	25W	120-277V AC	Yes	82%	9-1/2" x 1-11/16" x 1-1/8"	
	DR-60W-24VDC-NONDIM-A 60W Electronic Non-Dimmable Hardwire Driver. Class 2.	60W	120-277V AC	Yes	87%	9-1/2" x 1-11/16" x 1-1/8"	
	DR-100W-24VDC-NONDIM-A 100W Electronic Non-Dimmable Hardwire Driver. Class 2.	100W	120-277V AC	Yes	90%	9-1/2" x 2-3/8" x 1-7/16"	
	DR-150W-24VDC-U-1-ND-w 150W Electronic Non-Dimmable Hardwire Driver. NON-CLASS 2.	150W	90-305V AC	No	93%	9" x 2-11/16" x 1-1/2"	
	DR-240W-24VDC-U-1-ND-w 240W Electronic Non-Dimmable Hardwire Driver. NON-CLASS 2.	240W	90-305V AC	No	92.5%	9-5/8" x 2-11/16" x 1-1/2"	
	DR-320W-24VDC-U-1-ND-w 320W Electronic Non-Dimmable Hardwire Driver. NON-CLASS 2.	320W	90-305V AC	No	92.5%	9-15/16" x 3-9/16" x 1-3/4"	