

# Drivers

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

## STEP 1

Determine the Dimming Type Required

- **Residential:** Also known as MLV (TRIAC) Dimming or forward phase 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. Typically used in commercial applications. 0-10V dimming offers smooth dimming down to about 5%.

## STEP 2

Determine the Input Voltage Required

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

## STEP 3

Understanding the Listings & Ratings Required

- **UL Recognized :** Products tested by UL to work as a part of a system, or to complete an end-product.
- **UL Listed :** Products tested by UL to operate as a standalone system and do not require other parts to make the system complete.
- **ETL Listed :** Products tested by Intertek to work as a part of a system, or to complete an end-product (similar to UL Recognized products).
- **Class 2:** 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.

**! RGB products MUST be used with NON-DIMMABLE DRIVERS ONLY!**

### Electronic MLV & Incandescent Dimmable 120V Drivers

Use MLV or Incandescent Dimmer



PART#	WATTS	INPUT VOLTAGE	CLASS 2	EFFICIENCY	DIMENSIONS (LxWxH)
#DR-20W-24VDC-120V-2-MLV-m	20W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"
#DR-40W-24VDC-120V-2-MLV-m	40W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"
#DR-60W-24VDC-120V-2-MLV-m	60W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"
#DR-96W-24VDC-120V-2-MLV-m	96W	120V AC	Yes	>90%	6-3/4" x 2-11/16" x 1-1/4"

### Magnetic Dimmable 120V Drivers

Use MLV Dimmer ONLY



#DR-20W-24VDC-DIM	20W	120V AC	Yes	>76%	5-5/8" x 2" x 2-13/16"
#DR-40W-24VDC-DIM	40W	120V AC	Yes	>82%	5-5/8" x 2" x 2-13/16"
#DR-60W-24VDC-DIM	60W	120V AC	Yes	>85%	6-9/16" x 2-1/4" x 2-9/16"
#DR-96W-24VDC-DIM	96W	120V AC	Yes	>85%	6-9/16" x 2-1/4" x 2-9/16"
#DR-150W-24VDC-DIM	150W	120V AC	No	>85%	9-13/16" x 3" x 3"
#DR-192W-24VDC-DIM	192W	120V AC	Yes*	>84%	9-1/16" x 4-3/16" x 3-7/16"
#DR-200W-24VDC-DIM	200W	120V AC	No	>87%	9-13/16" x 3" x 3"
#DR-288W-24VDC-DIM	288W	120V AC	Yes**	>84%	9-1/16" x 4-3/16" x 3-7/16"
#DR-300W-24VDC-DIM	300W	120V AC	No	>90%	9-13/16" x 4-1/4" x 3-1/2"

\*Two separate 96W, 24V DC outputs.

\*\*Three separate 96W, 24V DC outputs.

### Electronic Wall Plug-In Non-Dimmable 120V Drivers



#DR-36W-24VDC-120V-2-ND	36W	120V AC	Yes	>84%	3-3/4" x 1-7/8" x 1-3/16"
#DR-96W-24VDC-120V-2-ND	96W	120V AC	Yes	>85%	5-1/8" x 2-5/16" x 1-1/4"
#DR-144W-24VDC-120V-1-ND	144W	120V AC	No	>84%	6-3/4" x 2-7/8" x 1-1/4"

**! These drivers are ONLY compatible with the Inspire V4 LED Tape Light.**

## Electronic 0-10V Dimmable 120-277V Drivers



PART#	WATTS	INPUT VOLTAGE	CLASS 2	EFFICIENCY	DIMENSIONS (LxWxH)
#DR-25W-24VDC-DIM10	25W	120-277V AC	Yes	>82%	9-1/2" x 1-11/16" x 1-1/8"
#DR-60W-24VDC-DIM10	60W	120-277V AC	Yes	>86.6%	9-1/2" x 1-11/16" x 1-1/8"
#DR-100W-24VDC-DIM10	100W	120-277V AC	Yes	>87%	9-1/2" x 2-3/8" x 1-7/16"
#DR-150W-24VDC-U-1-10-w	150W	90-305V AC	No	>93%	9" x 2-11/16" x 1-1/2"
#DR-240W-24VDC-U-1-10-w	240W	90-305V AC	No	>92.5%	9-5/8" x 2-11/16" x 1-1/2"
#DR-320W-24VDC-U-1-10-w	320W	90-305V AC	No	>94.5%	9-5/16" x 3-9/16" x 1-3/4"
#DR-600W-24VDC-U-1-10-w	600W	90-305V AC	No	>95%	11" x 5-11/16" x 1-15/16"

SPECIAL ORDER

## Electronic Non-Dimmable 120-277V Drivers



#DR-25W-24VDC-NONDIM-A	25W	120-277V AC	Yes	>82%	9-1/2" x 1-11/16" x 1-1/8"
#DR-60W-24VDC-NONDIM-A	60W	120-277V AC	Yes	>87%	9-1/2" x 1-11/16" x 1-1/8"
#DR-100W-24VDC-NONDIM-A	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	90-305V AC	No	>93%	9" x 2-11/16" x 1-1/2"
#DR-240W-24VDC-U-1-ND-w	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	90-305V AC	No	>94.5%	9-5/16" x 3-9/16" x 1-3/4"
#DR-600W-24VDC-U-1-ND-w	600W	90-305V AC	No	>95%	11" x 5-11/16" x 1-15/16"

SPECIAL ORDER

## UL Listed Electronic Non-Dimmable 120-277V Drivers



#DR-60W-24VDC-U-2-10-c	60W	120-277V AC	Yes	>88%	9-1/2" x 1-11/16" x 1-1/8" > Mounted to a standard 4" x 4" x 3/4" U.S. junction box
#DR-100W-24VDC-U-2-10-c	100W	120-277V AC	Yes	>88%	9-1/2" x 2-3/8" x 1-1/2" > Mounted to a standard 4" x 4" x 3/4" U.S. junction box
#DR-200W-24VDC-U-2-ND-g	200W	90-305V AC	Yes*	>80%	12-1/4" x 4-1/2" x 2-3/8"

\*Two separate 100W,  
24V DC outputs.

## UL Listed Electronic 0-10V Dimmable 120-277V Drivers



#DR-60W-24VDC-U-2-10-c	60W	120-277V AC	Yes	>88%	9-1/2" x 1-11/16" x 1-1/8" > Mounted to a standard 4" x 4" x 3/4" U.S. junction box
#DR-100W-24VDC-U-2-10-c	100W	120-277V AC	Yes	>88%	9-1/2" x 2-3/8" x 1-1/2" > Mounted to a standard 4" x 4" x 3/4" U.S. junction box
#DR-200W-24VDC-U-2-10-g	200W	90-305V AC	Yes*	>80%	12-1/4" x 4-1/2" x 2-3/8"

\*Two separate 100W,  
24V DC outputs.

## Magnetic Dimmable 277V Drivers

Use MLV Dimmer ONLY



#DR-20W-24VDC-DIM-277	20W	277V AC	Yes	>78.4%	5-5/8" x 2" x 2-1/8"
#DR-40W-24VDC-DIM-277	40W	277V AC	Yes	>80%	5-5/8" x 2" x 2-1/8"
#DR-60W-24VDC-DIM-277	60W	277V AC	Yes	>84%	6-9/16" x 2-1/4" x 2-9/16"
#DR-96W-24VDC-DIM-277	96W	277V AC	Yes	>84.3%	9-13/16" x 3" x 3"
#DR-150W-24VDC-DIM-277	150W	277V AC	No	>80%	9-13/16" x 3" x 3"
#DR-200W-24VDC-DIM-277	200W	277V AC	No	>81.9%	9-13/16" x 4-3/16" x 3-1/2"

SPECIAL ORDER