



## Dual-Mode Universal Dimming Driver

BDC-12V-XXW, BDC-24V-XXW

### PRODUCT DESCRIPTION

The Dual-Mode Universal Dimming Driver is a highly versatile LED Power supply. This driver is compatible with all phase and 0-10V dimmers. In addition to having a universal dimming input, the DMU dimming power supplies have the capability to switch between two output modes: Pulse Width Modulation (PWM) for loads located within 25 feet of the power supply, and Constant Voltage Reduction (CVR) for longer leads beyond 25 feet\*. This level of flexibility enables seamless integration and precise control of LED lighting, regardless of the size and layout of your installation. \*Always use the proper AWG to account for voltage drop.

**Ideal Application:** The Dual-Mode Universal Dimming Driver enables users to have maximum versatility in their lighting projects. It is a great option for residential and commercial construction, retail, and scenic applications such as: Custom and volume homebuilders, commercial builders, shelf lighting, retail displays, television and film sets and other live events.



### PRODUCT FEATURES

- Universal input dimming signal compatible with all major control systems
- Dual output modes that can easily switch between PWM and CVR
- Full capacity driver
- Flicker-free dimming down to <0.1%
- 7-year warranty
- Rated for damp locations
- Integrated wiring compartments

### TECHNICAL SPECIFICATIONS

#### 12 VDC

Product Number	BDC-12V-30W	BDC-12V-60W	BDC-12V-3x60W	BDC-12V-5x60W
Output Voltage	12 DC	12 DC	12 DC	12 DC
Input Current	350 mA	650 mA	1880 mA	3100 mA
IP Rating	IP66	IP66	IP66	IP66
Voltage	120 to 277 AC	120 to 277 AC	120 to 277 AC	120 to 277 AC
Power (Watts)	30 Watts	60 Watts	3 x 60 Watts	5 x 60 Watts
Length	6.71 in [170.5 mm]	8.92 in [226.5 mm]	10 in [254 mm]	11.38 in [289 mm]
Width	4.57 in [116 mm]	4.63 in [117.5 mm]	5.2 in [132 mm]	5.2 in [132 mm]
Height	1.65 in [42 mm]	1.67 in [42.5 mm]	1.67 in [42.5 mm]	1.93 in [49 mm]
Warranty	7-Years Limited	7-Years Limited	7-Years Limited	7-Years Limited

#### 24 VDC

Product Number	BDC-24V-30W	BDC-24V-60W	BDC-24V-96W	BDC-24V-2x96W	BDC-24V-3x96W
Output Voltage	24 DC	24 DC	24 DC	24 DC	24 DC
Input Current	350 mA	350 mA	1040 mA	2000 mA	2980 mA
IP Rating	IP66	IP66	IP66	IP66	IP66
Input Voltage	120 to 277 AC	120 to 277 AC	120 to 277 AC	120 to 277 AC	120 to 277 AC
Power (Watts)	30 Watts	60 Watts	96 Watts	2 x 96 Watts	3 x 96 Watts
Length	6.71 in [170.5 mm]	8.92 in [226.5 mm]	8.92 in [226.5 mm]	10 in [254 mm]	11.38 in [289 mm]
Width	4.57 in [116 mm]	4.63 in [117.5 mm]	4.63 in [117.5 mm]	5.2 in [132 mm]	5.2 in [132 mm]
Height	1.65 in [42 mm]	1.67 in [42.5 mm]	1.67 in [42.5 mm]	1.67 in [42.5 mm]	1.93 in [49 mm]
Warranty	7-Years Limited	7-Years Limited	7-Years Limited	7-Years Limited	7-Years Limited





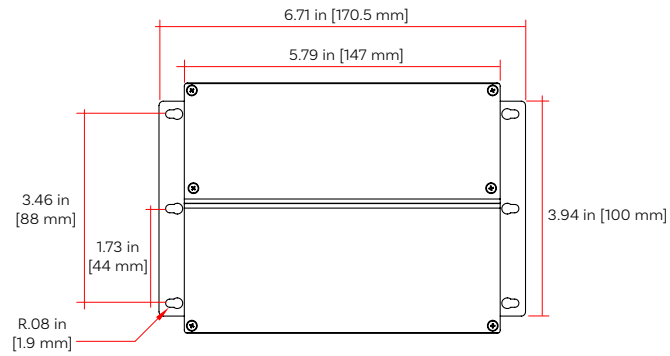
## Dual-Mode Universal Dimming Driver

BDC-12V-XXW, BDC-24V-XXW

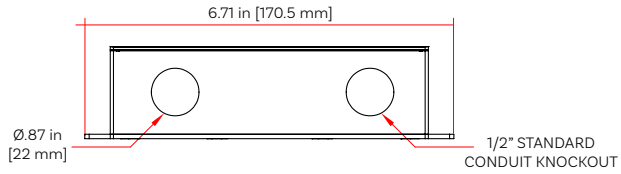
### MECHANICAL SPECIFICATIONS

#### BDC-12V-30W

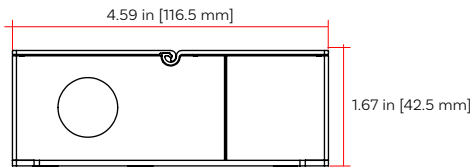
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##### FRONT VIEW

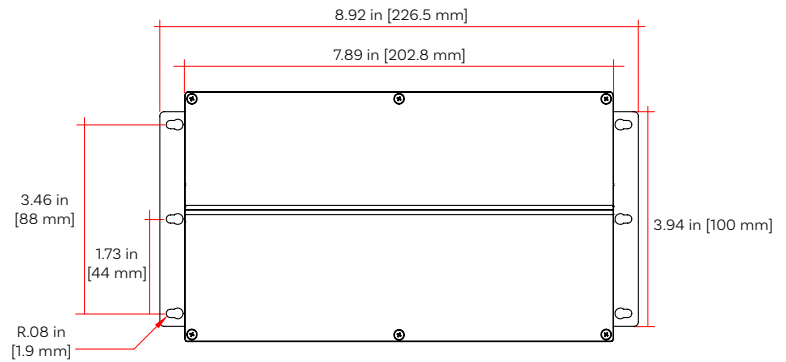


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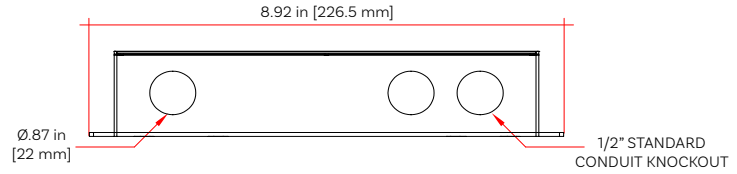


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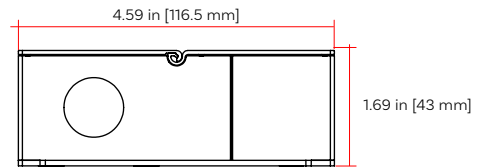
##### TOP VIEW



##### FRONT VIEW



##### SIDE VIEW





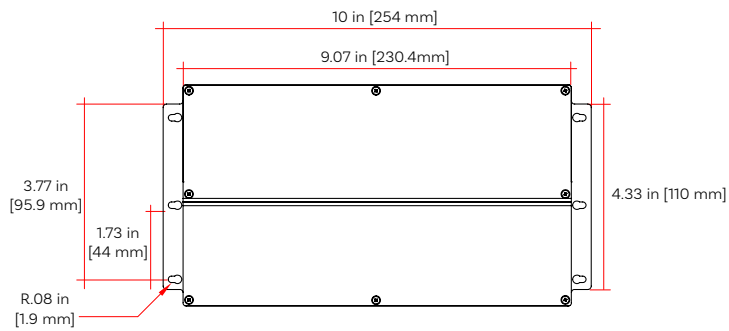
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BDC-12V-XXW, BDC-24V-XXW

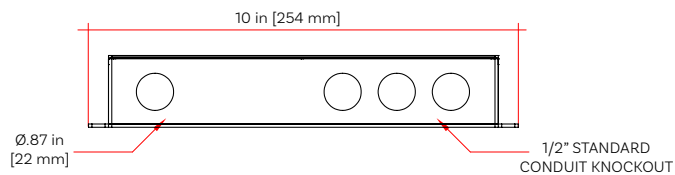
### MECHANICAL SPECIFICATIONS

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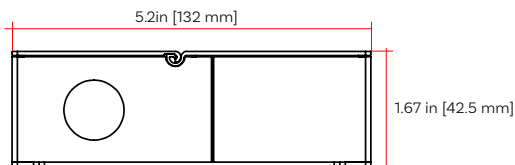
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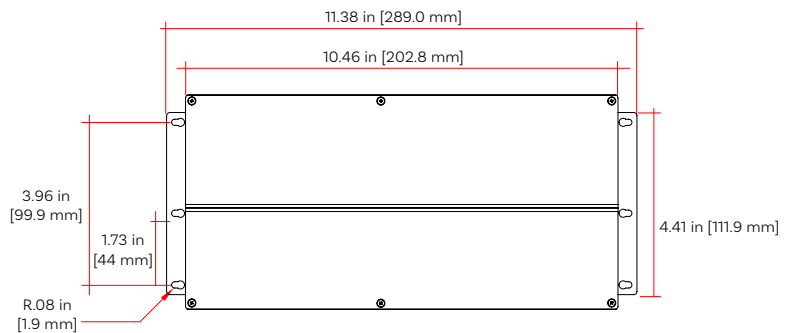


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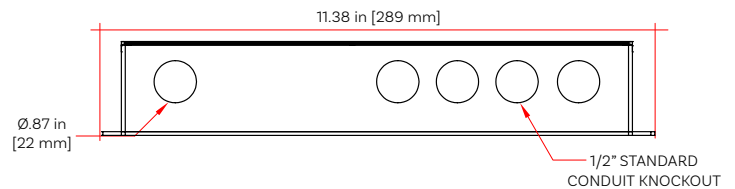


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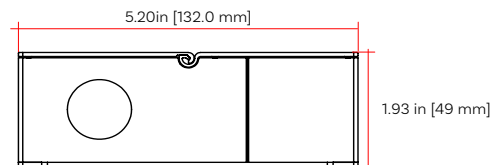
##### TOP VIEW



##### FRONT VIEW



##### SIDE VIEW



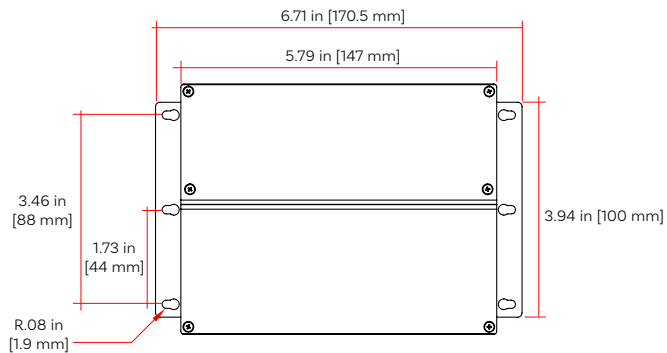
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*BDC-12V-XX, BDC-24V-XXW*

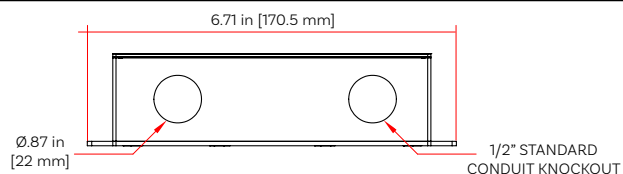
## MECHANICAL SPECIFICATIONS

**BDC-24V-30W**

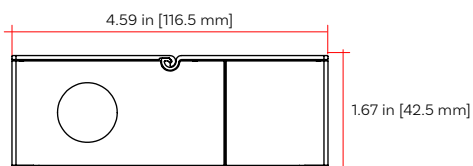
TOP VIEW



FRONT VIEW

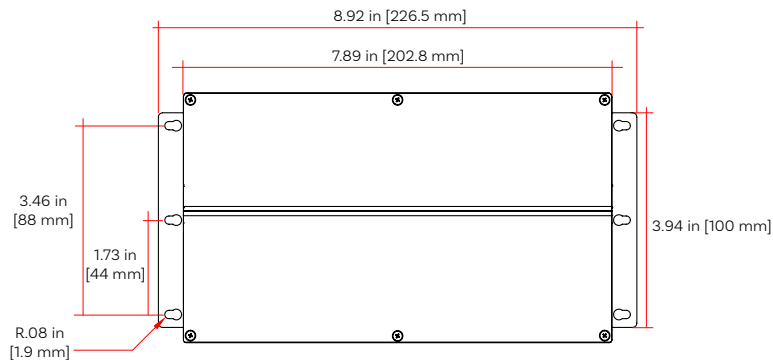


SIDE VIEW

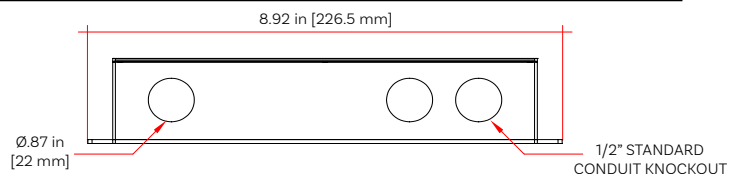


**BDC-24V-60W**

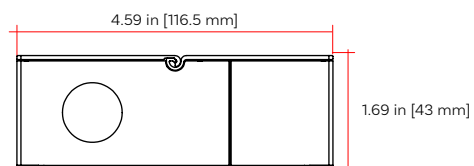
TOP VIEW



FRONT VIEW



SIDE VIEW





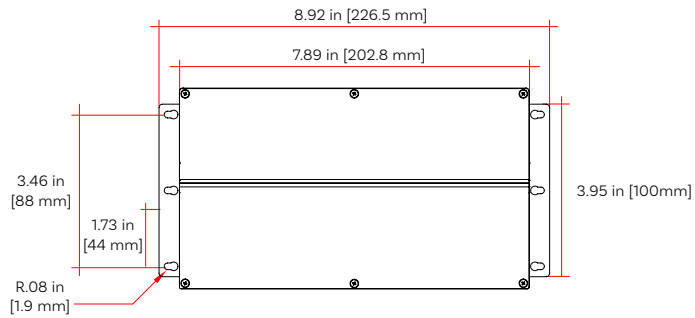
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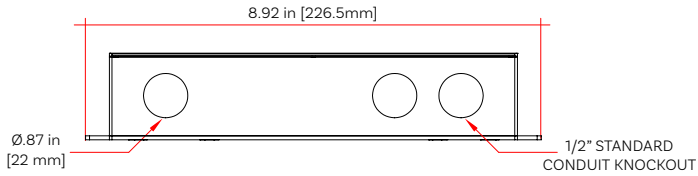
### MECHANICAL SPECIFICATIONS

#### BDC-24V-96W

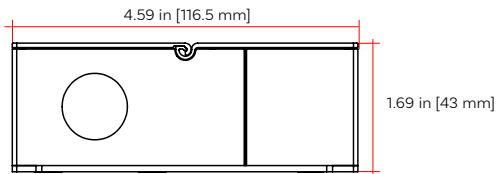
##### TOP VIEW



##### FRONT VIEW

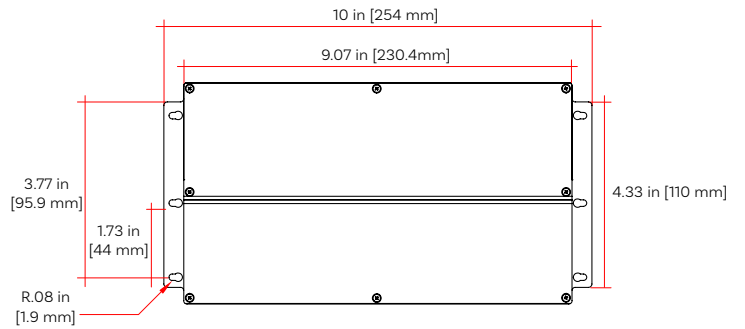


##### SIDE VIEW

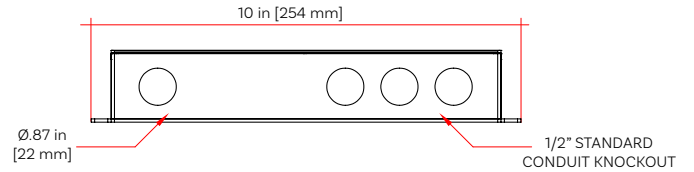


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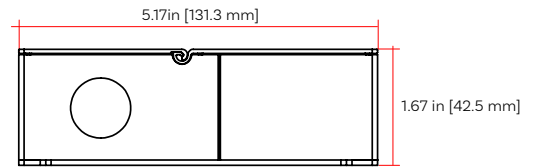
##### TOP VIEW



##### FRONT VIEW



##### SIDE VIEW





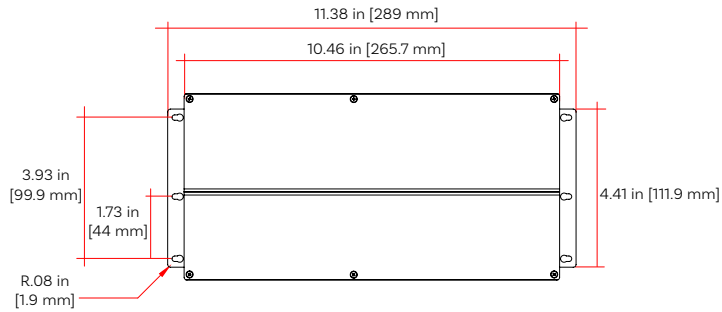
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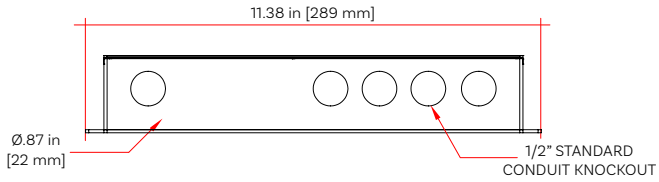
### MECHANICAL SPECIFICATIONS

#### BDC-24V-3x96W

##### TOP VIEW



##### FRONT VIEW



##### SIDE VIEW

