PrimaVolt® No Minimum Load Dimmable Driver with Junction Box

AL-98-03-12120-NM

PrimaVolt No Minimum Load Dimmable Drivers with Junction Box provide the smoothest, most stable, and most efficient power and dimming capability in our line of power supplies.

- Compatible with leading- and trailing-edge ELV, MLV, and incandescent dimmers, and on/off switches
- Wide-range compatibility, flicker-free dimming
- Includes ETL Listed junction box
- Short circuit and over current protection
- Air-cooled for longer life
- Dry/damp environment (IP20)

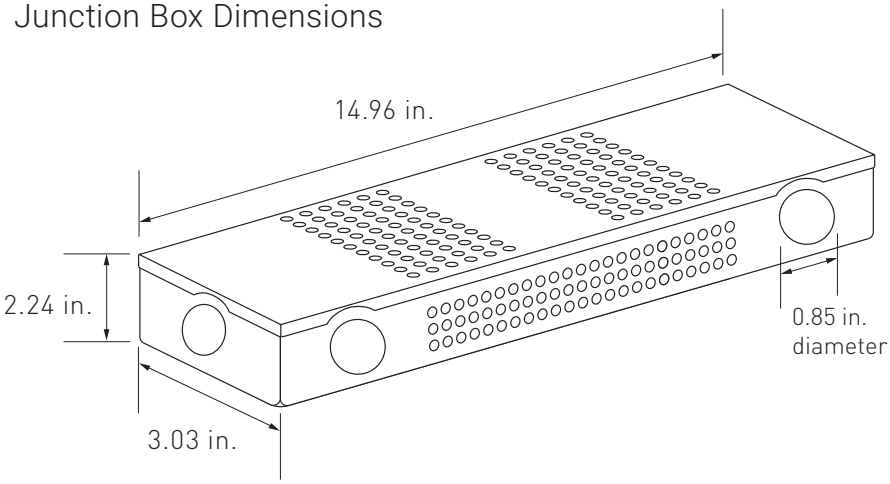
Note: For an inspection-ready solution, Alloy LED recommends using the included junction box.

QUICK SPECIFICATIONS

Input	120V	120 volts AC
Features	100% Max. Load; 0% Min. Load	100% maximum load 0% minimum load
Environment	DRY LOCATION; IP20	Dry/damp environment Protection from solid objects
Certifications	ETL Intertek; RoHS	ETL Listed junction box RoHS
Warranty	WARRANTY 5 YEAR	5 year limited

DIMENSIONS

Junction Box Dimensions



Dimensions of driver (LxWxH):
9 in. x 2.76 in. x 1.81 in.

TECHNICAL INFORMATION

Item Number		AL-98-03-12120-NM
Output	DC Voltage	12V DC
	Voltage Accuracy	±5%
	Rated Current	10A
	Rated Load	120W
	Minimum Load	0%
	Maximum Load	100%
Input	Specifed Input Voltage	120V AC
	Frequency Range	47~63HZ
	Power Factor (Avg.)	≥0.71/110V ; ≥0.73/220V
	Full Load Efficiency (Avg.)	>85%
	AC Current (Avg.)	0.66A/110V AC — 0.63A/170V AC — 0.57A/220V AC — 0.52A/265V AC
	Leakage Current	<0.27mA/110V/220V AC
Protection	Short Circuit	Short circuit protection and autorecovery
	Over Current	≤140V AC (90-135V AC), ≤270V AC (170-265V AC)
Environment	Working Temperature / Humidity	-40~+60°C / -40~+140°F / 20~90%RH, non-condensing
	Storage Temperature Humidity	-40~+80°C, -40~176°F / 10~95%RH
Safety and EMC	Safety Standards	EN-60950-1, EN61347-1 EN61347-2-13
	Withstand Voltage	I/P-O/P: 1.5KV AC
	Isolation Resistance	I/P-O/P: 100MΩ/500V DC/25°C, 77°F/70%RH
	EMC Emission	Compliance to EN55015, EN61000-3-2 (≥50% load)
Other	Warranty	5 Year Limited
	Size (Junction Box) LxWxH	14.96 x 3.03 x 2.24 in. (incl. mounting tabs)
	Size (Driver) LxWxH	9 x 2.76 x 1.81 in.

All parameters NOT specially mentioned are measured at 110V / 220V AC input, rated load, and 25°C, 77°F of ambient temperature.

Warning: Do NOT reverse polarity high voltage input of the driver as it will destroy the product.

DIMMER COMPATIBILITY

Note: Our drivers are compatible with most ELV, MLV, incandescent dimmers, and on/off switches.
Reference examples shown below.

LUTRON®
TGCL-153PR-WH
TGCL-153PH-WH
TG-600PR
TG-10PR-WH
DVCL-153PR-WH
DVWCL-153PH-LA
DV-600PR
DVW-603PGH-WH
MACL-153MH-LA
SCL-153PR-WH
S-600PR-WH
CTCL-153PDH-LA
CT-600PR
CT-603PGH-WH
CT-103PR-WH

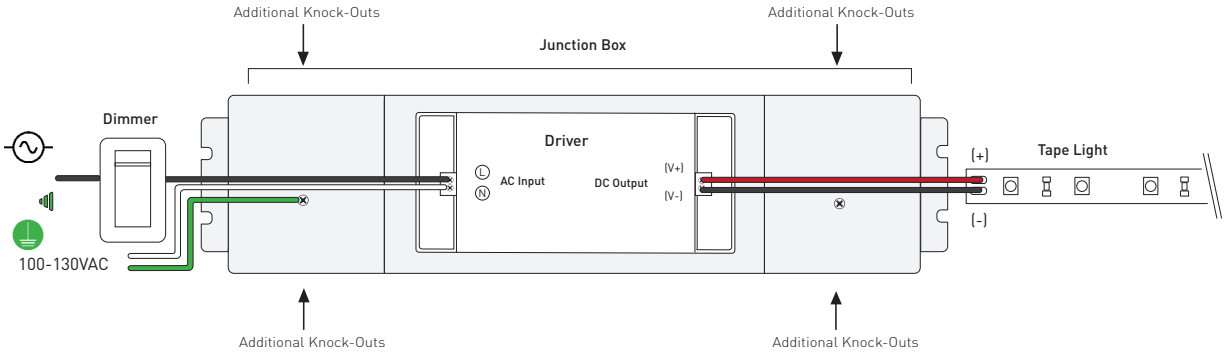
LEVITON
6602-IW
6672-1LW
6672-1LI
6672-1LT
6683-IW
IPL06
TBL03
TTI06-1LZ
VPI06-1LZ

INSTEON
2334-232
2442-222

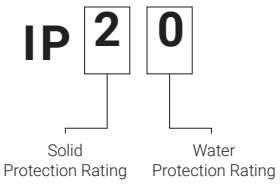
LEGRAND
ADTP700RMTUW1

WIRING DIAGRAMS

Using a Standard Wall Dimmer



IP (INGRESS PROTECTION) RATING GUIDE



Solid Ingress Rating		Water Ingress Rating	
0	Not protected against solid objects	**0**	Not protected against water
1	Protected against solid objects greater than 50mm	**1**	Protected against vertically falling water droplets
2	Protected against solid objects greater than 12.5mm	**2**	Protected against vertically falling water droplets with enclosure titled up to 15˚
3	Protected against solid objects greater than 2.5mm	**3**	Protected against sprays of water up to 60˚
4	Protected against solid objects greater than 1mm	**4**	Protected against water splashes from all directions
5	Protected against limited amounts dust	**5**	Protected against jets of water
6	Dust tight	**6**	Protected against heavy seas and jets of water
		7	Protected against immersion in 1m of water for up to 30 min.

TROUBLESHOOTING

Q: Why are the lights connected to the driver blinking roughly once a second?
A: The driver may be overloaded. Check to make sure the maximum wattage is not being exceeded. There could also be a possibility of incompatible voltage. Confirm that the driver and tape light voltage match.

Q: How do I determine the compatibility?
A: Check the voltage, wattage, load capacity of both the tape light and driver.

Q: Is it possible to have multiple runs of tape light that are daisy-chained together connect to a driver with 1 lead wire?
A: Yes, but only if the total length of consecutive runs do not exceed the tape light's maximum run and also does not exceed the driver's maximum wattage.