

Drivers for Luxeon™ LED's



Applications

- Rough service lighting
- Hazardous location lighting
- Landscape lighting
- Refrigeration
- Vending
- Orientation/step lighting
- Architectural lighting
- Wall sconces
- Undercabinet lighting

Luxeon LEDs from LumiLeds Lighting represent state-of-the-art in solid-state lighting devices. Luxeon offers the brightest LEDs on the market in a very compact package...ideally suited for high lumen, general lighting applications.

The Brain Behind the Bright Idea

Xitanium LED drivers from Advance Transformer Company are designed specifically to power Luxeon while incorporating features that enable broad commercialization of end-use solid-state lighting products.

Features

UL Class 2

Small, compact size

Inherent short circuit protection

Extreme low temperature performance (-40°C)

Generous high temperature capability (+60°C ambient; 80°/90°C case rating)

Tightly regulated output (1% line, 5% load)

5 year warranty

Powered by Advance

Benefits

Limited output voltage and current plus isolation for safe operation

Facilitates new, low-profile fixture design

Added safety...without any troublesome fuses

Allows use in any outdoor application

Margin flexibility to facilitate fixture design

Consistent light output across line and load levels

Peace of mind for your new products and for end users...from the industry's most trusted component maker

Advance is preferred by end users – Enhance the value of your product

Quick Selection Table

Xtitanium Catalog Number	Description	Application
LED-120A-0350C-33F	12 Watt 350mA	<ul style="list-style-type: none"> • 1-8 one-watt Luxeons
LED-120A-0700C-24F	17 Watt 700mA	<ul style="list-style-type: none"> • 6, 8, 10 or 12 one-watt Luxeons • 6-up and 12-up Luxeon lines, rings, or arrays • 1-3 Luxeon V (five watt)
LED-120A-0024V-10F	25 Watt 1050mA	<ul style="list-style-type: none"> • 9, 12, 15 or 18 one-watt Luxeons • 18-up Luxeon array
LED-120A-0024V-10D	25 Watt 1050mA Dimming	<ul style="list-style-type: none"> • 12, 15, or 18 one-watt Luxeons • 18-up Luxeon array
LED-120A-0024V-18F	40 Watt 1750mA	<ul style="list-style-type: none"> • 15, 20, 25 or 30 one-watt Luxeons

LED Driver Specifications

Catalog Number	Input			Output			Max Allowable Case Temp (C)	Figure	Weight (lbs.)
	Volts (60 hz)	Power, Max (W)	Current, Max (A)	Power, Min (W)	Current (mA)	Voltage (V)			
LED-120A-0350C-33F	120 +/- 10%	15.0	0.14	12.0	350 +/- 5%	2.6 - 32.6	90	A	0.14
LED-120A-0700C-24F	120 +/- 10%	21.5	0.20	17.2	700 +/- 5%	7.8 - 24.6	90	A	0.14
LED-120A-0024V-10F	120 +/- 10%	31.9	0.30	25.5	1050 +/- 5%	7.8 - 24.6	80	B	0.32
LED-120A-0024V-10D*	120 +/- 10%	31.9	0.30	25.5	1050 +/- 5%	10.4 - 24.6	80	B	0.32
LED-120A-0024V-18F	120 +/- 10%	51.0	0.47	40.8	1750 +/- 5%	7.8 - 24.6	85	B	0.32

*For complete specifications of dimming driver, see Advance Form No. LE-6010 available at www.advancetransformer.com

Total Harmonic Distortion: 20% max

Power Factor: 90% minimum

Efficiency: 80% typical

Line Regulation: 1% output voltage variation across input voltage range

Load Regulation: 5% output current variation across load range

Current Crest Factor: 1.5 Maximum

UL and C-UL Recognized

UL File Number E220165; dry location only

EMI: FCC Class A or B

Protection: Inherent short-circuit protection, self limited; overload protected; 3.2kv 60hz output insulation

Humidity: 80% RH

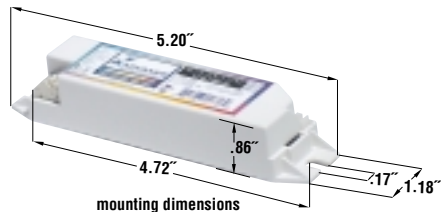


Figure A AC input: WAGO 2-pin wire trap, 18AWG solid or tinned stranded wire Line (black), Neutral (white)
DC output: Use Tyco-AMP connection cable 1365323-1 (not provided)

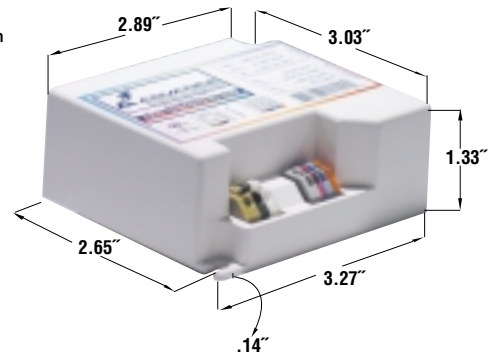
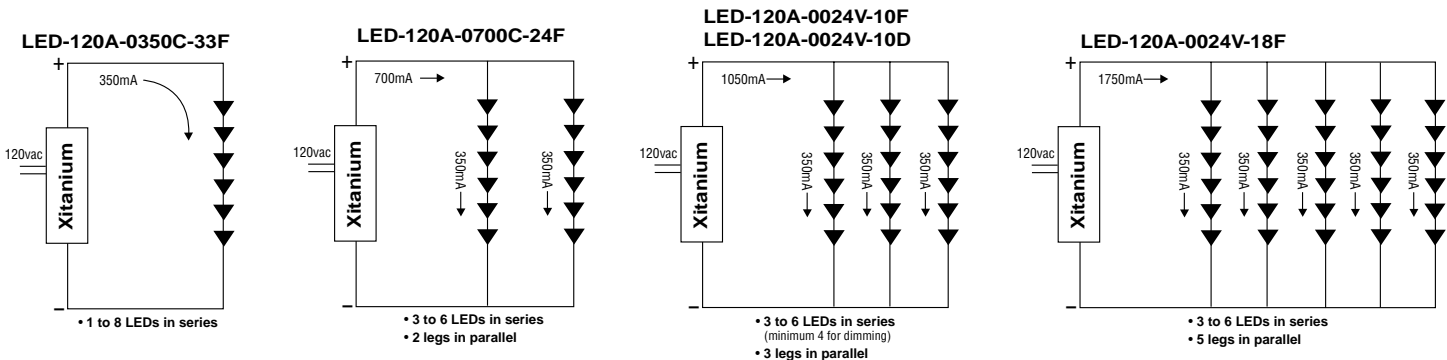


Figure B AC input: WAGO 2-pin wire trap, 18AWG solid or tinned stranded wire Line (black), Neutral (white), Ground (green)
DC output: WAGO 4-pin wire trap, 20AWG solid or tinned stranded wire Positive (red), Negative (blue), 0 - 10vdc dimming controls (violet and grey, for dimming unit only)



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