



LED DRIVERS

PRODUCT OVERVIEW:

Advance announces the expansion of its popular line of drivers for LED lighting systems to include two new damp location-rated drivers for Luxeon™ branded LEDs in each of two input voltages (120V and 230V). Specially designed for Luxeon products, the new drivers are available in both 350mA models (for up to 7 or 8 Luxeons) as well as 700 mA models (for up to 12 Luxeons, 1 Luxeon line, ring or array, 5 Luxeon III models, or 3 Luxeon V models). Previously offered in versions for dry locations only, Advance's new damp location-rated drivers are ideal in sign settings where moisture could be a concern, such as applications involving self-contained channel letters or raceway installations.

As with all of Advance's LED drivers, the new products support such standard features as leaded design, UL and CSA Class 2 rating including inherent short-circuit protection, high power factor, and operation down to -40°C. In addition, the drivers are rated for 50,000+ hours of life and carry Advance's full five-year warranty.

For additional information on LED drivers, please visit us at www.ledcentral.com

Xitanium®

LED Drivers for Luxeon™ LEDs



DESIGN HIGHLIGHTS:

- UL Class 2
 - Limited output voltage and current, plus isolation for safe operation
- Small, compact size
 - Facilitates new, low-profile fixture design
- Inherent short circuit protection
 - Added safety...without any troublesome fuses
- Extreme low temperature performance (-40°C)
 - Suitable for any outdoor application
- Generous high temperature capability (+60°C ambient; 80°/90°C case rating)
 - Margin flexibility to facilitate fixture design
- Tightly regulated output (1% line, 5% load)
 - Consistent light output across line and load levels
- 5-year warranty
 - Peace of mind for your new products and for end-users...from the industry's most trusted component maker
- Powered by Advance
 - Advance is preferred by end-users -- enhance the value of your product

APPLICATIONS:

- *Rough Service Lighting*
- *Hazardous Location Lighting*
- *Landscape Lighting*
- *Refrigeration*
- *Vending*
- *Architectural Lighting*
- *Wall Sconces*
- *Undercabinet Lighting*
- *Orientation/Step Lighting*

Quick Selection Table

Xtitanium Catalog Number	Description	Application	Figure	Env. Rating
LED-120A-0350C-33F	12 Watt 350mA	•1-8 one-watt Luxeons	A	Dry
LED-120A-0350C-28FO	10 Watt 350mA	•1-7 one-watt Luxeons	A	Dry, Damp
LED-120A-0700C-24F	17 Watt 700mA	•6, 8, 10 or 12 one-watt Luxeons •6-up and 12-up Luxeon lines, rings or arrays •1-5 Luxeon III or K2 LEDs •1-3 five-watt Luxeon V	B B A A	Dry Dry Dry Dry
LED-120A-0700C-24FO	17 Watt 700mA	•6, 8, 10 or 12 one-watt Luxeons •6-up and 12-up Luxeon lines, rings or arrays •1-5 Luxeon III or K2 LEDs •1-3 five-watt Luxeon V	B B A A	Dry, Damp Dry, Damp Dry, Damp Dry, Damp
LED-120A-0024V-10F	25 Watt 1050mA	•9, 12, or 18 one-watt Luxeons •18-up Luxeon array •1-5 Luxeon III or K2 LEDs	C C A	Dry Dry Dry
LED-120A-0024V-10D*	25 Watt 1050mA Dimming	•12, 15, or 18 one-watt Luxeons •18-up Luxeon array •4-5 Luxeon III or K2 LEDs	C C C	Dry Dry Dry
LED-120A-0024V-18F	40 Watt 1750mA	•15, 20, 25, or 30 one-watt Luxeons	D	Dry

LED Driver Specifications

Catalog Number	Input			Output			Max Allowable Case Temp (C)	Weight (lbs.)	Max. Wiring Distance	
	Volts (60 hz)	Power, Max (W)	Current Max (A)	Power Max (W)	Current (mA)	Voltage (V)			18AWG	20AWG
LED-120A-0350C-33F	120 +/- 10%	15.0	0.14	12.0	350 +/- 5%	2.6 - 32.6	90	0.14	108	68
LED-120A-0350C-28FO	120 +/- 10%	12.5	0.12	10.0	350 +/- 5%	2.8 - 28.0	90	0.14	108	68
LED-120A-0700C-24F	120 +/- 10%	21.5	0.20	17.2	700 +/- 5%	7.8 - 24.6	90	0.14	54	34
LED-120A-0700C-24FO	120 +/- 10%	21.5	0.20	17.2	700 +/- 5%	2.8 - 24.6	90	0.14	54	34
LED-120A-0024V-10F	120 +/- 10%	31.9	0.30	25.5	1050 +/- 5%	7.8 - 24.6	80	0.32	36	23
LED-120A-0024V-10D*	120 +/- 10%	31.9	0.30	25.5	1050 +/- 5%	10.4 - 24.6	80	0.32	36	23
LED-120A-0024V-18F	120 +/- 10%	51.0	0.47	40.8	1750 +/- 5%	7.8 - 24.6	85	0.32	22	14

*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

EMI: FCC Class A

Protection: Inherent short-circuit protection, self limited; overload protected; 3.2kv 60hz output isolation
Humidity: 80% RH

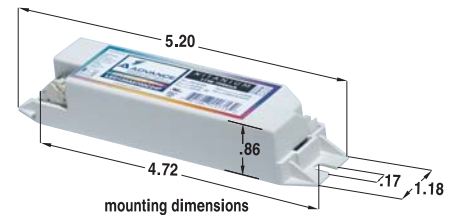


Figure A

Figure B, C, D

AC input: WAGO 2-pin wire trap, 18AWG solid or tinned stranded wire Line (black), Neutral (white)

AC input: WAGO 2-pin wire trap, 18AWG solid or tinned stranded wire Line (black), Neutral (white), Ground (green)

DC output: Use Tyco-AMP connection cable 1365323-1 (Not Provided)

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)

