PHILIPS

XITANIUM™
LED Drivers

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 Philips, the Lighting expert, are designed specifically to power Luxeon while incorporating features that enable broad commercialization of end-use solid-state lighting products.

Features	Benefits
Safe low voltage output	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)	Allows use in 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
50,000 hours lifetime	Peace of mind for your new products and for end users...from the industry's most trusted component maker
Powered by Philips	Philips is preferred by end users – Enhance the value of your product

Quick Selection Table

Xitanium Catalog Number	Description	Application
9137 001 81303	12 Watt 350mA	• 1-8 one-watt Luxeons
9137 001 81403	17 Watt 700mA	• 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-230A-0024V-10F or 9137 001 81503	25 Watt 1050mA	• 9, 12, 15 or 18 one-watt Luxeons • 18-up Luxeon array
9137 001 81903	25 Watt 1050mA Dimmimg	• 15 or 18 one-watt Luxeons - PWM Dimming
LED-230A-0024V-17F or 9137 001 81603	40 Watt 1750mA	• 15, 20, 25 or 30 one-watt Luxeons

LED Driver Specifications

Catalog Number	Input			Output			Max Allowable Case Temp (C)	Figure	Weight (lbs.)
	Volts (50 hz)	Power, Max (W)	Current. Max (A)	Power, Max (W)	Current (mA)	Voltage (V)			
9137 001 81303	230 +/- 10%	15.0	0.14	12.0	350 +/- 5%	2.6 – 32.6	90	A	0.14
9137 001 81403	230 +/- 10%	21.5	0.20	17.2	700 +/- 5%	2.8 - 24.6	90	A	0.14
9137 001 81503	230 +/- 10%	31.9	0.30	25.5	1050 +/- 5%	2.8 - 24.6	80	B	0.32
9137 001 81903*	230 +/- 10%	31.9	0.30	25.5	1050 +/- 5%	12.0 – 24.6	80	B	0.32
9137 001 81603	230 +/- 10%	51 0	0.47	40.8	1750 +/- 5%	2.8 – 24.6	85	B	0.32

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

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
CE marked
Dry location only
EMI: CISPR 15 Class A or B
Protection: Inherent short-circuit proteection, self limited; overaload protected; 3.2kv 50hz output insulation
Humidity: 80% RH

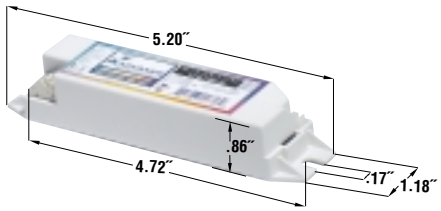

Figure A

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)

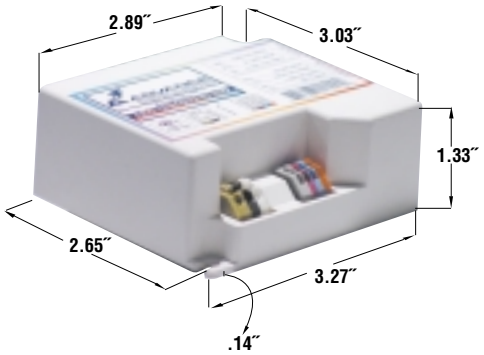

Figure B

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)