

LC SERIES

CONSTANT CURRENT LED DRIVERS

GENERAL INFORMATION

LED Drive Type	Constant Current, Class 2
Maximum Wattage	25W
Input Voltage	347 VAC (+/-10%)
Input Frequency	50/60 Hz
Power Factor @ Full Load	>0.9
Efficiency @ Full Load	86%
THD	<20%
Start-Up Time	<750ms
Output Current Tolerance	5%
Line Regulation	1%
Load Regulation (Max Load)	2%
Ripple Current	<10%
Dimming	0-10V (min 10%)
Output Over Current Protection	Hiccup Mode
Output Short-Circuit Protection	Hiccup Mode
Over Temperature Protection	Hiccup Mode
EMI Compliance	FCC Part 15 Class B

CONSTANT CURRENT LED DRIVER CASE STYLE P: METAL



ENVIRONMENTAL SPECIFICATIONS

Minimum Operating Temp.	-40° C
Maximum Case Temp.	+90° C
Maximum Storage Temp.	+85° C
Maximum Relative Humidity	95% Non-condensing
UL Environment Rating	Dry and Damp
Sound Rating	Class A

APPROVALS



WARRANTY

- 5 year limited warranty

ELECTRICAL SPECIFICATIONS

Max. Power	Rated Current	Output Voltage (VDC)	Input Voltage	Dimming Type	Input Power	Input Current	Efficiency	Part Number
25W	Dimming Model							
	700mA	12 - 36 VDC	347 VAC	0-10V Dimming	29W	0.10A	86%	LC25-0700Z-347-P

Custom output currents, input voltages, and dimming available as Made to Order.

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Technical drawing of the Tc Max 90C probe. The drawing includes a side view and a top view. Dimensions are provided in millimeters (mm) with values in brackets.

Side View Dimensions:

- 1.16 [29.5]
- 0.69 [17.4]
- 9.04 [229.7]
- 8.40 [213.4]
- 5.30 [134.6]
- 0.58 [14.8]
- 0.30 [7.7]
- 0.26 [6.7]
- 0.33 [8.4]
- 0.24 [6.0]

Top View Dimensions:

- 1.05 [26.7]
- 9.50 [241.3]

Labels:

- Tc Max 90C
- ln[mm]

Input	12", Black (L), White (N) #18 AWG
Output	12", Red (+), Blue (-) #22 AWG
Dimming	12", Purple (+), Pink (-) #22 AWG

Package Weight	13oz
Quantity	50pcs/carton

A line graph showing the relationship between Power factor (Y-axis) and Pout % (X-axis) for a 347 VAC system. The Y-axis ranges from 0.70 to 1.00 in increments of 0.05. The X-axis ranges from 50 to 100 in increments of 5. A single green line represents the 347 VAC data, showing a steady increase in power factor as Pout % increases.

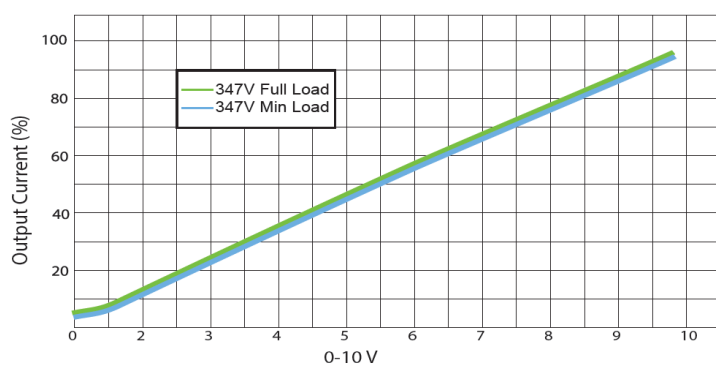
Pout %	Power factor (347 VAC)
50	0.90
55	0.91
60	0.92
65	0.93
70	0.935
75	0.94
80	0.945
85	0.95
90	0.955
95	0.96
100	0.96

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PERFORMANCE CURVES

Dimming Curve - 0-10V Dimming



Lifetime vs. Case Temperature

