

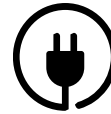
ELD Series

12VDC Plug-In LED driver



ELD Series

12VDC Plug-In LED Driver



Features

- Plug-and-Play Option: Available with an input plug-in version
- 12V/24VDC Models: 100W to 300W options available
- Ultra-Slim: 100W model under 0.8" for tight spaces
- Ideal for Controllers: Powers any low-voltage system
- UL Certified & IP65 Rated: Safe for wet or dry use
- High Efficiency: Up to 90% at full load

Applications

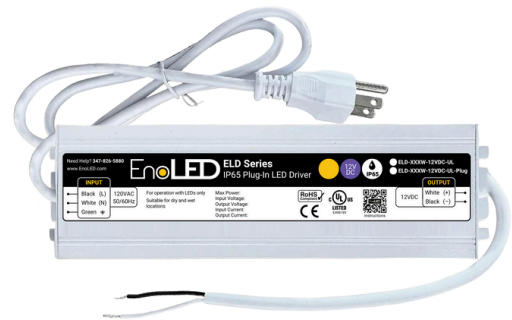
- LED strip
- LED tape
- Cove lights
- Linear lights
- Puck lights

Ordering info



Direct Wire Version

Ordering Code	Max Load	Vin	Vout
ELD-100W-12VDC-UL	100W	120VAC	12VDC
ELD-200W-12VDC-UL	200W	120VAC	12VDC
ELD-300W-12VDC-UL	300W	120VAC	12VDC



Plug-In Version

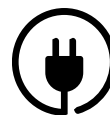
Ordering Code	Max Load	Vin	Vout
ELD-100W-24VDC-UL-Plug	100W	120VAC	12VDC
ELD-200W-24VDC-UL-Plug	200W	120VAC	12VDC
ELD-300W-24VDC-UL-Plug	300W	120VAC	12VDC

Wiring Diagram



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Specifications

Input	Ordering Code: ELD-100W-12VDC-UL	ELD-200W-12VDC-UL	ELD-300W-12VDC-UL
Input Voltage Range:	100-264VAC	100-264VAC	100-264VAC
Input Frequency:	50-60Hz	50-60Hz	50-60Hz
Input Current:	1.47A max	3.05A max	4.53A max
Inrush Current:	55A max	60A max	60A max
Efficiency:	90%	89%	89%
Power Factor:	PF>0.6	PF>0.6	PF>0.6
No-load Power Consumption:	<3W	<3W	<3W
Control Surge Capability:	L,N:2KV L,N-PE:4KV	L,N:2KV L,N-PE:4KV	L,N:2KV L,N-PE:4KV
Leakage Current:	0.5mA max	0.5mA max	0.5mA max
THD:	>20%	>20%	>20%

Output

Output Voltage:	12VDC	12VDC	12VDC
Maximum Load:	100W	200W	300W
Output Current @ Max Load:	8.5A	16.7A	25A
Output Ripple (Peak-to-Peak):	≤120mV	≤240mV	≤240mV
Line Regulation:	±1%	±1%	±1%
Load Regulation:	±1%	±1%	±1%
Turn on delay time:	600ms	600ms	600ms

Environmental

Operating Ambient Temp.:	-40°F - 104°F (-40°C - 40°C)	-40°F - 104°F (-40°C - 40°C)	-40°F - 104°F (-40°C - 40°C)
Maximum Case Temp. (Tcase):	80°C	80°C	80°C
Storage Temp.:	-40°C ~ 80°C, 10~95%RH	-40°C ~ 80°C, 10~95%RH	-40°C ~ 80°C, 10~95%RH
Ingress Protection (IP):	IP65	IP65	IP65
Expected Lifetime:	100k hours at 70C	100k hours at 70C	100k hours at 70C

Protection

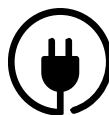
Over Current Protection:	Shut down, re-power after fault condition is removed
Over Temperature Protection:	Shut down, re-power after fault condition is removed
Overload Protection:	CC Mode ≥110%~150%, shut down, re-power after fault condition is removed
Short Circuit Protection:	Shut down, re-power after fault condition is removed

Enclosure

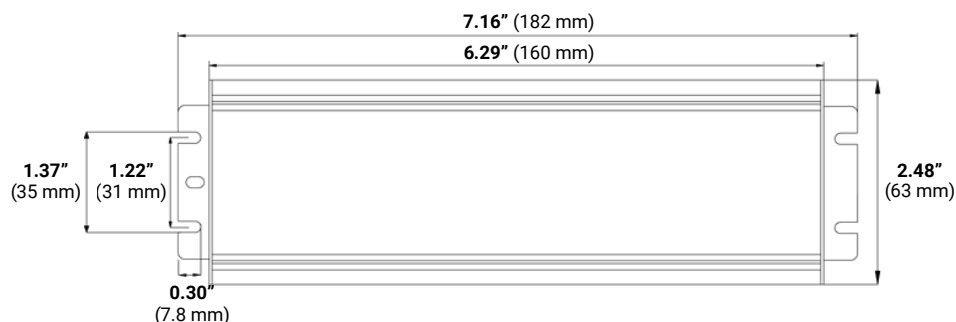
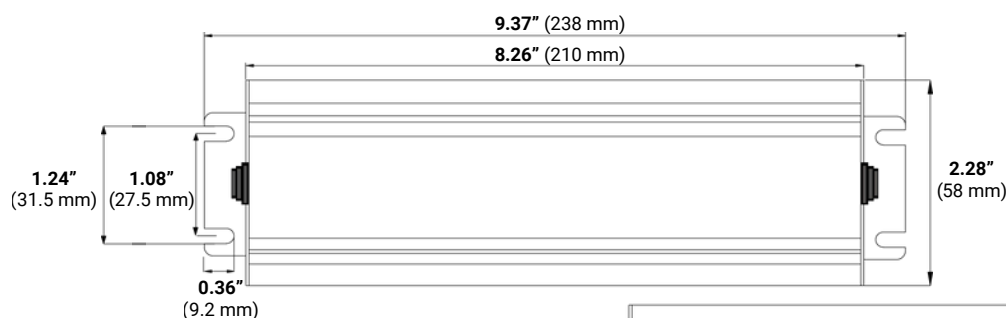
Dimensions:	7.16" x 2.48" x 0.72"	9.37" x 2.28" x 1.25"	8.97" x 2.83" x 1.25"
Material:	Aluminium	Aluminium	Aluminium
Finish:	White / Gray	White / Gray	White / Gray
Connection type:	Plug-In / Direct Wire	Plug-In / Direct Wire	Plug-In / Direct Wire
Weight:	0.4kg	0.75kg	0.9kg

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Mechanical Diagrams

100W**200W****300W**