

E-Dimming LED Driver

Design and Quality EASEIC of USA

LED103B E-DIMMING DALI DRIVER

SPEC SHEET



36W 24V 0-1.5A DALI Dim
LED103B
69303602



RoHS

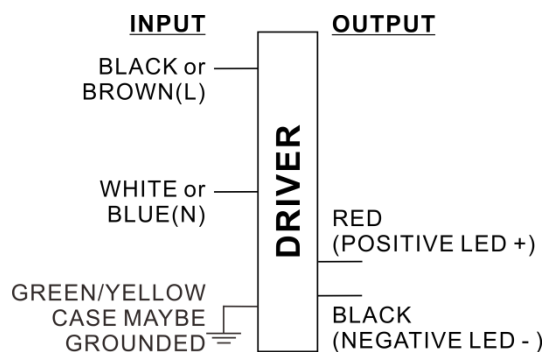
Features

- Output constant voltage
- Range 100-265VAC
- Built-in active PFC function
- Efficiency 86%
- Protections: short circuit/over load/ over current/over temperature
- Cooling by free air convection
- IP20 design for indoor or outdoor installation .
- Dimming function: Built in DALI interface dimming function
- conform to DALI Protocol IEC62386
- Dimming range from 0.1% to 100%
- Suitable for intelligent LED lighting
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp/wet locations

Benefits

- Enables design of low profile and compact fixtures
- Helps to maximize energy savings and allows application specific light levels

Wire Diagram



Note:

Install in accordance with National and Local Electrical Codes.

Please pay special attention to wiring installation guidelines, Wrong wiring will cause damage to the LED driver.

Before connection the power, make sure you have access to the LED load.

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Electrical Specifications

Ordering Information			
Type	LED103B		
Order Code	69303602		
Full product name	E-Dimming 36W 24V 0-1.5A DALI Dim		
Input Information			
Line Voltage	100-264Vac_rms		
Full load Efficiency(Typ)	83%	84%	85%
Line Current	0.21A@220VAC	0.21A@230VAC	0.21A@240VAC
Line Frequency	47/63Hz		
Min, Mains Voltage operational	90[min]		
Max, Mains Voltage operational	277[max]		
THD(total)	<20%		
Power Factor(PF)	>0.99/220V		
Leakage Current(Typ.)	<0.7mA/230VAC		
Output Information			
Output Constant Voltage	24V		
Output Current	0-1.5A		
Protections	Over Current, Over Voltage, Short Circuit and Open Circuit Protection for LED+ and LED-		
Ambient Temp Range	-20°C to +60°C, 20-95% RH non-condensing		
Max Case Temperature(Tc)	75°C for Life & 85°C for TUV Safety		
Features			
Dimming Interface	DALI(IEC62386) Sink Current<2mA		
Dimming range	0.1-100%		
Environment & Approbation			
Environmental Protection Rating	TUV damp and dry		
Agency Approbations	ENEC EN61347-1,EN61347-2-13 independent, EN62384,TUV EN60950-1		
Electromagnetic Compliance	Compliance to EN55015,EN61000-3-2 Class C(@100% Load);EN6100-3-3 Compliance to EN61000-4-2,3,4,5,6,8,11;EN61547,EN55024, light industry level(surge 2KV), criteria A		
Other Information			
Dimension	180x60x34mm		
Weight	0.55KG		
Packing	355*215*215mm/20pcs/CTN		

All the specifications are typical and at 25 °C Tcase unless specified otherwi

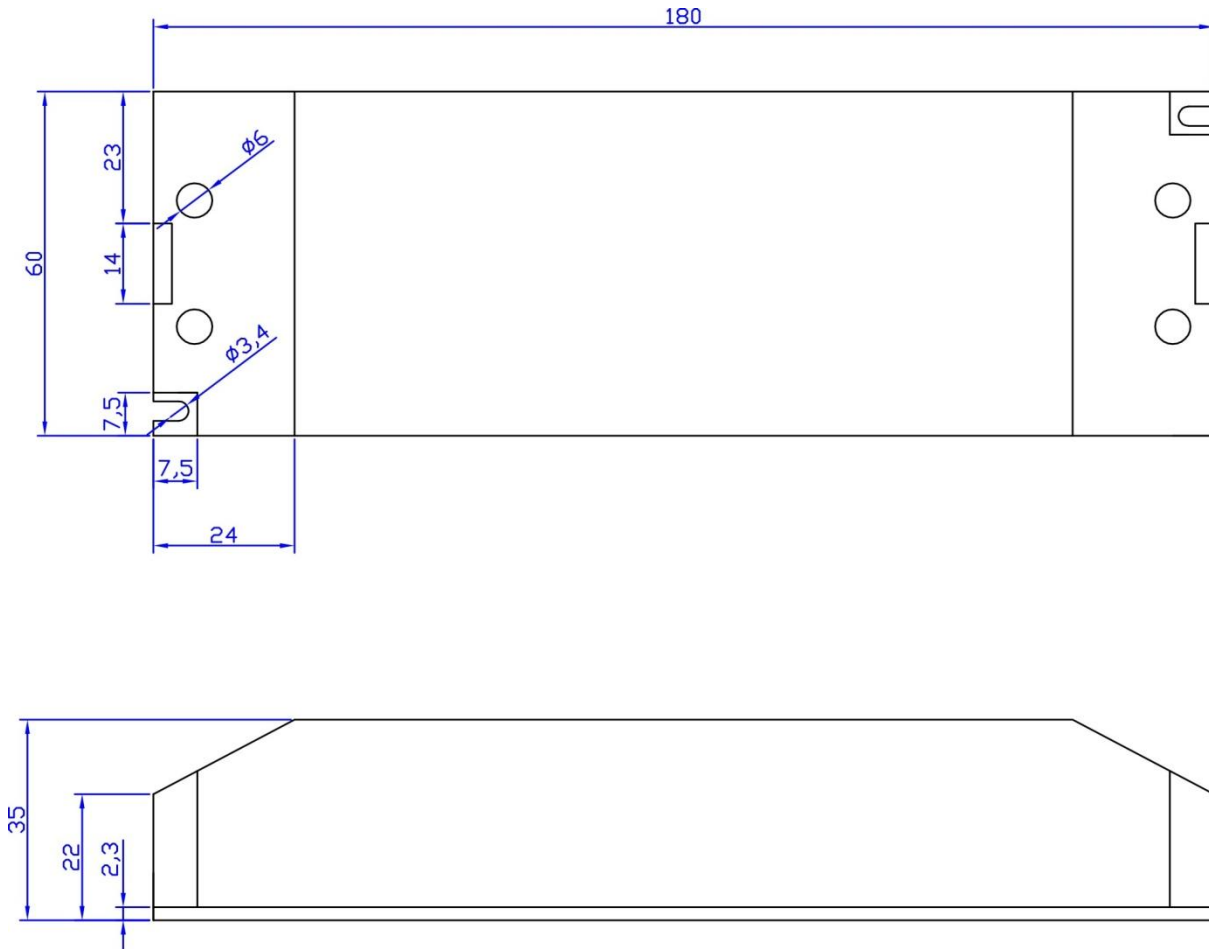
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Mechanical Specifications

Mechanical Drawing:



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