



New in Emergency Lighting

Flexible Control Innovation for LEDs

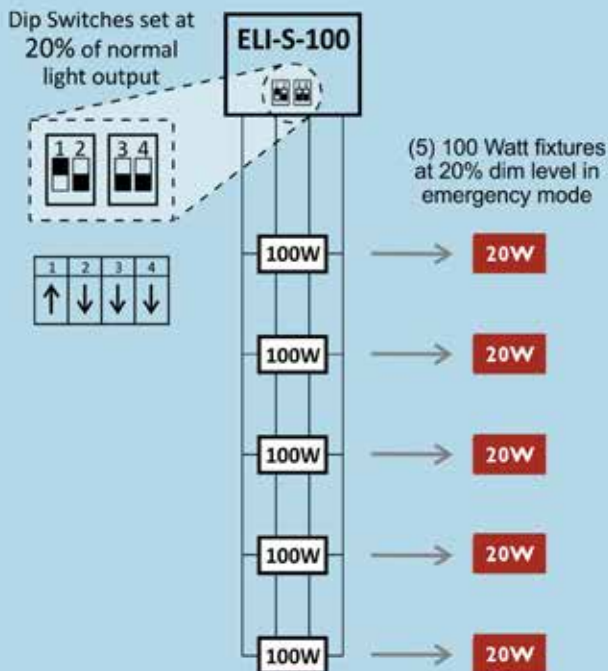
The Philips Bodine 100W ELI-S-100 Sinusoidal Emergency Lighting Inverter

PHILIPS
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The Philips Bodine **ELI-S-100** Features a NEW and Unique Capability: Dimming LEDs in Emergency Mode



Emergency Lighting Dimming Example



The ELI-S-100 dimming feature should only be used with LED sources and requires a dimming AC driver. Most AC drivers are dimmable.

ELI-S-100 allows a higher power fixture to operate at a dimmed 100W maximum emergency-mode lighting level. Therefore, instead of using a high-power inverter for a 400W fixture, you can use the ELI-S-100 and dim the fixture to 100W in emergency mode.

The ELI-S-100 provides a dimming control output of 0-10 volts and can be used with multiple LED loads.

ELI-S-100 allows a string of multiple fixtures to be driven in reduced emergency-mode illumination at a combined 100W maximum.

The emergency mode output dimming voltage is field-settable in five steps to provide nominally 20%, 40%, 60%, 80% or 100% light output.

ELI-S-100 is a battery-powered backup device that senses the loss of normal power and immediately provides emergency power to the input side of the connected lighting load.

How It Works

The Philips Bodine ELI-S-100 Emergency Lighting Inverter converts LED and fluorescent fixtures into code-compliant emergency lighting sources. The inverter senses the loss of normal power and immediately begins supplying emergency power to the connected lighting load. The ELI-S-100 provides emergency output power of 100W maximum and supports the lighting load for a minimum of 90 minutes, in accordance with emergency lighting requirements (e.g., NFPA 101® Life Safety Code®).

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Q&A:

Q: Must the ELI-S-100 be used with a dimming AC LED driver?

A: Yes. The AC LED driver must be dimming.

Q: Will the ELI-S-100 dim a medium base LED lamp?

A: No. The ELI-S-100 sends a 0-10V dimming signal to the AC LED driver. Because the medium base LED lamps do not use 0-10V dimming, the ELI-S-100 can only operate these lamps at 100%.

Q: If I have multiple fixtures on the circuit with the ELI-S-100, can I dim some fixtures and not others?

A: Yes, as long as there is no signal wire going to the units that will not be dimmed.

Q: Do I have to use the dimming feature?

A: No.



Two models are available:
ELI-S-100-120V and
ELI-S-100-277V.



Product Highlights

- Compatible with LED and fluorescent fixtures
- Provides emergency output power of 100W maximum
- Features sinusoidal output
- Offers dimming capabilities (0-10 volts) in LED applications
- May be connected to one or multiple fixtures
- Supports emergency lighting for a minimum of 90 minutes
- Includes fused output load connections
- Two versions available: 120V model and 277V model
- Remote mounting distance: 250 ft.
- Temperature rating: 32° F to 104° F (0° C to 40° C)
- Dimensions: 12.562" x 9.812" x 4.675" (319 mm x 249 mm x 119 mm)
- Weight: 25 lbs. (11.34 kg) with batteries installed
- Warranty: Unit, 5 years; Battery, 3 years +7 years pro-rated
- UL Listed/CSA Certified
- Designed for field installation



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