



**APPLIED  
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**ACL-12-1325**

**CCFL INVERTER**

*(For Multiple Tube Applications)*

**PRODUCT DATA SHEET**

3/21/02

The ACL-12-1325 is designed to power 32 CCFL's to a nominal power level of 62 watts.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 4 of CON1. Enable control is accomplished at pin 7 of CON1 (0V=off, 5V=on).

This inverter is designed to drive an Innova 32 tube dual bank 18" backlight that is configured with 22pF ballast capacitors (1 per CCFL).

**Specifications:**  
*(When connected an Innova 32 Tube, 18" backlight configured with one 22pF ballast capacitor per CCFL)*

Vin = +12V +/- 10%

CCFL strike voltage = 1100Vrms @ Vin=12V

CCFL tube current = 3.5mA/tube @ 100% intensity/Vin=12V

Recommended CCFL sustaining voltage = 500Vrms - 600Vrms

Nominal tube current frequency = 28khz +/- 10%

PWM Frequency = 98Hz +/-2%

Pwm duty cycle range = 0 to 100%

External PWM signal input control via enable pin

Average electrical efficiency >90%

UL 1950 Recognized

