

National Semiconductor

TRIAC Dimmable Down Light Fixture

The TRIAC dimmable down light fixture demonstrates National Semiconductor's turn-key solutions for driving and controlling LEDs in fixtures. This complete drive and control solution is based on National's LM3445 TRIAC dimmable LED driver. The solution interfaces to a standard-forward or reverse-phased wall dimmer or a 0V-10V dimmer while protecting the fixture via an interface to an external temperature sensor mounted to the LED heat sink. National's experts in Line-to-LED drive, controls, safety regulations, and EMC can help customers quickly bring their products to market.



Part Number: LM3445 TRIAC Dimmable Solution >>

Features:

- Seamless retrofit of existing fixtures interfaced to wall dimmer
- Can be interfaced to both forward and reverse phase standard wall dimmers (or 0V-10V dimmer)
- 100:1 smooth and linear dimming without any 120 Hz flicker, especially at low dim levels
- 100W replacement fixture consumes ~15W of power
- 0.95 power factor or better depending on the application
- Temperature foldback control via external temp. sensor connected to LED array

Applications:

- Down light LED retrofit fixtures
- New LED down light installations

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