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# EVALLEDICL8201F2

T8 Lamp Reference Design

## Description:

This board is a 18 W 270 mA average current controlled single stage, cascade structure for floating bulk topology Single End Cap T8 LED lamp reference design using LED driver IC [ICL8201](#) and CoolMOS™ [IPS65R1K5CE](#). It has high efficiency, high PFC and various modes of protections with very low external component count. ICL8201 concept supports simple buck inductor without auxiliary winding.

## Summary of Features:

- Advanced cascode topology enables lower system cost and higher system efficiency
- Supports wide range AC or DC input
- Single inductors without auxiliary winding

## Benefits:

- Minimum external components supporting small form factors and easy design-in
- High efficiency
- High Power Factor
- Full set of protection modes including intelligent Over-Temperature-Protection

## Target Applications:

Single End Cap T8 form factor LED lamp

