

## LED Driver 2300uA Supply Current T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Infineon Technologies Corporation](#)

**Package/Case:** SOP8

**Product Type:** Optoelectronics

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

## General Description

The ILD8150E is a 80V DC-DC converter IC, designed to drive high power LEDs. For applications operating close to safe extra-low voltage (SELV) limits, it provides a high safety voltage margin. The buck LED driver IC is tailored for LEDs in general lighting applications with average currents up to 1.5A using a high-side integrated switch. Several performance and protection features provide ideal fit for professional LED lighting.

## Key Features

Input voltage ranging from 8V  
DC  
DC  
Up to 1.5A average output current  
Efficiency values of more than 95%  
Maximum duty cycle up to 99%  
Up to 2 MHz switching frequency  
Soft-start  
PWM dimming input with 250Hz to 20kHz PWM dimming frequency  
Analog dimming 100 to 12.5%  
Hybrid dimming 12.5 to 0.5% with 3.4kHz flicker-free modulation  
Dim-to-off  
Adjustable max. output current via shunt resistor  
Typical 3% output current accuracy  
Overtemperature protection  
Pull-down transistor to avoid LED glowing in dim-to-off  
DSO-8 with exposed pad for higher thermal performance

## Application

LED driver  
Tunable white  
Multichannel lighting

## Recommended For You

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### ILD8150XUMA1

Infineon Technologies Corporation  
PG-DSO-8

### BTS5590G

Infineon Technologies Corporation  
SSOP36

### ICB1FL02G

Infineon Technologies Corporation  
SOP18

### BTS5662E

Infineon Technologies Corporation  
SSOP36

### ICL5101

Infineon Technologies Corporation  
SOP16

### ICB2FL01G

Infineon Technologies Corporation  
SOP19

### BTS5576G

Infineon Technologies Corporation  
SSOP36

### ICB2FL02G

Infineon Technologies Corporation  
SOP19

### BCR421UE6327HTSA1

Infineon Technologies Corporation  
PG-SC74-6

**BCR420UE6327HTSA1**

Infineon Technologies Corporation

SC-74

**IR2159**

Infineon Technologies Corporation

DIP

**BCR402UE6327HTSA1**

Infineon Technologies Corporation

PG-SC74-6

**TLE4242GATMA3**

Infineon Technologies Corporation

TO-263-8

**BCR401UE6327HTSA1**

Infineon Technologies Corporation

SC-74

**BTS5672EAUMA2**

Infineon Technologies Corporation

PG-DSO-36-36