





The TLD 5095EL and the TLD 5098EL are two smart LED boost controllers with built in protection and diagnostic features. The main function of these devices is to step-up (boost) the output voltage and regulate a constant LED current. The TLD 5095EL offers a status pin for diagnostic purpose the TLD 5098EL a set pin to adjust the average LED current so called analog dimming.

# **Application**

- Automotive interior and exterior lights
- LED daytime running lights
- LED front lights
- Boost to Ground, Boost to battery and SEPIC configuration possible

# RoHS



www.infineon.com/power-led

# Key Features & Benefits

# TLD 5095EL

Implemented status pin to indicate fault conditions

# TLD 5098EL

 Analog dimming feature to adjust average LED current

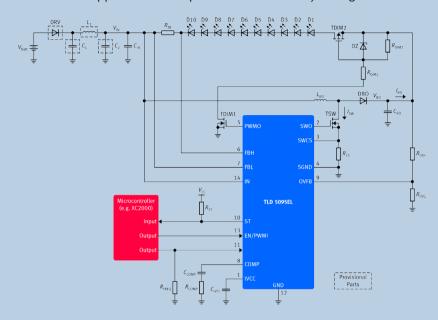
# TLD 5095EL / TLD 5098EL

- Wide input voltage range from 4.75V to 45V
- Constant current or constant voltage regulation
- Flexible switching frequency from 100 kHz to 500 kHz
- PWM dimmimg
- Output overvoltage protection
- Available in a small, thermally enhanced PG-SSOP-14 exposed pad package

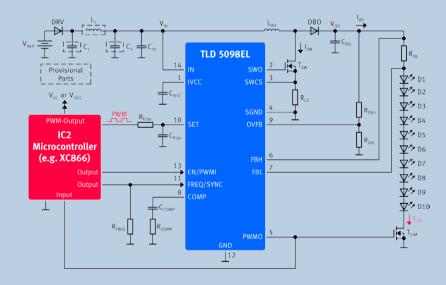
# TLD 5095EL / TLD 5098EL

# Infineon® Power LED driver- boost controller

# TLD 5095EL Application Example in Boost to Battery Configuration



# TLD 5098EL Application Example in Boost to Ground Configuration



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