

SSLTWDB1182

10-LED 29 V 350 mA Tunable White LED load

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Demo board description

With incandescent light bulbs, the light color becomes warmer and more atmospheric as they are dimmed and become less bright. In contrast, LED lamps are typically unable to match the colors experienced by the users of conventional light bulbs, over the entire dimming range. This solution allows LED lamps to closely imitate the traditional incandescent light bulb, to produce a cosier white light as they are dimmed. The Tunable White function can be used in conjunction with a dimmable LED driver.

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- ### Features
- LEDs used: 8 warm white LEDs and 2 PC Amber LEDs
 - LED voltage: 29 V typical
 - LED current: 350 mA
 - LED power: 10 W (60 W incandescent equivalent)
 - Color temperature: > 2750 K (at 350 mA)
 - Color temperature: < 2400 K (at 100 mA)
 - Low Bill Of Materials (BOM) for tunable white cicuity: 12 discrete components
 - At nominal power all LEDs operate at nominal current for highest lumen output
 - Flexible LED forward voltage

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Descriptive summary

Demobox content
Demoboard, heatsink, optical dome, Quick start guide

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Documentation for this product

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File name	Title	Type	Format	Date
AN10912	SMPS EMC and layout guidelines	Application note	pdf	2011-02-18

Demo boards

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Type number	Description	Status	Quick access
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