



## NCL30000LED3GEVB: 90-305 Vac Extended Full Range LED Driver Evaluation Board

This is a single stage power factor corrected isolated flyback LED driver intended for lighting applications such as down lights, PAR lamps and residential/commercial indoor and outdoor LED fixtures. The NCL30000 is based on a fixed on-time, critical conduction mode (CrM) flyback topology. The board is designed to provide 350 mA of constant current and drive up to 15 W of LEDs in a single string. Closed loop regulation of the LED current is achieved which results in accurate current regulation across a range of LEDs forward voltage and line conditions. The design is power factor corrected with a nominal PF of >0.96. The design supports an input range of 90-305 Vac which include the US commercial lighting voltage of 277 Vac. Unlike the other two reference designs in this series, this version of the board is designed for static lighting applications that do not require line dimming



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### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCL30000LED3GEVB	Active	Pb-free	90-305 Vac Extended Full Range LED Driver Evaluation Board	NCL30000DR2G	<a href="#">» Contact Local Sales Office</a> <a href="#">» Inventory</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCL30000LED3GEVB Bill of Materials ROHS Compliant	NCL30000LED3GEVB_BOM_ROHS.PDF - 117.0 KB	8
Eval Board: Gerber	NCL30000LED3GEVB Gerber Layout Files (Zip Format)	NCL30000LED3GEVB_GERBER.ZIP - 50.0 KB	1
Eval Board: Schematic	NCL30000LED3GEVB Schematic	NCL30000LED3GEVB_SCHEMATIC.PDF - 35.0 KB	4
Eval Board: Test Procedure	NCL30000LED3GEVB Test Procedure	NCL30000LED3GEVB_TEST_PROCEDURE.PDF - 138.0 KB	0

