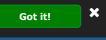
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NCL30000LED3GEVB: 90-305 Vac Extended Full Range LED **Driver Evaluation Board**

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



| Evaluation/Development Tool Information | | | | | |
|---|------------|-------------------|-------------------------------------|--|--|
| Status | Compliance | Short Description | Parts Used | Action | |
| Active | Ph-tree | 5 | NCL30000DR2G | Contact Local Sales Office >> Inventory | |
| | Status | Status Compliance | Status Compliance Short Description | Status Compliance Short Description Parts Used Active Pb-free 90-305 Vac Extended Full Range LED Driver Evaluation Board NCL30000DR2G | |

| Technical Documents | | | | | |
|-------------------------------|--|---|-----|--|--|
| Туре | 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 | | |

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