

ON Semiconductor

# Area Lighting LED Wall Pack

This is a single stage up to 90W offline (90V - 305 VAC) isolated power factor corrected flyback driver with constant current output regulation up to 1.5A. It is optimized to drive a string of high power LEDs. The output voltage is limited to 60V (UL1310 Class 2 requirement) and can drive up to 16 LEDs in series. The design supports analog, PWM and multi-level dimming control to provide a wide range of light management flexibility. This demo uses a motion sensor to implement bi-level dimming control to improve energy saving.

**Part Number:** NCL30001 and NCS1002 >>

#### Features:

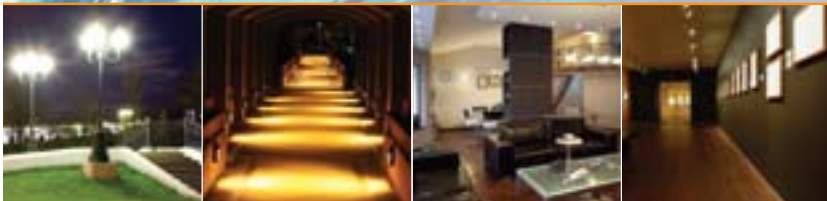
- Single stage power factor corrected topology
- PF > 0.95 typical
- Efficiency 88% typical
- PWM, analog or multi-level dimming
- Accurate current regulation +/- 2%
- Robust safety protection

#### Applications:

- Wall packs
- Street lighting
- Low bay/parking structure lighting
- Bollards
- Architectural lighting
- Refrigerator case lighting



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