

# LED ENGINE

## 2.75W

## 425 LUMEN

LDN-01NS-81-00 (10-30VDC)

Lunasea LED Light Engine. Offering bright light output with a color rendering of >80 CRI. Beam angle of 120 degree great for area lighting. 12 & 24VDC applications. Circuitry has EMI suppression and surge protection. On/off switch returns to same state when power is reapplied. Does not require a heatsink.

- Small Size - 117mm (4.6") L x 30.5mm (1.2")W
- Reverse Polarity Protection
- 40V Surge Supression
- On-Board Micro-controller
- 36 LEDs, single LED burn out protection
- On-Board Thermal Regulation
- Constant Current Buck Regulation
- Not Dimmable

PCB FR4 multi-layer, White

Power: White 2.75 Watt - 12VDC @0.25A  
Voltage 10-30VDC

Output: 425 Lumen >80CRI

Dimensions: 117mm (4.6") L x 39.5mm (1.2") W



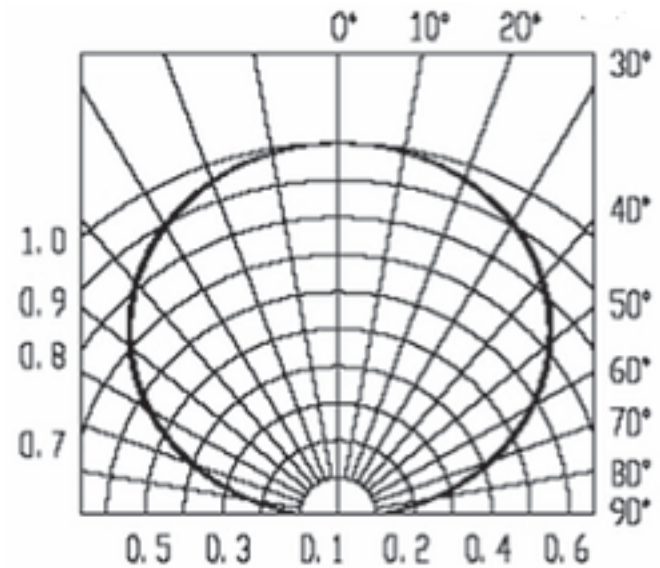
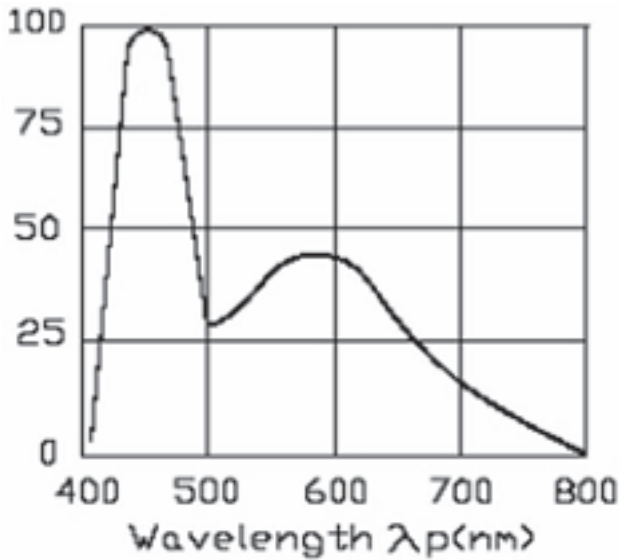
LDN-01NS-81-00 Natural White (4000K)

# Typical Characteristics Graphs



## Spectrum Distribution

CCT: 4000K (80 CRI)



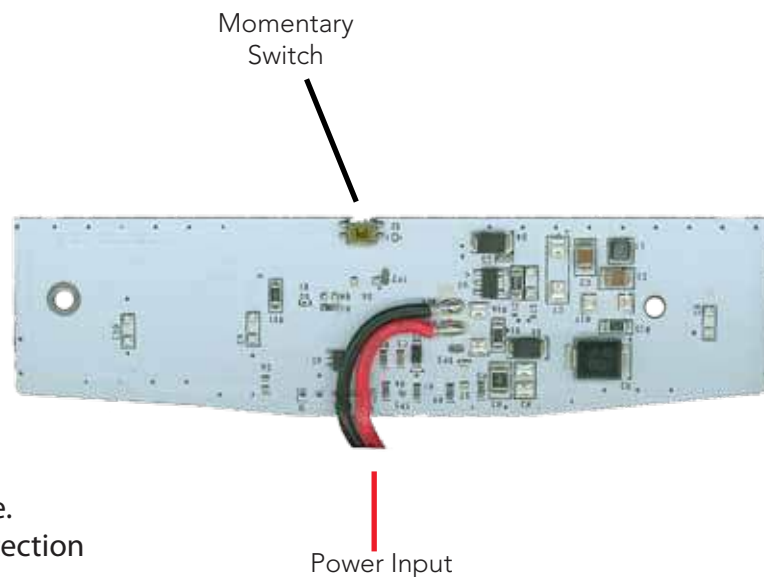
## Electrical

**LDN-01NS-81-00**

Two Wire

Red: Positive  
Black: Ground

- Small Footprint 4.6 x 1.2 inches
- Standard FR4 PCB - White
- Reverse polarity protection. Causes no damage.
- 36 LEDs 12 x 3 matrix. single LED burn out protection
- 40 Volts surge suppressions
- On-board micro-controller
- small tact-switch - on/off
- Default to on after power failure
- 12 V @ 0.200 Amps
- 24 V @ 0.110 Amps
- Min Functional Voltage 9.5Vdc
- Maximum Functional Voltage 36Vdc
- A/C Voltage - No
- PWM Digital Dimmable - NO
- Light Weight



# Mechanical Dimensions

