

# LED ENGINE

## 4W ZERO EMI

### 575 LUMEN

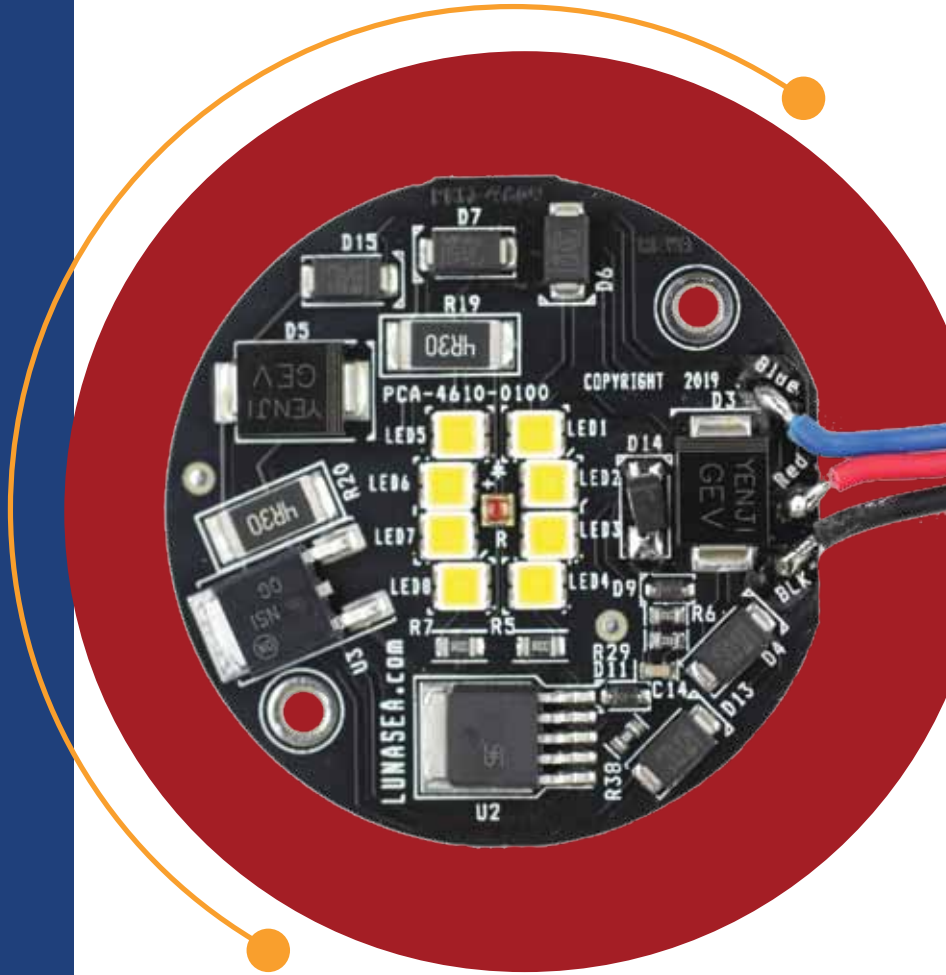


4 WATT 575 LUMEN LED AREA  
WHITE / RED OUTPUT

LDZ-46WR-01-00 (12VDC ZERO EMI)  
LDZ-46WR-01-24 (24VDC ZERO EMI)

The newest generation Lunasea LED Light Engine. Offering bright soft light output with a color rendering of >85CRI. Beam angle of 120 degree great for area lighting. 12 or 24VDC applications. Utilizes the newest Samsung LED technology offering High Efficacy LED dies. Circuitry has EMI suppression and surge protection. Built in thermal protection throttles back current to LEDs if PCB experiences excessive heat. Great for indoor area light designs.

PCB	Aluminum Clad
Power:	4 Watt
Voltage	12 or 24VDC Only (No EMI)
Output:	575 Lumen >85CRI
Dimensions:	43 (1.67") D x 4 (0.16") D



LDZ-46WR-01-xx Warm White (2700K) / Red

### Recommended Heatsink

#### **THIS PRODUCT REQUIRES HEATSINK**

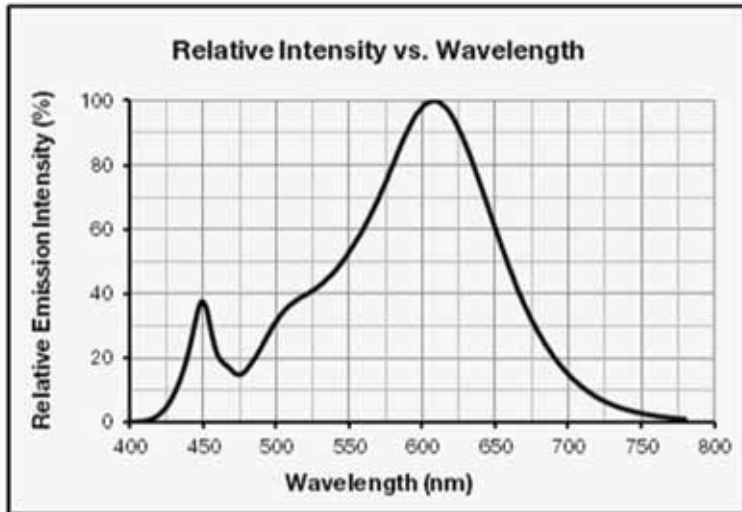
A heatsink with a surface area of 25 External Square inches is recommended for this LED Engine. Insufficient heatsink may cause damage to the PCB and its components.

# Typical Characteristics Graphs



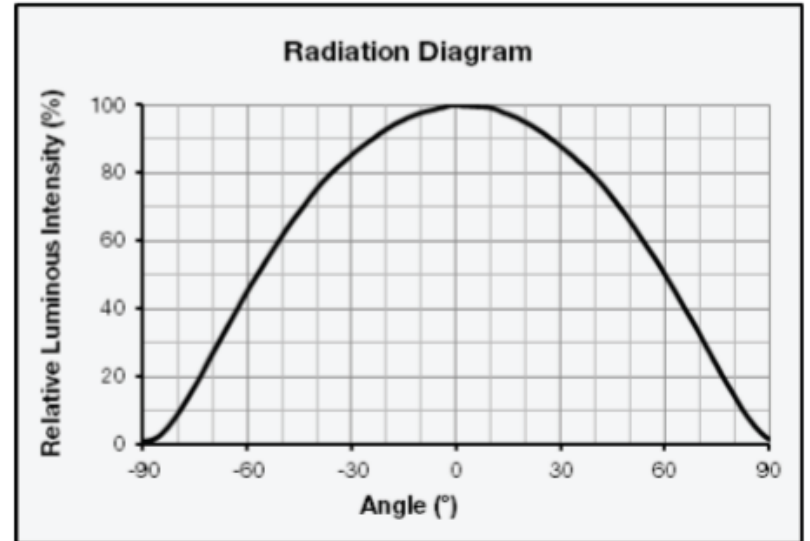
## Spectrum Distribution

CCT: 2700K (85 CRI)



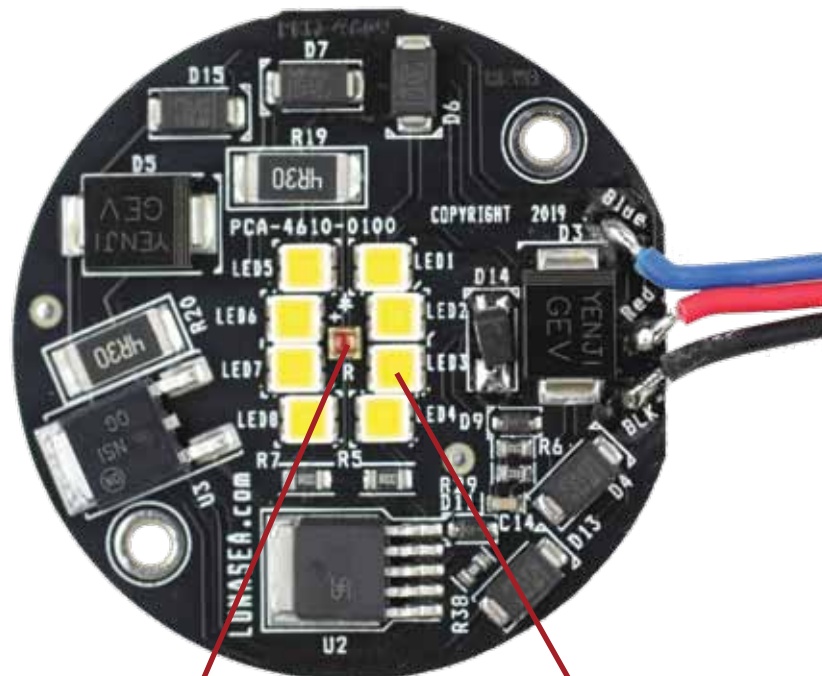
## Beam Angle Characteristics

T<sub>s</sub> = 25 °C)



## Electrical

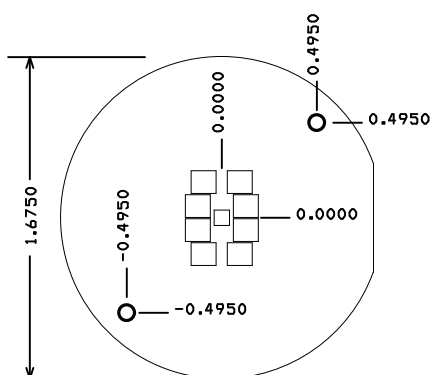
- Three Wire
- Red - + (Warm White)
- Blue - + (Red)
- Black Return



Red LED

Warm White LEDs

# Mechanical Dimensions



LDZ-46WR-01-00  
DIMENSION IN INCHES  
BOARD IS ALUMINUM CLAD  
Thickness .062 inches  
HOLE SIZE  
A= 0.100

# NEW ZERO EMI LIGHTING

## INTRODUCING ZERO EMI LIGHTING

*This means no AIS or VHF Interference*

All light, no EMI! With Zero radio emissions these lights can't interfere with your communication and navigation equipment. Same powerful output & high color rendering.

**They are  
not just quiet  
They are SILENT!**

