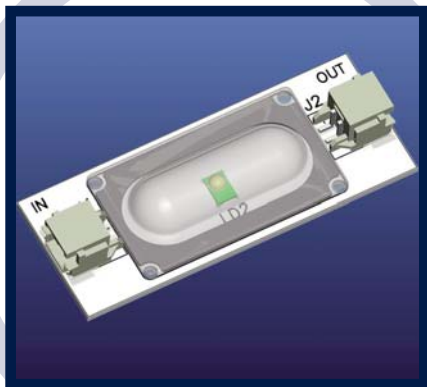


## LINKLED LED LIGHT ENGINES



### OPERATING CONDITIONS

- ▲ Recommended PCB temp=65°C  
Maximum PCB temp = 105°C
- ▲ LED Life @ 65°C PCB temp = 50,000 hours
- ▲ For maximum performance, all "LinkLED" LED Light engines should be adhered to an appropriate heat sink

### MECHANICAL DIMENSIONS

Length = 52.5mm (2.07")

Width = 21.0mm (0.83")

Height = 7.5mm (0.29")

### FEATURES / BENEFITS

- ▲ Utilizes premium flux LUXEON® Rebel™ LEDs, 100+ lumens for cool white, 100+ lumens for neutral white and 50+ lumens for warm white
- ▲ Extremely long life of 50,000 hours at 65°C PCB temperature
- ▲ Modular "Plug & Play" system for flexible design in curved or unusually shaped areas.
- ▲ Available in 3 colours (cool white, neutral white, warm white)
- ▲ FR4 based PCB With thermal adhesive backing
- ▲ Passes; IEC-60695-2-12 for glow wire
- ▲ Recognized UL components and materials

### APPLICATIONS

- ▲ Cove lighting
- ▲ Bars / reception areas
- ▲ Channel letters
- ▲ Display cases
- ▲ Interior use only
- ▲ Advertising

*See second page for heatsink options*

### MATERIALS/FINISH

- ▲ LUXEON® REBEL™ LEDs
- ▲ 1.0mm FR4 clad PCB substrate
- ▲ White solder resist finish
- ▲ ROHS compliant
- ▲ Lead free solder

### PART NUMBERS

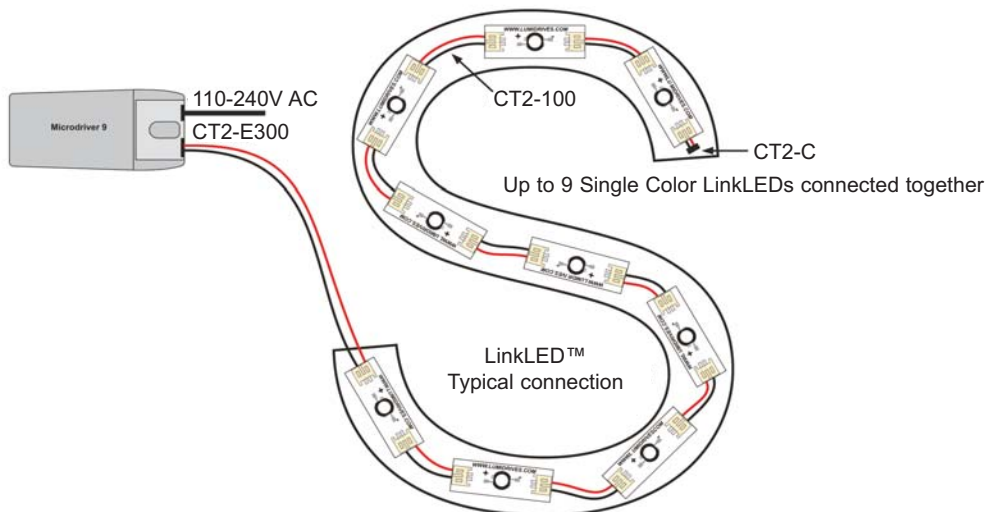
| PART NUMBER | DESCRIPTION                                     |
|-------------|-------------------------------------------------|
| LK1-C1-CW   | Cool White, Rebel LED, Clear Protective Lens    |
| LK1-C1-NW   | Neutral White, Rebel LED, Clear Protective Lens |
| LK1-C1-WW   | Warm White, Rebel LED, Clear Protective Lens    |

For other color options, consult factory.

### WIRING INFORMATION

#### AVAILABLE ASSOCIATED CABLES

|             |                                         |                                                                                     |
|-------------|-----------------------------------------|-------------------------------------------------------------------------------------|
| CT2-C       | 2- way common connector                 |  |
| CT2-100     | 2- way link lead 100mm (3.39")          |  |
| CT2-1000-24 | 2- way link lead 100mm (3.39") 24 AWG   |  |
| CT2-200     | 2- way link lead 200mm (7.87")          |  |
| CT2-200-24  | 2- way link lead 200mm (7.87") 24 AWG   |  |
| CT2-E300    | 2- way input lead 300mm (11.81")        |  |
| CT2-E300-24 | 2- way input lead 300mm (11.81") 24 AWG |  |



#### COMPATIBLE DIALIGHT DRIVERS

#### LINKLED HEATSINK OPTIONS

|                  |                                          |
|------------------|------------------------------------------|
| MDE3-C-35        | (CE compliant/ 230VAC only)              |
| MDU9-35-70       | (UL recognized/ CE compliant 110-240VAC) |
| MDU-18-V-25-100  | (CE compliant 120/230VAC dimmable)       |
| MND70 9 Dimmable | (CE compliant 120/230VAC)                |
| MCDE18-350-P 18  | (CE compliant 120/230VAC)                |
| MLD8-SC-35-70    | (CE compliant 230VAC only)               |

LK-HS9 Suitable for 9 LED's

#### TYPICAL LED PHOTOMETRIC DATA

| Colour        | Forward Voltage (Typ) | Max. Current (mA) | Typ. Power (Watts) | CCT    |        |        | Min Luminous Flux (lm) / Radiometric Power (mW) | Typ Luminous Flux (lm) / Radiometric Power (mW) | Typ. luminous flux based on input drive current of 350mA maximum power consumption 1.2W per LED<br><br>Consult LUXEON REBEL data sheet for maximum input currents |
|---------------|-----------------------|-------------------|--------------------|--------|--------|--------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                       |                   |                    | Min    | Typ    | Max    |                                                 |                                                 |                                                                                                                                                                   |
| Cool White    | 3.15                  | 350               | 1.20               | 5000 K | 5675 K | 6350 K | 90 lm                                           | 100 lm                                          |                                                                                                                                                                   |
| Neutral White | 3.15                  | 350               | 1.20               | 3800 K | 3950 K | 4100 K | 90lm                                            | 100lm                                           |                                                                                                                                                                   |
| Warm White    | 3.15                  | 350               | 1.20               | 2850 K | 3050 K | 3250 K | 50lm                                            | 60lm                                            |                                                                                                                                                                   |

Dialight reserves the right to make changes at any time in order to supply the best product possible.

The most current version of this document will always be available at:  
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MDEXLKLD\_E

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