

## 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<sup>™</sup> 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
- ▲ Display cases
- Bars / reception areas ▲
- Channel letters
- ▲ Interior use only
  - ▲ Advertising

See second page for heatsink options

## **MATERIALS/FINISH**

- LUXEON<sup>®</sup> REBEL<sup>™</sup> 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.

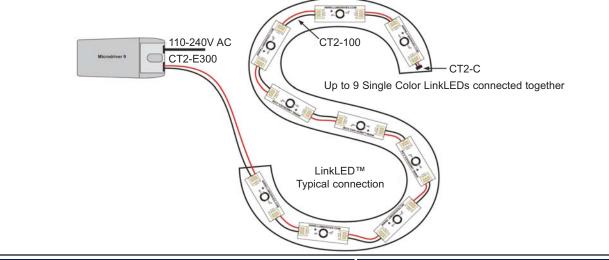
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#### WIRING INFORMATION

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					
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## COMPATIBLE DIALIGHT DRIVERS

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)		

LINKLED HEATSINK OPTIONS

LK-HS9 Suitable for 9 LED's

## TYPICAL LED PHOTOMETRIC DATA

Colour	Forward Colour Voltage	Max.Current Typ. Po	Typ. Power (Watts)	сст		Min Luminous Flux (lm) / Radiometric	Typ Luminous Flux (Im) /	Typ. luminous flux based on input	
	(Тур)	(mA)	(walls)	Min	Тур	Max	Power (mW)		drive current of 350mA maximum power consumption 1.2W per LED
Cool White	3.15	350	1.20	5000 K	5675 K	6350 K	90 lm	100 lm	Consult LUXEON REBEL data sheet for maximum input currents
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.

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