



## SPECIFICATION

**P/N: LC-Z5A-CI12**

Preliminary

**光圓科技股份有限公司**

**LED CIRCLE Technology Corporation**

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Examples: Diameter =86.5mm (Standard product)



## Description

The LC-Z5A-C112 is a modular LEDs Array of 1W/3W/5W (Luxeon) high power LEDs. This product line provides simple and compact solution for traditional lighting in different size fitted into existing fixture. With special aluminium/copper base PCB structure, the LEDs have stable light output and lifetime while the heat is efficiently managed. *The size, LEDs, colour pattern and array layout is open for being customized to meet the requirement of the customer.*

## Features

- The heat is efficiently managed at preferable working temperature.
- Small/Compact size.
- Easy for being retrofitted into existing traditional lighting fixture

## Benefits

- Have flexible configurations including Warm white, White, Red, Green, Blue, Yellow and RGB mixed and other customized configuration.
- Light weight
- Enhance the value of your products
- Provides flexibility to designers
- Support 1W, 3W and 5W LEDs.
- It is a hazard free product
- It can be integrated into existing lighting system
- Facilitates new fixture design
- Facilitates low profile fixture design
- Optimisation of the usage of the system power.

## Typical Applications

- Reading lights (Desk, Car, bus)
- Torch (Flash light)
- MR-16
- Portable (Car, bicycle, Motorcycle)
- Architectural lighting
- Garden lighting
- Marker & Orientation lights
- Reading lamps
- Cove lighting
- Cornice lighting
- Landscape lighting
- Refrigeration
- Vending machine lighting
- Wall sconces
- Under-cabinet lighting
- Spots Lights
- Signalling
- Fibre Optic systems
- Point of Sale
- Signage



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Selection Guide	
Part Number	Description
LC-Z5A-CI12-1WW	1W Warm White/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3WW	3W Warm White/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5WW	5W Warm White/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-1SW	1W Sun White/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3SW	3W Sun White/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5SW	5W Sun White/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-1R	1W Red/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3R	3W Red/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5R	5W Red/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-1G	1W Green/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3G	3W Green/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5G	5W Green/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-1B	1W Blue/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3B	3W Blue/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5B	5W Blue/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-1Y	1W Yellow/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3Y	3W Yellow/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5Y	5W Yellow/12 LEDs Array/ $\approx 86.5\text{mm}$

LC-Z5A-CI12-1M	1W RGB/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3M	3W RGB/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5M	5W RGB/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-1XX	1W Customized/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-3XX	3W Customized/12 LEDs Array/ $\approx 86.5\text{mm}$
LC-Z5A-CI12-5XX	5W Customized/12 LEDs Array/ $\approx 86.5\text{mm}$

Note: The XX is the project code of the customized products.

## Suggested CCD (Alva-LED Driver)

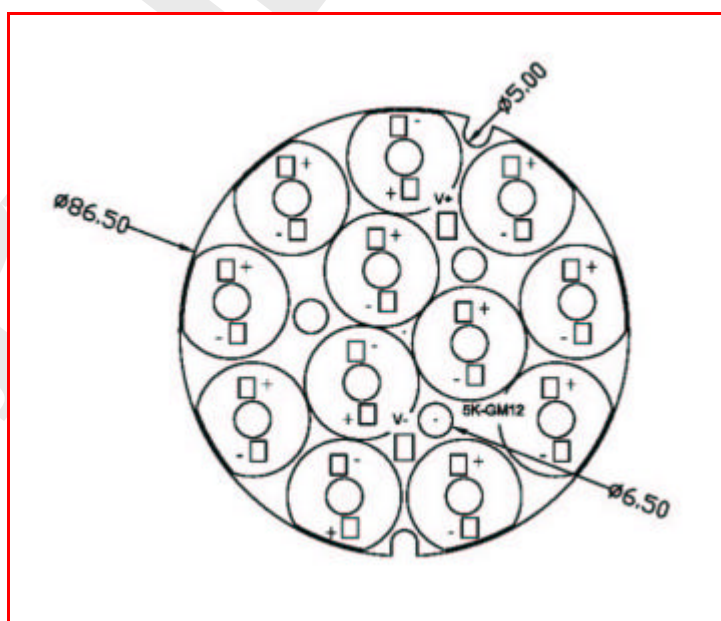
<http://www.ledcircle.com/index.files/Page572.htm>

Array Input	85-265 VAC/50-400VDC
1W LEDs Array	AH350
3W LEDs Array	AH700
5W LEDs Array	AH700

## Environmental Ratings

Parameter	Min	Max
Operating Ambient Temperature	-10	60
Storage Ambient Temperature	-20	80

## Drawing and Diagram (Diameter $\approx 86.5\text{mm}$ )





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**Important:** Please contact our engineer to ensure installation and maintenance being properly executed to obtain maximum performance, efficiency and durability from the LED lighting product.

**Disclaimer:** While every care has been taken with the details on this specification sheet, we accept no responsibility for any inaccuracies and reserve the right to change these specifications without notice to always ensure that you are receiving a superior product.

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