



SPECIFICATION

P/N: LCT-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 LCT-Z5A-C12 is a Talent LED Module. It is integrated by modular LED array of 1W/3W/5W (Luxeon) high power LEDs and ALVA CCD power supply. This product line provides simple and compact solution for traditional lighting in different size fitted into existing fixture. *The size including LED PCB and CCD power supply, the LEDs, the colour pattern, the array layout and the CCD driver layout are opened for being customized to meet the requirement of the existing fixture.*

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

- Architectural lighting
- Garden lighting
- In-ground lighting.
- Floodlight.
- Reading lamps
- Cove lighting
- Cornice lighting
- Landscape lighting
- Under-Water lighting
- Vending machine lighting
- Wall sconces
- Under-cabinet lighting
- Spots Lights
- Signalling



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Selection Guide

Part Number	Description
LCT-Z5A-CI12-1WW035	1W warm White/12 LEDs Array /350mA
LCT-Z5A-CI12-3WW070	3W warm White/12 LEDs Array /700mA
LCT-Z5A-CI12-5WW070	5W warm White/12 LEDs Array /700mA
LCT-Z5A-CI12-1SW035	1W Sun White/12 LEDs Array/350mA
LCT-Z5A-CI12-3SW070	3W Sun White/12 LEDs Array/700mA
LCT-Z5A-CI12-5SW070	5W Sun White/12 LEDs Array/700mA
LCT-Z5A-CI12-1R035	1W Red/12 LEDs Array/350mA
LCT-Z5A-CI12-3R070	3W Red/12 LEDs Array/700mA
LCT-Z5A-CI12-5R070	5W Red/12 LEDs Array/700mA
LCT-Z5A-CI12-1G035	1W Green/12 LEDs Array/350mA
LCT-Z5A-CI12-3G070	3W Green/12 LEDs Array/700mA
LCT-Z5A-CI12-5G070	5W Green/12 LEDs Array/700mA
LCT-Z5A-CI12-1B035	1W Blue/12 LEDs Array/350mA
LCT-Z5A-CI12-3B070	3W Blue/12 LEDs Array/700mA
LCT-Z5A-CI12-5B070	5W Blue/12 LEDs Array/700mA
LCT-Z5A-CI12-1Y035	1W Yellow/12 LEDs Array/350mA
LCT-Z5A-CI12-3Y070	3W Yellow/12 LEDs Array/700mA
LCT-Z5A-CI12-5Y070	5W Yellow/12 LEDs Array/700mA

LCT-Z5A-CI12-1M035	1W RGB/12 LEDs Array/350mA
LCT-Z5A-CI12-3M070	3W RGB/12 LEDs Array/700mA
LCT-Z5A-CI12-5M070	5W RGB/12 LEDs Array/700mA
LCT-Z5A-CI12-1XXXX	1W Customized/12 LEDs Array/350mA
LCT-Z5A-CI12-3XXXX	3W Customized/12 LEDs Array/700mA
LCT-Z5A-CI12-5XXXX	5W Customized/12 LEDs Array/700mA

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

Electrical characteristics

Input

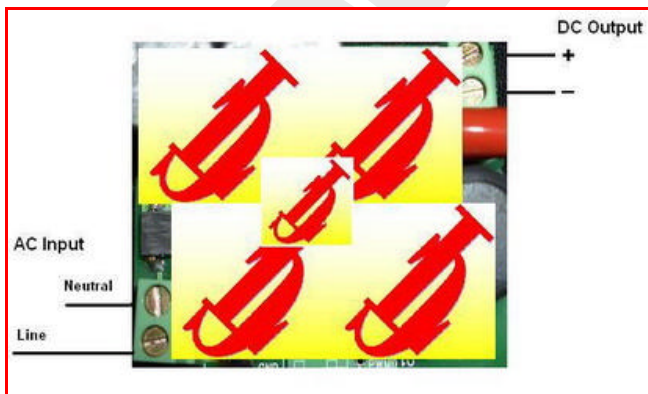
Parameter	Min	Max
Input Voltage Range	85Vac	264Vac
Input Frequency	47Hz	63Hz
Input Current	N/A	2.0A-115Vac/60Hz
Efficiency		Typical 80%~85%

Environmental Ratings

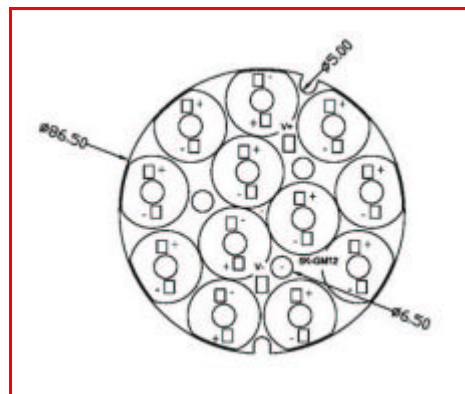
Parameter	Min	Max
Operating Ambient Temperature	-10	60
Storage Ambient Temperature	-20	80

Drawing and Diagram

1. Alva CCD LED Driver. (60mm (L) x 48mm(W))



2. LED Module. (φ86.5mm)





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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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