

## LPF1180-ZHE Citizen Pin Fin LED Cooler ø111mm

### Mounting Instruction

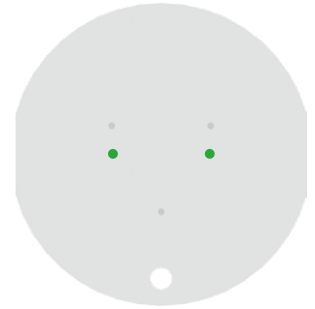
## CITIZEN

Micro HumanTech

Citizen Electronics Co., Ltd. is a precision electronics manufacturer with headquarters in Fujiyoshida City, Yamanash Japan. Prefecture and a subsidiary of Citizen Holdings Co., Ltd. Citizen Electronics is a leader in LED light sources for electronic devices and high power white LED lamps. The second generation CITED LED CLL LED COB modules and the new upcoming generation CLU distinguish themselves through the combination of high lumen per watt performance combined with a perfect light quality control.

### Mounting indicator marks overview

MechaTronix recommends the use of a high thermal conductive interface between the LED module and the LED cooler. Either thermal grease, a thermal pad or a phase change thermal pad thickness 0.1-0.15mm is recommended. Thermal pads or phase change thermal pads can be pre-applied from MechaTronix.



### Citizen Cited CLU038 - CLU03J

#### Model names

- CLU038-xxxxxx
- CLU03J-xxxxxx

#### Mounting

- With Zhaga Book 3 LED holder
- BJB Spotlight connector 47.319.2021
- Bender+Wirth Hybrid holder 633a available with different housings
- Ideal Industries Chip-Lok™ holder 50-2103CT
- TE Connectivity Lumawise type Z50 2213254
- Mounting with 2 screws M3 x 6mm
- Green indicator marks



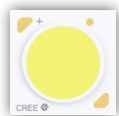
### Citizen Cited CLU048 - CLU04J

#### Model names

- CLU048-xxxxxx
- CLU04J-xxxxxx

#### Mounting

- With Zhaga Book 3 LED holder
- BJB Spotlight connector 47.319.2033
- Bender+Wirth Hybrid holder 631a available with different housings
- Ideal Industries Chip-Lok™ holder 50-2204CT
- Mounting with 2 screws M3 x 6mm
- Green indicator marks



### Citizen Cited COB High Intensity Type Version 3 CLU712

#### Model names

- CLU712-1204C9

#### Mounting

- With Zhaga Book 3 LED holder
- BJB Spotlight connector 47.319.2021
- Bender+Wirth Hybrid holder 633a available with different housings
- Ideal Industries Chip-Lok™ holder 50-2103CT
- TE Connectivity Lumawise type Z50 2213254
- Mounting with 2 screws M3 x 6mm
- Green indicator marks