

## LPF11180-ZHE Zhaga Pin Fin LED Cooler ø111mm

### **Features & Benefits**

- For spot and downlight designs from 4,800 to 9,600 lumen
- Thermal resistance Rth 1.07°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:
  - All Zhaga Book 3 LED engines and holders
  - Bridgelux Vero SE & Décor Vero 13/18, Gen7 V 18/22, Vesta Tunable White 9/13mm & Dim-To-Warm 15mm
  - Citizen Citiled CLU038/03J, CLU048/04J, CLU712
  - Cree XLamp CXA18/25, CXB18/25, CMA18/25, CMT19/28
  - Edison EdiPower III HM16/24/30/40
  - LG Innotek LEMWM18 10W, 13W, 17W, 24W and LEMWM28 40W
  - Lumileds Gen4 Luxeon 1203, 1204, 1205, 1208, 1211, 1216
  - Luminus Gen4 CIM-14/22, CLM-14/22, CXM-14(AC)/18/22, CGM-14, Gen3 CXM-14(AC)/18(AA)/22(AC), CLM-22(AC)
  - Nichia NTCWS060B/072B, NFCWD084B/096B, NFCWJ108B/120B/130B and **NVEWL016Z**
  - **Prolight Opto PACF, PACG**
  - Seoul Semiconductor ZC18, ZC25, ZC40
  - Sharp Mega Zenigata, Tiger Zenigata
  - Tridonic TALEXXmodule SLE GEN5 15mm
  - **Xicato Chip on Board LED light source XOB23**
- Diameter 111mm Height 80mm Other heights on request
- Better performance under tilted position
- Forged from highly conductive aluminum



### **Order Information**

**LED Holders** 









**LED Brands** 



































Example: LPF11180-ZHE-B

LPF11180-ZHE- 1



**Anodising Color** 

B - Black

C - Clear

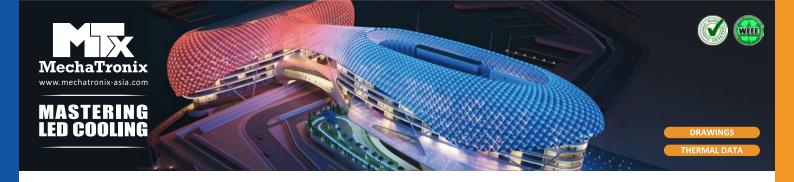
Z - Custom (specify)

The LPF11180-ZHE pin fin LED cooler is designed in this way that you can mount LED modules from various manufacturers on the same LED cooler

Simple mounting with M3 screws

Screws are avaliable from MechaTronix





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### **Product Details**



<sup>\*1 3</sup>D files are avaliable in ParaSolid, STP and IGS on request

To calculate the dissipated power please use the following formula:  $Pd = Pe \times (1-\eta L)$ 

Pd - Dissipated power

Pe - Electrical power

ηL = Light effciency of the LED module

#### **Notes:**

- MechaTronix reserves the right to change products or specifications without prior notice.
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MechaTronix.



<sup>\*2</sup> The thermal resistance Rth is determined with a calibrated heat source of 30mm x 30mm central placed on the heat sink, Tamb 40° and an open environment. Reference data @ heat sink to ambient temperature rise Ths-amb 50°C

The thermal resistance of a LED cooler is not a fix value and will vary with the applied dissipated power Pd

<sup>\*3</sup> Dissipated power Pd. Reference data @ heat sink to ambient temperature rise Ths-amb 50°C

The maximal dissipated power needs to be verified in function of required case temperature Tc or junction temperature Tj and related to the estimated ambient temperature where the light fixture will be placed

Please be aware the dissipated power Pd is not the same as the electrical power Pe of a LED module