

## LPF8050-ZHC Pin Fin LED Cooler ø80mm

### Features & Benefits

- For spot and downlight designs from 2,000 to 4,000 lumen
- Thermal resistance Rth 2.34°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 SE 13/18, Gen7 V 18/22, Vesta Tunable White 13mm & Dim-To-Warm 9/15mm
  - Citizen Cited CLU02J, CLU038/03J, CLU7A2/702, CLU712
  - Cree XLamp CXA18, CXB18, CMA13/15/18, CMT14/19
  - Edison EdiPower III HM16/24/30/40
  - LG Innotek LEMWM18 10W, 13W, 17W, 24W
  - Lumileds Gen4 Luxeon 1203, 1204, 1205, 1208
  - Luminus Gen4 CXM-4 (Pico-COB)/6/9(AC)/14(AC)/18, CIM-9/14, CLM-9/14, CGM-14, Gen3 CIM-9(AC)/14(AC), CLM-9/14(AC), CXM-9(AC)/11(AC)/14(AC)/18(AA), Dynamic CDM-9/14, CTM-14/18
  - Nichia NFCWL036-048-060-072B, NFCWD084B
  - Prolight Opto PACF
  - Seoul Semiconductor ZC12, ZC18, ZC25
  - Sharp Mega Zenigata, Tiger Zenigata
  - Tridonic TALEX module SLE Gen5 15mm, Module SLE G7 ADV 13/15/17/21mm
  - Xicato Chip on Board LED light source XOB09/14/23
- Diameter 80mm - Height 50mm  
Other heights on request
- Better performance under tilted position
- Forged from highly conductive aluminum

**Zhaga**  
Book 3



### Order Information

LED Holders

**BENDER  
+WIRTH**

**BJB**

**IDEAL**

**TE**  
connectivity

LED Brands

bridgelux

**CITIZEN**  
Micro HumanTech

**CREE**

**EDISON**

**LG Innotek**

Lit by  
**LUMILEDS**

**LUMINUS**

**NICHIA**

**OSRAM**

**LED** Light for you  
powered by OSRAM  
CERTIFIED PARTNER

**PHILIPS**

**ProLight Opto**  
Technology Corporation

**SEUL**  
SEUL SEMICONDUCTOR

**SHARP**

**TRIDONIC**

**VS** LIGHTING SOLUTIONS

**xicato**

Example : LPF8050-ZHC-B

LPF8050-ZHC- **1**

**1** Anodising Color

- B - Black
- C - Clear
- Z - Custom ( specify )

The LP8050-ZHC 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 available from MechaTronix

## LPF8050-ZHC Pin Fin LED Cooler ø80mm

### Product Details



**Model n°**

**LPF8050-ZHC**

Dimension (mm) <sup>*1</sup>	ø80 x h50
Volume (mm <sup>3</sup> )	72128
Cooling Surface (mm <sup>2</sup> )	74885
Weight (gr)	195
Thermal Resistance (°C/W) <sup>*2</sup>	2.34
Power Pd (W) <sup>*3</sup>	21
Heat Sink Material	AL1070

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

<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

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

Pd - Dissipated power

Pe - Electrical power

$\eta_L$  = Light efficiency 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.