

LPF3550-ZHC Pin Fin LED Cooler ø35mm

Features & Benefits

- For spot and downlight designs from 700 to 1,300 lumen
- Thermal resistance Rth 7.41°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:
 - All Zhaga Book 11 LED engines and holders
 - Bridgelux Gen7 Vero / Décor Vero 10, Vero SE / Décor Vero SE 10, Gen7 V10
 - Citizen Citiled CLU028/02J, CLU7B2, CLU7A2
 - Cree XLamp CXA13, CXB13, CMA13, CMT14
 - Edison Opto EdiPower II Star series, EdiPower III HM05/09
 - Luminus Gen 3, Gen 4, Dynamic COB
 - Nichia-NTCWT012B, NTCWS024B
 - Osram PrevaLED Core G7 L10H1
 - Philips Fortimo SLM 1202 Gen6
 - Prolight Opto PACE
 - Seoul Semiconductor ZC6
 - Sharp Mini Zenigata
 - Tridonic TALEXXmodule SLE GEN5 06/15mm, SLE GEN6 10mm, Module SLE G7 ADV 09mm
 - Xicato Chip on Board LED light source XOB06/09
- Diameter 35mm - Height 50mm
Other heights on request
- Better performance under tilted position
- Forged from highly conductive aluminum



Zhaga
Book 11



Order Information

LED Holders

**BENDER
+WIRTH**

BJB

IDEAL

TE
connectivity

LED Brands

bridgelux

CITIZEN
Micro-LED technology

CREE

DISON

LUMINUS

NICHIA

OSRAM

PHILIPS

ProLight Opto
Technology Corporation

SEOUL
SEMICONDUCTOR

SHARP

TRIDONIC

Xicato

Example : LPF3550-ZHC-B

LPF3550-ZHC- **1**

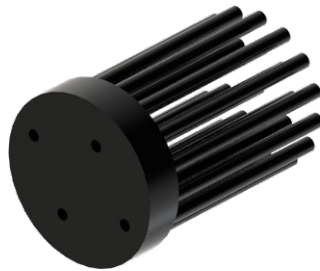
1 Anodising Color

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

The LPF3550-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

LPF3550-ZHC Pin Fin LED Cooler ø35mm

Product Details



Model n°

LPF3550-ZHC

Dimension (mm) ^{*1}	ø35 x h50
Volume (mm ³)	14579
Cooling Surface (mm ²)	12655
Weight (gr)	39
Thermal Resistance (°C/W) ^{*2}	7.41
Power Pd (W) ^{*3}	6.8
Heat Sink Material	AL1070

^{*1} 3D files are available in ParaSolid, STP and IGS on request

^{*2} 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

^{*3} 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

η_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.