

LPF11180-ZHE Zhaga Pin Fin LED Cooler ϕ 111mm

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 TALEX module 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

Zhaga
Book 3



Order Information

LED Holders

**BENDER
+WIRTH**

BJB

IDEAL

TE
connectivity

LED Brands

bridgelux

CITIZEN
Micro HumanTech

CREE

DISON

LG Innotek

Lit by
LUMILEDS

LUMINUS

NICHIA

OSRAM

LED Light for you
powered by OSRAM
CERTIFIED PARTNER

PHILIPS

ProLight Opto
Technology Corporation

SEoul
SEoul SEMICONDUCTOR

SHARP

TRIDONIC

VS LIGHTING SOLUTIONS

Xicato

Example : LPF11180-ZHE-B

LPF11180-ZHE- **1**

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 available from MechaTronix

LPF11180-ZHE Zhaga Pin Fin LED Cooler ø111mm

Product Details



Model n°

LPF11180-ZHE

Dimension (mm) ^{*1}	ø111 x h80
Volume (mm ³)	211924
Cooling Surface (mm ²)	116830
Weight (gr)	572
Thermal Resistance (°C/W) ^{*2}	1.07
Power Pd (W) ^{*3}	50
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.