

LPF4768-ZHP Pin Fin LED Cooler ϕ 47mm

Features & Benefits

- For spot and downlight designs from 1,300 to 2,500 lumen
- Thermal resistance Rth 3.9°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:

- All Zhaga Book 3, Book 11 LED engines and holders
- Bridgelux Gen7 Vero & Décor Vero 13/18, Vero SE & Décor Vero SE 13, Gen7 V 10/13/18, Vesta Tunable White & Dim-To-Warm 9mm
- Citizen Citiled CLU028/02J, CLU038/03J, CLU7A2/702
- Cree XLamp CXA13/15, CXB13/15, CMA13/15, CMT14
- Edison EdiPower III HM05/09/13/16, Edilex SLM
- LG Innotek LEMWM18 10W, 13W, 17W
- Lumileds Gen4 Luxeon 1203, 1204
- Luminus Gen4 CXM-4 (Pico-COB)/6/9 (AC/AA), CIM-9/14, CLM-9/14, Gen3 CXM-6(AC)/9(AC)/11(AC), CIM-9(AC)/14(AC), CLM-9(AC)/14(AC), CHM-9(XD20), Dynamic CDM-9, CTM-9, CTM-14
- Nichia NTCWT012B, NTCWS024B, NFCWL036-048B
- Prolight Opto PACE
- Seoul Semiconductor ZC6, ZC12, ZC18
- Sharp Mega Zenigata, Mini Zenigata
- Tridonic TALEXXmodule SLE Gen1 Sunset 11mm, SLE Gen5 06/11/15mm, SLE Gen6 10/15mm, Module SLE G7 ADV 13/15/17mm
- Vossloh Schwabe Luga Shop Gen6 DMS125, 126, 128
- Xicato Chip on Board LED light source XOB06/09/14

- Diameter 47mm - Height 68mm
Other heights on request
- Better performance under tilted position
- Forged from highly conductive aluminum



Zhaga
Book 3
Book 11

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 : LPF4768-ZHP-B

LPF4768-ZHP- **1**

1 Anodising Color

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

The LPF4768-ZHP 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

Recommended screw force 6lb/in

Screws are available from MechaTronix

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Product Details



Model n°

LPF4768-ZHP

Dimension (mm) ^{*1}	ϕ 47 x h68
Volume (mm ³)	31125
Cooling Surface (mm ²)	31929
Weight (gr)	84
Thermal Resistance ($^{\circ}$ C/W) ^{*2}	3.9
Power Pd (W) ^{*3}	13
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.