

LPF6050-ZHC Pin Fin LED Cooler ϕ 60mm

Features & Benefits

- For spot and downlight designs from 1,200 to 2,300 lumen
- Thermal resistance Rth 4.0°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:
 - Zhaga Book 3 Spot Light Modules Edison Edilex SLM, Osram PrevaLED Core AC/AC PRO/Z3/Z4, Philips Fortimo SLM, Tridonic TALEXXmodule SLE Gen6, Vossloh Schwabe Luga Shop Gen6, ...
 - Bridgelux Gen7 Vero & Décor Vero 10, Vero SE & Décor Vero SE 13/18, Gen7 V 10/13, Vesta Tunable White & Dim-To-Warm 9mm
 - Citizen Cited CLU026-CLU028, CLU036-CLU038, CLU700, CLU710
 - Cree XLamp CXA13, CXB13, CXA15, CXB15
 - Edison EdiPower II Star series, EdiPower III HM05/09/13/16/24/30
 - LG Innotek LEMWWM18 10W, 13W, 17W
 - Lumileds Gen4 Luxeon 1203, 1204, 1205
 - Luminus CLM-9 (ACxx), CXM-9 (ACxx), CHM-9 (ACxx), CXM-11 (ACxx), CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx)
 - Nichia NTCWT012B, NTCWS024B, NFCWL036-048B
 - Osram Soleriq S13, S19
 - 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 10/15/17mm
- Diameter 60mm - Height 50mm
Other heights on request
- Better performance under tilted position
- Forged from highly conductive aluminum



Order Information

Zhaga	EDISON	LED Light for you powered by OSRAM CERTIFIED PARTNER
BJB	LG Innotek	PHILIPS
IDEAL	Lit by LUMILEDS	ProLight Opto Technology Corporation
TE connectivity	LUMINUS	SEOUL SEMICONDUCTOR
bridgelux	NICHIA	SHARP
CITIZEN Micro HumanTech	OSRAM	TRIDONIC
CREE	OSRAM Opto Semiconductors	VS LIGHTING SOLUTIONS

Example : LPF6050-ZHC-B

LPF6050-ZHC- **1**

1 Anodising Color

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

The LPF6050-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

LPF6050-ZHC Pin Fin LED Cooler ø60mm

Product Details

Model n°	LPF6050-ZHC
Dimension (mm) ^{*1}	ø60 x h50
Volume (mm ³)	41094
Cooling Surface (mm ²)	43447
Weight (gr)	110.95
Thermal Resistance (°C/W) ^{*2}	4.0
Power Pd (W) ^{*3}	12
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.