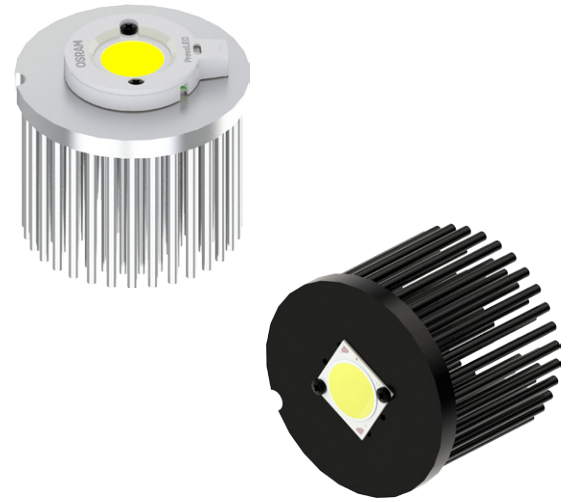


LPF8668-ZHC Pin Fin LED Cooler ø86mm

Features & Benefits

- For spot and downlight designs from 3,300 to 6,500 lumen
- Thermal resistance Rth 1.46°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, Seoul Semiconductor Acrich AC Zhaga, Sharp INTERMO, Tridonic Talexx Stark SLE Gen5/Gen6, Vossloh Schwabe Luga Shop Gen6, ...
 - Bridgelux Vero SE & Décor Vero SE 18, Gen7 V 18/22, Vesta Tunable White 9/13mm & Dim-To-Warm 9/15mm
 - Citizen Citiled CLU036-CLU038, CLU046-CLU048, CLU710, CLU720
 - Cree XLamp CXA18, CXB18, CXA25
 - Edison EdiPower II HM16/24/30/40
 - LG Innotek LEMWM18 10W, 13W, 17W, 24W, LEMWM28
 - Lumileds Gen4 Luxeon 1203, 1204, 1205, 1208, 1211
 - Luminus CXM-11 (ACxx), CHM-11-XH00, CLM-14 (ACxx), CXM-14 (ACxx), CHM-14 (ACxx), CVM-14, CXM-18, CLM-22
 - Nichia NFCWL048-060-072B, NFCWD084-096B, NFCWJ108-120B
 - Osram Soleriq S19
 - Prolight Opto PACF, PACG
 - Seoul Semiconductor ZC12, ZC18, ZC25, ZC40
 - Sharp Mega Zenigata, Tiger Zenigata
 - Tridonic TALEXX SLE Gen5 15mm
- Diameter 86mm - Height 68mm
Other heights on request
- Better performance under tilted position
- Forged from highly conductive aluminum



Order Information

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Example : LPF8668-ZHC-B

LPF8668-ZHC-1

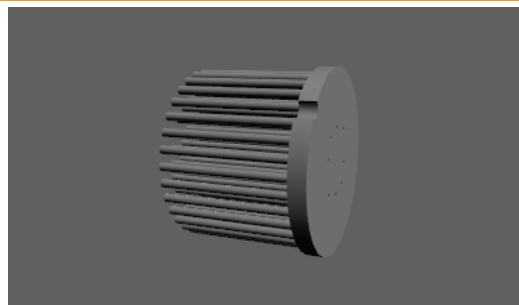
1 Anodising Color

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

The LPF8668-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

LPF8668-ZHC Pin Fin LED Cooler ø86mm

Product Details



Model n°

LPF8668-ZHC

| | |
|---|-----------|
| Dimension (mm) ^{*1} | ø86 x h68 |
| Volume (mm ³) | 92981 |
| Cooling Surface (mm ²) | 68850 |
| Weight (gr) | 251 |
| Thermal Resistance (°C/W) ^{*2} | 1.46 |
| Power Pd (W) ^{*3} | 34 |
| 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.