

Pure Aluminium Heat Sinks for Power LEDs



The alternative heat sink technique for future led lighting

PINBLOC® is a pin-fin heat sink technology made from pure aluminium. It offers excellent cooling performance and thermally optimised heat transfer from power LED modules to ambient air, enabling optimal functioning and full life span of the LED.

- Higher thermal conductivity (pure aluminium, 220 W/mK)
- Faster heating-up transients (monolithic solid part)
- Any orientation possible
- Different heights with the same footprint
- Lighter than extruded or die-cast heat sinks
- Self-passivation protection layer of pure aluminium
- Custom design configurations (i.e. with holes in the base)
- Round or square base
- Thermally conductive adhesive tape already applied Forced convection configurations available

Base Diameter	P/N	Description (Round PINBLOC)	Thermal resistance R _{th}
32.5mm	PBD32.5-021-XX	21 pins, d 3.0 mm, base 3 mm, in line pattern. Total height from 20 to 45 mm	45mm height – 8.9/C/W
40mm	PBD40.0-037-XX	37 pins, d 3.0 mm, base 3.5 mm, in line pattern. Total height from 20 to 45 mm	45mm height – 5.3/C/W
45mm	PBD45.0-045-XX	45 pins, d 3.0 mm, base 3.5 mm, in line pattern. Total height from 20 to 45 mm	45mm height – 5.2/C/W
50mm	PBD50.0-057-XX	57 pins, d 3.0 mm, base 3.5 mm, in line pattern. Total height from 20 to 45 mm	45mm height – 4.6/C/W
54mm	PBD54.0-069-XX	69 pins, d 3.0 mm, base 3.5 mm, in line pattern. Total height from 20 to 45 mm	45mm height – 4.3/C/W
70mm	PBD70.0-112-XX	112 pins, d 3.0 mm, base 4.5 mm, in line pattern. Height from 20 to 45 mm	45mm height – 4.0/C/W



Bringing **cooling technologies** to you

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