

CoolStar® 67 Designer series Seoul Semiconductor LED Star Cooler ø67mm

Features & Benefits

- For spot and downlight designs from 1,600 to 4,200 lumen
- Thermal resistance range Rth 2.27 - 3.13°C/W
- Modular design with mounting holes foreseen for Seoul Semiconductor ZC6, ZC12, ZC18, ZC25 LED COB, direct mounting or by LED holder.
- Designer series with high end looks and extra functionality - wire pockets at each side of the LED cooler
- Diameter 67mm - Standard height 30mm & 60mm Other heights on request
- Black anodized or white electro-coating finishing



Order Information



SEOUL SEMICONDUCTOR

Example : CoolStar® Black 6730

CoolStar® **1** 67 **2**

- 1** Finishing Color
Black - Black anodized
White - White electro-coating
- 2** Height (mm)

Simple mounting with M3 screws
Recommended screw force 6lb/in
Screws are available from MechaTronix

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Product Details

Model n°	CoolStar® 6730	CoolStar® 6760
Dimension (mm) ^{*1}	ø67 x h30	ø67 x h60
Volume (mm ³)	36711	73698
Cooling Surface (mm ²)	31326	59755
Weight (gr)	99	199
Thermal Resistance (°C/W) ^{*2}	3.13	2.27
Power Pd (W) ^{*3}	16	22
Heat Sink Material	AL6063-T5	AL6063-T5

^{*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 15mm x 15mm 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.