

Downlight Solution-- AVC Passive Heat Sink for OSRAM PrevaLED Cores

Introduction of Asia Vital Components Co., Ltd. (AVC)

Asia Vital Components Co., LTD (Taiwan listed company since 2003: TSE: 3017) is a world leading Total Thermal Solution Provider serving various industries including telecommunication, LED lighting, networking, power conversion, automobile, PC, notebook, and others more. The product lines include fans, fan trays, heat sinks, heat pipes, vapor chambers, CPU coolers, VGA coolers, notebook thermal modules, liquid cooling systems, LED thermal solutions, chassis, cabinets, and etc.

AVC is now proud to be an associate member of Zhaga Consortium which is an organization established for the standardization of LED light engines. In helping the standardization, AVC is working very closely with other Zhaga members including those world's leading lighting companies such as Philips, Osram, GE and more, to develop reference thermal solutions for Zhaga compliant LED light engines. Currently, AVC offers passive and active thermal solutions for Philips Fortimo DLM, SLM, Twistable and LLM series, and for OSRAM PrevaLED and GE Infusions series.

With strong R&D, manufacturing capabilities and economic scale in Asia we are able to provide our customers more advanced, reliable and cost effective solutions. AVC is your best partner for LED thermal solutions.

Features and benefits—

- future-proof designs to fully support OSRAM PreveLED HD and ECO products
- thermally designed for LED applications
- no noise, zero energy consumption passive cooling
- ready to use with preprinted TIM
- standard $\Phi 100$ and $\Phi 135$ cross cutting size easy to upgrade
- standard M3 screw holes for mounting
- economic option to replace traditional lamps into LED solutions
- RoHS compliance
- anodizing treatment for better corrosion resistance and less thermal resistance
- 3 weeks short lead-time to deliver
- long lift time with 10 years warranty (TIM 5 years)

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▪ **Product information (Passive Solution)**

			
Osram Prevaled Module type	LEP-2100-840-HD-C LEP-2100-930-HD-C LEP-2000-827-C-Z2 LEP-2000-830-C-Z2 LEP-2000-835-C-Z2 LEP-2000-840-C-Z2 LEP-3000-830-C-Z2 LEP-3000-835-C-Z2 LEP-3000-840-C-Z2	LEP-2100-830-C LEP-2100-840-C LEP-3000-827-C-Z2	LEP-3000-840-HD-C LEP-3000-930-HD-C
AVC Heatsink P/N	<u>ST07E00001</u>	<u>ST07800001</u>	<u>ST07900001</u>
Heatsink Dim(mm)	Φ135*H25	Φ135*H40	Φ135*H80
Weight(KG)	0.29	0.45	0.9
Material	AL6063	AL6063	AL6063
Surface treatment	Original anodize	Black anodize	Black anodize
Thermal Resistance	1.36 K/W	1.01 K/W	0.71 K/W
TIM	TIG780-50	TIG780-50	TIG780-50
LED Module power (W)	24W~29W	31W~34W	39W~42W
Thermal Power(W)	21W	28W	34W
Ambient temperature	35°C	35°C	35°C
Case temperature	<=65°C	<=65°C	<=60°C


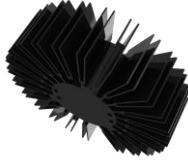
Safety information

For handling and assembly instructions, please refer to OSRAM's application guide.

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Osram Prevaled Module type	LEP-800-840-HD-C+ LEP-800-930-HD-C+ LEP-800-827-C-Z2 LEP-800-830-C-Z2 LEP-800-835-C-Z2 LEP-800-840-C-Z2	LEP-1500-827-C-Z2 LEP-1500-830-C-Z2 LEP-1500-835-C-Z2 LEP-1500-840-C-Z2
AVC Heatsink P/N	<u>ST07A00001</u>	<u>ST07B00001</u>
Heatsink Dim(mm)	Φ100*H10	Φ100*H30
Weight(KG)	0.08	0.24
Material	AL6063	AL6063
Surface treatment	Black anodize	Black anodize
Thermal Resistance	3.3K/W	2.32K/W
TIM	TIG780-50	TIG780-50
LED Module power (W)	9W~10 W	17W~19W
Thermal Power(W)	7.5W	13W
Ambient temperature	35°C	35°C
Case temperature	<=65°C	<=65°C

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Related and Further OSRAM Information

PrevaLED™ Application Guide www.osram.com/prevaled

OPTOTRONIC® Technical Guide www.osram.com/ecg-downloads

OPTOTRONIC® Data Sheets <http://catalog.myosram.com>

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