

The Professional Thermal Solution Provider of

# Philips

# Fortimo LED SLM (Spot lighting) Module

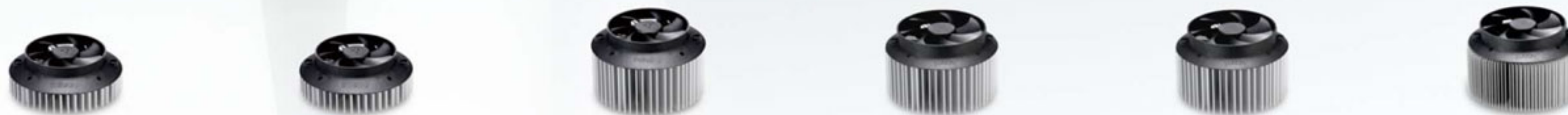


# Active cooled luminaire designs

## 6 Advantages

- Small form factor with lower-noise fan
- High efficiency, low power consumption
- Optimized thermal performance, light weight
- Super Silence Fan design, long life
- Dust-resistance System
- High reliability, up to 5-year warranty





Model No.	LA001-012A99DN	LA001-011A99DN	TA003-10003	TA004-10003	LA004-003A99DN	LA006-001A99DN
Module Dimension (mm)	φ 86 x 35	φ 86 x 30.5	φ 86 x 52.5	φ 86 x 52.5	φ 86 x 52.5	φ 90 x 52.5
Rated Voltage (V)	5	12	12	12	12	12
Weight (g)	175	112	237	233	231	302
Heat Sink Material	AL6063	AL6063	AL6063	AL6063	AL6063	AL6063
Fan Model No.	HA60150V3-E03U-A99	HA60151V3-E00U-A99	HA60151V3-E00U-A99	HA60151V3-E01U-A99	HA60151V3-E01U-A99	HA60151V3-E01U-A99
Fan Power Consumption (W)	0.26	0.28	0.28	0.34	0.35	0.39
Fan Speed (RPM)	2200	2200	2200	2200	2200	2200
Cooling Module Noise @ 1M, (dB(A))	15.2	13.8	15.1	16.2	15.8	16.0
Safety	UL/CUR/TUV/CE	UL/CUR/TUV/CE	UL/CUR/TUV/CE	UL/CUR/TUV/CE	UL/CUR/TUV/CE	UL/CUR/TUV/CE
Zhaga Holes	Book 3	Book 3	--	--	Book 3	Book 3

Reference Tcase at ambient temperature

● ↓ 55°C ● 56~65°C ● 66~75°C ● 76°C ↑

Ambient Temperature	25°C	35°C	45°C	25°C	35°C	45°C	25°C	35°C	45°C	25°C	35°C	45°C	25°C	35°C	45°C	25°C	35°C	45°C
Fortimo LED SLM 2000lm Gen3 (23W)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fortimo LED SLM 3000lm Gen3 (33W)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fortimo LED SLM 800lm Gen2 (13W)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fortimo LED SLM 1100lm Gen2 (20W)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fortimo LED SLM 2000lm Gen2 (35W)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fortimo LED SLM 3000lm Gen2 (42W)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

※1: Multiple Holes for Philips Fortimo SLM, Philips Lixel LED SLM, Osram PrevaLED, Tridonic Stark & Talex, Bridgelux RS Array / LS Array, Citizen CL-L330 / 340, Vossloh-Schwabe WU-M-Series, Zhaga.

※2: Tcase at ambient temperature is for reference only. Please test thermal resistance again by using on different applications.



1. All specifications were tested in free air.
2. Specs are subject to change without notice.

# Design guidelines for active cooling

- Prevent hot air inside the luminaire from flowing back.
- Avoid openings for inlet and outlet in the luminaire's housing close to the fan, which may help lower noise level.
- Prevent restrictions in the flow path to ensure smooth airflow from inlet to outlet.
- Our thermal solution has optimal flow path design to offer better cooling efficiency and takes lamp design into a sophisticated design field by going small, compact and light weight.

