

LED Spotlight Active Cooling Module






Optimal Sound Quality
 Prolong LED lighting's overall service life
 High Reliability



▶ Spotlight

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|---|---|---|---|
| Model No. | LA002-012A9BDN | LA005-001A99DN | LA005-002A99DN |
| Module Dimension (mm) | φ 52 x 20 | φ 70 x 51.5 | φ 70 x 51.5 |
| Weight (g) | 48 | 183 | 183 |
| Cooling Module Noise @ 1M, dB(A) | 16.8 | 11.6 | 11.6 |
| Rated Voltage (V) | 5 | 12 | 12 |
| Power Consumption (W) | 0.21 | 0.28 | 0.28 |
| Fan Speed (RPM) | 3800 | 2200 | 2200 |
| Heat Sink Material | ADC12 | AL6063 | AL6063 |
| Fan Model No. | -- | HA60151V3-E04U-A99 | HA60151V3-E04U-A99 |
| Safety | UL/CUR/TUV/CE | UL/CUR/TUV/CE | UL/CUR/TUV/CE |
| Multiple Holes ^{※1} | -- | -- | -- |
| Zhaga Holes | -- | Book3 | Book3 |
| Thermal Resistance (°C/W) ^{※2} | 1.09 | 0.72 | 0.72 |
| Experiment LED Module | Xicato XSM 8027-1300 (22.1W) | Xicato XSM 3000lm (45W) | Xicato XSM 3000lm (45W) |

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|---|---|---|--|---|---|
| Model No. | LA001-015A99DN | LA001-011A99DN | TA001-11002 | LA001-012A99DN | LA001-013A99DN |
| Module Dimension (mm) | φ 86 x 30.5 | φ 86 x 30.5 | φ 86 x 30.5 | φ 86 x 35 | φ 86 x 35 |
| Weight (g) | 112 | 112 | 114 | 175 | 175 |
| Cooling Module Noise @ 1M, dB(A) | 13.8 | 13.8 | 14.0 | 15.2 | 15.2 |
| Rated Voltage (V) | 5 | 12 | 12 | 5 | 12 |
| Power Consumption (W) | 0.28 | 0.28 | 0.28 | 0.26 | 0.28 |
| Fan Speed (RPM) | 2200 | 2200 | 2200 | 2200 | 2200 |
| Heat Sink Material | AL6063 | AL6063 | AL6063 | AL6063 | AL6063 |
| Fan Model No. | HA60150V3-E03U-A99 | HA60151V3-E00U-A99 | HA60151V3-E00U-A99 | HA60150V3-E03U-A99 | HA60151V3-E00U-A99 |
| Safety | UL/CUR/TUV/CE | UL/CUR/TUV/CE | UL/CUR/TUV/CE | UL/CUR/TUV/CE | UL/CUR/TUV/CE |
| Multiple Holes ^{※1} | O | O | -- | -- | -- |
| Zhaga Holes | Book 3 | Book 3 | Book 3 | -- | -- |
| Thermal Resistance (°C/W) ^{※2} | 0.86 | 0.86 | 0.85 | 0.56 | 0.56 |
| Experiment LED Module | Osram PrevaLEP-2100-840-C (25W) | Philips Fortimo LED SLM 1100/830 (17W) | Philips Fortimo LED SLM 1100/830 (17W) | GE Infusion Module M1500 Series (23W) | GE Infusion Module M1500 Series (23W) |

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

※2 : Thermal Resistance is for reference only. (For more information please see the product specification of LED brand.)
 Please test thermal resistance again by using on different applications.

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| |  |  |  |
|---|---|---|---|
| Model No. | LA003-004A99DN | LA003-005A99DN | TA003-10003 |
| Module Dimension (mm) | φ 86 x 52 | φ 86 x 52 | φ 86 x 52.5 |
| Weight (g) | 275 | 275 | 237 |
| Cooling Module Noise @ 1M, dB(A) | 16.3 | 16.3 | 15.1 |
| Rated Voltage (V) | 5 | 12 | 12 |
| Power Consumption (W) | 0.26 | 0.28 | 0.28 |
| Fan Speed (RPM) | 2200 | 2200 | 2200 |
| Heat Sink Material | AL6063 | AL6063 | AL6063 |
| Fan Model No. | HA60150V3-E03U-A99 | HA60151V3-E00U-A99 | HA60151V3-E00U-A99 |
| Safety | UL/CUR/TUV/CE | UL/CUR/TUV/CE | UL/CUR/TUV/CE |
| Multiple Holes ^{※1} | -- | -- | -- |
| Zhaga Holes | -- | -- | Book 3 |
| Thermal Resistance (°C/W) ^{※2} | 0.26 | 0.26 | 0.70 |
| Experiment LED Module | GE Infusion Module M3000 Series (46W) | GE Infusion Module M3000 Series (46W) | Philips Fortimo LED SLM 2000/830 (32W) |

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|---|---|---|---|
| Model No. | LA004-003A99DN | TA004-10003 | LA004-001A99DN |
| Module Dimension (mm) | φ 86 x 52.5 | φ 86 x 52.5 | φ 86 x 52.5 |
| Weight (g) | 231 | 233 | 231 |
| Cooling Module Noise @ 1M, dB(A) | 15.8 | 16.2 | 15.8 |
| Rated Voltage (V) | 12 | 12 | 5 |
| Power Consumption (W) | 0.35 | 0.34 | 0.40 |
| Fan Speed (RPM) | 2200 | 2200 | 2200 |
| Heat Sink Material | AL6063 | AL6063 | AL6063 |
| Fan Model No. | HA60151V3-E01U-A99 | HA60151V3-E01U-A99 | HA60150V3-E02U-A99 |
| Safety | UL/CUR/TUV/CE | UL/CUR/TUV/CE | UL/CUR/TUV/CE |
| Multiple Holes ^{※1} | ○ | -- | -- |
| Zhaga Holes | Book 3 | -- | -- |
| Thermal Resistance (°C/W) ^{※2} | 0.53 | 0.52 | 0.49 |
| Experiment LED Module | Philips Fortimo LED SLM 3000/830 (43W) | Philips Fortimo LED SLM 3000/830 (43W) | Osram PrevaLEP-3000-840-C (39W) |

※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: Thermal Resistance is for reference only. (For more information please see the product specification of LED brand.) Please test thermal resistance again by using on different applications.

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| |  |  |  |
|---|---|---|---|
| Model No. | LA006-001A99DN | LA006-002A99DN | LA006-003A99DN |
| Module Dimension (mm) | φ 90 x 52.5 mm | φ 90 x 52.5 mm | φ 90 x 52.5 mm |
| Weight (g) | 302 | 302 | 302 |
| Cooling Module Noise @ 1M, dB(A) | 16 | 16.0 | 16.0 |
| Rated Voltage (V) | 12 | 12 | 5 |
| Power Consumption (W) | 0.34 | 0.39 | 0.35 |
| Fan Speed (RPM) | 2200 | 2200 | 2200 |
| Heat Sink Material | AL6063 | AL6063 | AL6063 |
| Fan Model No. | HA60151V3-E01U-A99 | HA60151V3-E01U-A99 | HA60151V3-E01U-A99 |
| Safety | UL/CUR/TUV/CE | UL/CUR/TUV/CE | UL/CUR/TUV/CE |
| Multiple Holes ^{*1} | -- | -- | -- |
| Zhaga Holes | Book 3 | -- | Book 3 |
| Thermal Resistance (°C/W) ^{*2} | 0.48 | 1.04 | 0.48 |
| Experiment LED Module | Philips Fortimo LED SLM 5000 (75W) | Citizen CLL030 (65W) | -- |

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|---|---|
| Model No. | LM310-001A99DN |
| Module Dimension (mm) | 121 x 92.3 x 66 |
| Weight (g) | 352 |
| Cooling Module Noise @ 1M, dB(A) | 17.8 |
| Rated Voltage (V) | 12 |
| Power Consumption (W) | 0.34 |
| Fan Speed (RPM) | 2200 |
| Heat Sink Material | ADC10 (Base)+AL1050 (Fin)+C1100 (Heat Pipe & Base) |
| Fan Model No. | HA60151V3-E01U-A99 |
| Safety | UL/CUR/TUV/CE |
| Multiple Holes ^{*1} | -- |
| Zhaga Holes | Book 3 |
| Thermal Resistance (°C/W) ^{*2} | 0.33 |
| Experiment LED Module | Citizen CLL050 (180W) |

*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: Thermal Resistance is for reference only. (For more information please see the product specification of LED brand.) Please test thermal resistance again by using on different applications.