

LED Lighting Cooling Module

Solution for LED Light Engine Manufacturers

email minsk17@tut.by



ES Rectangle . RS

10.4~49.4W

LED Module maximum operating temperature(Tc) <105°C

- BXRA-xxx0800/0950/1100 (10.4W)
- BXRA-xxx1200/1350/1600 (14.8W)
- BXRA-xxx2000/1350/2600 (25.9W)
- BXRA-xxx3500/4000/4500-F-00 (31.8W)
- BXRA-xxx4000/4500/5300-H-00 (49.4W)

CL-L340

47.3W

LED Module maximum operating temperature(Tc) <100°C

- CL-L340-MC41N1-C1 (47.3W)
- CL-L340-MC41W1-C (47.3W)
- CL-L340-MC41WW1-C (47.3W)
- CL-L340-MC41L1-C (47.3W)
- CL-L340-MC41L2-C (47.3W)
- CL-L340-C41N-C (47.3W)

PrevaLED

11.5~51.6W

LED Module maximum operating temperature(Tc) <85°C

- PL-CORE-Z3-1000 (11.5W)
- PL-CORE-Z3-2000 (21.4W)
- PL-CORE-Z3-3000 (32.5W)
- PL-CORE-Z3-5000 (51.6W)

Fortimo SLM

23~45W

LED Module maximum operating temperature(Tc) <75°C

- 2000lm G3 (23W)
- 3000lm G3 (33W)
- 4000lm G3 (45W)
- 4500lm G3 (45W)

TALEXX

21.5~41.0W

LED Module maximum operating temperature(Tc) <90°C

- STARK-SLE-G3-19-2000-SEL (21.5 W)
- STARK-SLE-G3-19-3000-SEL (32.5 W)
- STARK-SLE-G3-23-3000-SEL (30.0 W)
- STARK-SLE-G3-19-2000-SEL (40.9 W)
- STARK-SLE-G3-23-4000-SEL (41.0 W)

LUGA Shop

28.8~54.4W

LED Module maximum operating temperature(Tc) <85°C

- WU-M-461 (28.8W)
- WU-M-462 (42.0W)
- WU-M-464 (54.4W)



Size : Ø86 x 30.4mm	Size : Ø86 x 45.4mm	Size : Ø86 x 52.4mm
LA001-018A81LY (aluminum colour 5V)	LA004-024A83LY (aluminum colour 5V)	LA006-006A83LY (aluminum colour 5V)
LA001-018B81LY (black 5V)	LA004-024B83LY (black 5V)	LA006-006B83LY (black 5V)
LA001-019A81LY (aluminum colour 12V)	LA004-025A83LY (aluminum colour 12V)	LA006-007A83LY(aluminum colour 12V)
LA001-019B81LY (black 12V)	LA004-025B83LY (black 12V)	LA006-007B83LY(black 12V)
Weight (g) 112	Weight (g) 194	Weight (g) 234
Fan Speed (RPM) 2200	Fan Speed (RPM) 2200	Fan Speed (RPM) 2200
Noise @ 1M , (dB(A)) 17.0	Noise @ 1M , (dB(A)) 17.0	Noise @ 1M , (dB(A)) 17.0
Zhaga hole : Book3	Zhaga hole : Book3	Zhaga hole : Book3



ES Rectangle RS 85.4W

LED Module maximum operating temperature (Tc) <105°C

BXRA-XXX7000/7500/9000-J-00 (85.4W)



Size : 121 x 92.3 x 66.0 mm	
LM310-003A99LN	
Weight (g) 352	
Fan Speed (RPM) 2200	
Noise @ 1M , (dB(A)) 17.8	



COB 10.9~42.9W

LED Module maximum operating temperature (Tc) <100°C

- CLL032-1205A5 (10.9W)
- CLL032-1208A5 (17.4W)
- CLL032-1205A5 (26.8W)
- CLL032-1208A5 (42.9W)
- CLL032-1206A5 (13.0W)
- CLL032-1212A5 (26.1W)
- CLL032-1206A5 (32.2W)
- CLL042-1218A5 (39.1W)



Size : Ø86 x 40.4mm	
LA003-014A82LN (aluminum colour 12V)	
LA003-014B82LN (black 12V)	
Weight (g) 163	
Fan Speed (RPM) 2200	
Noise @ 1M , (dB(A)) 16.5	



COB 89.3~177.9W

LED Module maximum operating temperature (Tc) <100°C

- CLL044-1212 (89.3W)
- CLL044-1812 (134W)
- CLL044-1818 (86.7W)
- CLL044-1818 (128.1W)
- CLL054-1825 (120.4W)
- CLL054-1825 (177.9W)



Size : 121 x 92.3 x 66.0 mm	
LM310-001A99LN	
Weight (g) 352	
Fan Speed (RPM) 2200	
Noise @ 1M , (dB(A)) 17.8	



Partner Infusion GE Lighting 13.5~40W

LED Module maximum operating temperature (Tp) <65°C

- Gen3 M1000 Series (13.5W)
- Gen3 M1500 Series (20W)
- Gen3 M2000 Series (27W)
- Gen3 M3000 Series (40W)



Size : Ø86x40.4mm	
LA003-013A82LY (Aluminum colour 5V)	
LA003-013B82LY (Black 5V)	
LA003-012A82LY (Aluminum colour 12V)	
LA003-012B82LY (Black12V)	
Weight (g) 163	
Fan Speed (RPM) 2200	
Noise @ 1M , (dB(A)) 16.5	



Size : Ø86x57.4mm	
LA004-017A83LY (Aluminum colour 12V)	
LA004-017B83LY (Black 12V)	
Weight (g) 268	
Fan Speed (RPM) 2200	
Noise @ 1M , (dB(A)) 15.9	

LED Lighting Active Cooling Module & Cooling Fan

Application : MR16



Specifications	EF30080S2-E000-A99	HA30101V3-E000-A99
Model No.	EF30080S2-E000-A99	HA30101V3-E000-A99
Module Dimension (mm)	φ 30 x 8	φ 39.8 x 10.4
Weight (g)	4.3	7.3
Rated Voltage (V)	3.3/5	12
Power Consumption (W)	0.20 / 0.40	0.30
Fan Speed (RPM)	4300 / 7000	4400
Air Flow (CFM)	1.8 / 3.0	1.9
Static Pressure (Inch-H ₂ O)	0.03 / 0.08	0.04
Noise @ 1M (dB(A))	3.1 / 17.0	10.5
Safety	UL / CUR / TUV / CE	UL / CUR / TUV / CE

Application : A19



Specifications	HA40101V3-E000-A99
Model No.	HA40101V3-E000-A99
Module Dimension (mm)	φ 48.9 x 10.6
Weight (g)	11.8
Rated Voltage (V)	12
Power Consumption (W)	0.32
Fan Speed (RPM)	3900
Air Flow (CFM)	4.5
Static Pressure (Inch-H ₂ O)	0.05
Noise @ 1M (dB(A))	13.1
Safety	UL / CUR / TUV / CE

Cooling Fan

Application :
Spotlight / Downlight



Specifications	HA60150V3-E030-A99	HA60151V3-E000-A99	HA60150V3-E020-A99	HA60151V3-E010-A99
Model No.	HA60150V3-E030-A99	HA60151V3-E000-A99	HA60150V3-E020-A99	HA60151V3-E010-A99
Fan Dimension (mm)	φ 84.9 x 15.4	φ 84.9 x 15.4	φ 84.9 x 15.4	φ 84.9 x 15.4
Weight (g)	29.1	29.1	27.3	27.3
Rated Voltage (V)	5	12	5	12
Power Consumption (W)	0.26	0.28	0.40	0.34
Fan Speed (RPM)	2300	2300	2300	2300
Air Flow (CFM)	9.7	9.7	13.2	13.2
Static Pressure (Inch-H ₂ O)	0.03	0.03	0.03	0.03
Noise @1M (dB(A))	15.4	15.4	16.1	16.1
Safety	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE

* model with PWM control function



Specifications	HA60150V3-E000-H99 *	HA60151V3-E050-H99 *	HA60200V3-E000-A99	HA60201V3-E000-A99
Model No.	HA60150V3-E000-H99 *	HA60151V3-E050-H99 *	HA60200V3-E000-A99	HA60201V3-E000-A99
Fan Dimension (mm)	φ 84.9 x 15.4	φ 84.9 x 15.4	φ 84.9 x 20.4	φ 84.9 x 20.4
Weight (g)	28.8	28.8	30.5	30.5
Rated Voltage (V)	5	12	5	12
Power Consumption (W)	0.33	0.42	0.31	0.34
Rated Speed (RPM)	2300	2300	2300	2300
Air Flow (CFM)	13.2	13.2	13	13
Static Pressure (Inch-H ₂ O)	0.03	0.03	0.03	0.03
Noise @1M (dB(A))	16.1	16.1	17.5	17.5
Safety	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE