



### 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
LA001-018A81DY (aluminum colour 5V)	LA004-024A83DY (aluminum colour 5V)	LA006-006A83DY (aluminum colour 5V)
LA001-018B81DY (black 5V)	LA004-024B83DY (black 12V)	LA006-006B83DY (black 5V)
LA001-019A81DY (aluminum colour 12V)	LA004-025A83DY (aluminum colour 12V)	LA006-007A83DY (aluminum colour 12V)
LA001-019B81DY (black 12V)	LA004-025B83DY (black 12V)	LA006-007B83DY (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 Zhaga hole : Book3	Zhaga Zhaga hole : Book3	Zhaga 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
LM310-003A99DN
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)
- CLL032-1205A5 (26.8W)
- CLL032-1206A5 (13.0W)
- CLL032-1206A5 (32.2W)
- CLL032-1208A5 (17.4W)
- CLL032-1208A5 (42.9W)
- CLL032-1212A5 (26.1W)
- CLL042-1218A5 (39.1W)



Size : Ø86 x 40.4mm
LA003-014A82DN (aluminum colour 12V)
LA003-014B82DN (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
LM310-001A99DN
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
LA003-013A82DY (Aluminum colour 5V)
LA003-013B82DY (Black 5V)
LA003-012A82DY (Aluminum colour 12V)
LA003-012B82DY (Black12V)
Weight (g) 163
Fan Speed (RPM) 2200
Noise @ 1M, (dB(A)) 16.5



Size : Ø86x57.4mm
LA004-017A83DY (Aluminum colour 12V)
LA004-017B83DY (Black 12V)
Weight (g) 268
Fan Speed (RPM) 2200
Noise @ 1M, (dB(A)) 15.9



### Fortimo SLM

23~33W

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

- 2000lm Gen3 (23W)
- 3000lm Gen3 (33W)



Size : Ø99 x 110mm
SM203-13002
Weight (g) 211
AL1050
Heat Sink Material ADC10
C1100
*1 TDP (W) 23.8
*2 Thermal Resistance (°C/W) 1.38
ΔT (°C) 32.9
Zhaga Zhaga hole : Book3

\*1 TDP (Thermal Design Power) is for reference only. Actual thermal performance may vary by different applications. Please test it again by using on different applications.

\*2 Thermal resistance is measured from the bottom middle of heat sink in free air without airflow obstructions, with PHILIPS(Fortimo LED SLM 3000 33W/930 L19 G3) LED chip.

## ■ Cooling Fan



### Specifications

Model No.	EF30080S2-E00U-A99	HA30101V3-E00U-A99	HA40101V3-E00U-A99	HA60200V3-E00U-A99	HA60201V3-E00U-A99
Fan Dimension (mm)	φ 30 x 8	φ 39.8 x 10.4	φ 48.9 x 10.6	φ 84.9 x 20.4	φ 84.9 x 20.4
Weight (g)	4.3	7.3	11.8	30.5	30.5
Rated Voltage (V)	3.3 / 5	12	12	5	12
Power Consumption (W)	0.20 / 0.40	0.30	0.32	0.31	0.34
Fan Speed (RPM)	4300 / 7000	4400	3900	2300	2300
Air Flow (CFM)	1.8 / 3.0	1.9	4.5	13	13
Static Pressure (Inch-H <sub>2</sub> O)	0.03 / 0.08	0.04	0.05	0.03	0.03
Noise @ 1M (dB(A))	3.1 / 17.0	10.5	13.1	17.5	17.5
Safety	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE



### Specifications

Model No.	HA60150V3-E03U-A99	HA60151V3-E00U-A99	HA60150V3-E02U-A99	HA60151V3-E01U-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 <sub>2</sub> 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

## ■ Dustproof & Waterproof Cooling Fan

### IP56 Rating



### Specifications

Model No.	GF60151B6-1E00U-AC9	GF60151B7-1E00U-AC9	GF60151B8-1E00U-AC9	GF60151B9-1E00U-AC9	GF60151B9-1E01U-AC9
Fan Dimension (mm)	60 x 60 x 15	60 x 60 x 15	60 x 60 x 15	60 x 60 x 15	φ 84.9 x 15.4
Weight (g)	47.0	47.0	47.0	47.0	45.0
Rated Voltage (V)	12	12	12	12	12
Power Consumption (W)	1.5	0.96	0.84	0.39	0.3
Fan Speed (RPM)	4500	3900	3200	2300	2200
Air Flow (CFM)	21.3	18.2	14.5	10.6	9.8
Static Pressure (Inch-H <sub>2</sub> O)	0.18	0.13	0.09	0.05	0.05
Noise @ 1M (dB(A))	34.5	29.8	24.9	17.1	17.1
Safety	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE

### IP68 Rating



### Specifications

Model No.	GF60151B6-1E00U-AE9	GF60151B7-1E00U-AE9	GF60151B8-1E00U-AE9	GF60151B9-1E00U-AE9	GF60151B9-1E01U-AE9
Fan Dimension (mm)	60 x 60 x 15	60 x 60 x 15	60 x 60 x 15	60 x 60 x 15	φ 84.9 x 15.4
Weight (g)	47.0	47.0	47.0	47.0	45.0
Rated Voltage (V)	12	12	12	12	12
Power Consumption (W)	1.56	1.26	1.08	0.54	0.48
Fan Speed (RPM)	4500	3900	3200	2300	2200
Air Flow (CFM)	21.3	18.2	14.5	10.6	9.8
Static Pressure (Inch-H <sub>2</sub> O)	0.18	0.13	0.09	0.05	0.05
Noise @ 1M (dB(A))	34.5	29.8	24.9	17.1	17.1
Safety	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE	UL / CUR / TUV / CE