

SOLUCIONES DE DISIPACIÓN PARA LEDS

					
Modelo	D8680N	D8666N	D8637N	D8625N	D8615N
Tamaño	86X80	86X66	86x37	86x25	86X15
Disipación (W)*	30	27	20	14	10
Colores	Negro	Negro	Negro/ Natural	Negro	Negro

				
Modelo	D7045N	D7035N	D4680N	D4650N
Tamaño	70X45	70X35	46X80	46X50
Disipación (W)*	17	14	13	10
Colores	Natural	Natural	Negro	Negro

* Valores aproximados que pueden variar en su aplicación.
Múltiples agujeros de fijación LED

DISIPACIÓN ACTIVA

Todos nuestros
disipadores están
disponibles con
ventilador



COOLING MODULE

Disponibles otras
soluciones bajo
demanda.





MingfaTech Manufacturing Limited

scan for more info



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LED THERMAL SOLUTION

Leading Provider



MingfaTech Manufacturing Limited

Overview

With professional know-how focused on LED cooling, MingfaTech brings high value to all its customers' esteemed brands. MingfaTech believes that any good LED thermal solution can make solid state lighting work more efficiently.

Therefore, as a LED thermal solution leading provider, MingfaTech is not only working on high quality, reasonable price and satisfactory lead time for clients, but also providing optimized designs derived from the early concepts. In other words, MingfaTech cares more about the complete value it can offer to clients by its full concentration on LED coolers more than the product itself.

Capabilities

MingfaTech is now holding with its own professional mechanical manufacturers in LED market but different production processes as aluminum extrusion, cold forging, die casting, deep drawing, sheet metal stamping, CNC cutting, laser cutting, milling, turning, welding, anodizing, power coating, silk screening, assembly, etc.

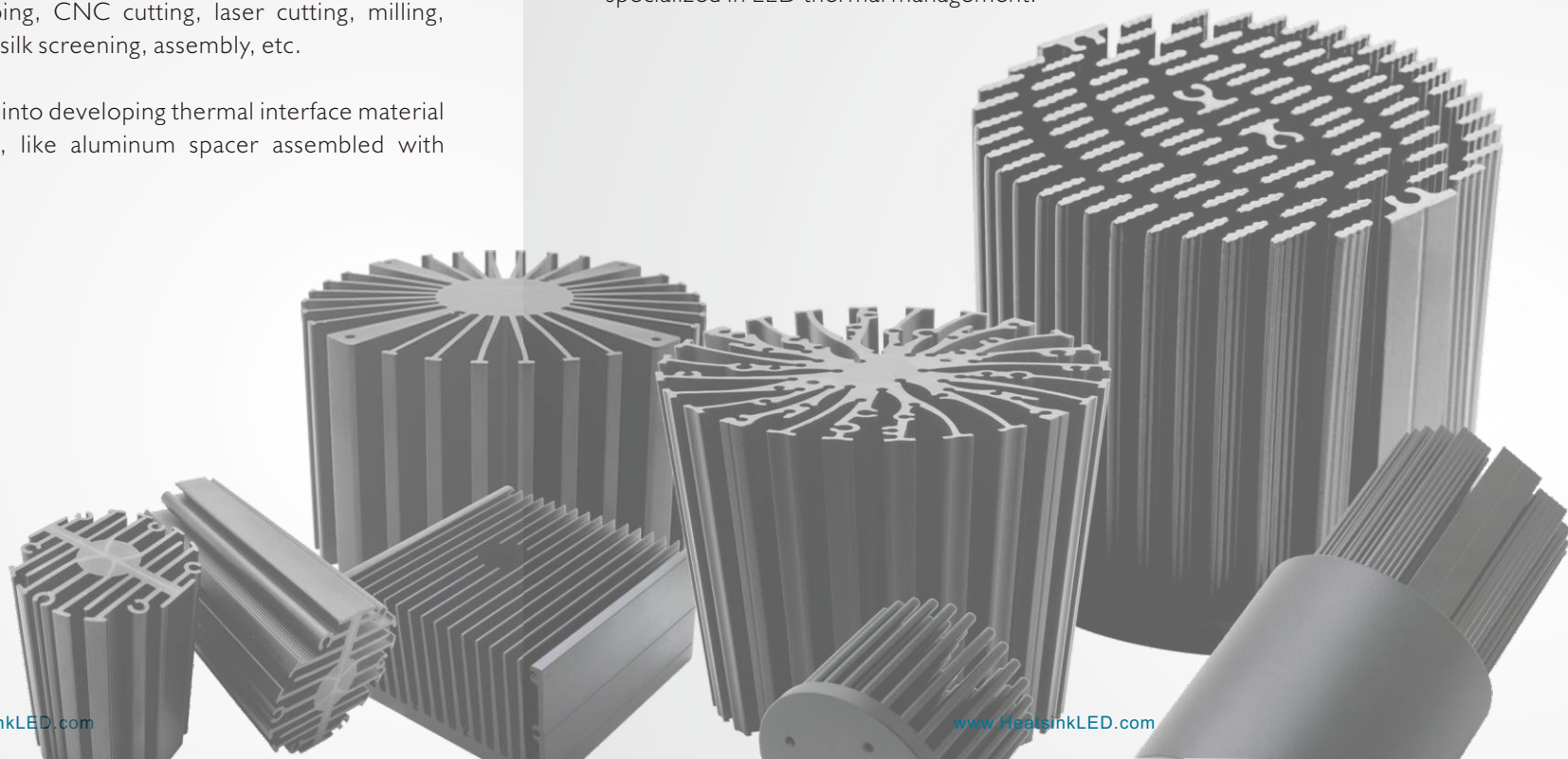
At the end of 2014, MingfaTech has stepped into developing thermal interface material between LED coolers and LED modules, like aluminum spacer assembled with thermal pad.

Established a strategic partnership with **Xicato, Bridgelux, LumiLEDs, Luminus, Seoul Semiconductor, LG Innotek, international light source brands**. All MingfaTech coolers compatible with more than **20 COB brands**.

Markets

Currently, MingfaTech has gained very good reputation from hundreds of valued customers in America, Europe, Middle East, Asia, Australia and rest of the world, who are mainly LED light manufacturers, LED OEM suppliers, LED design companies, LED consultant firms, LED distributors, and so on.

With more than seven years experiences in LED coolers manufacturing, as a trustworthy turnkey solution partner for all clients in LED industry, so the company is specialized in LED thermal management.

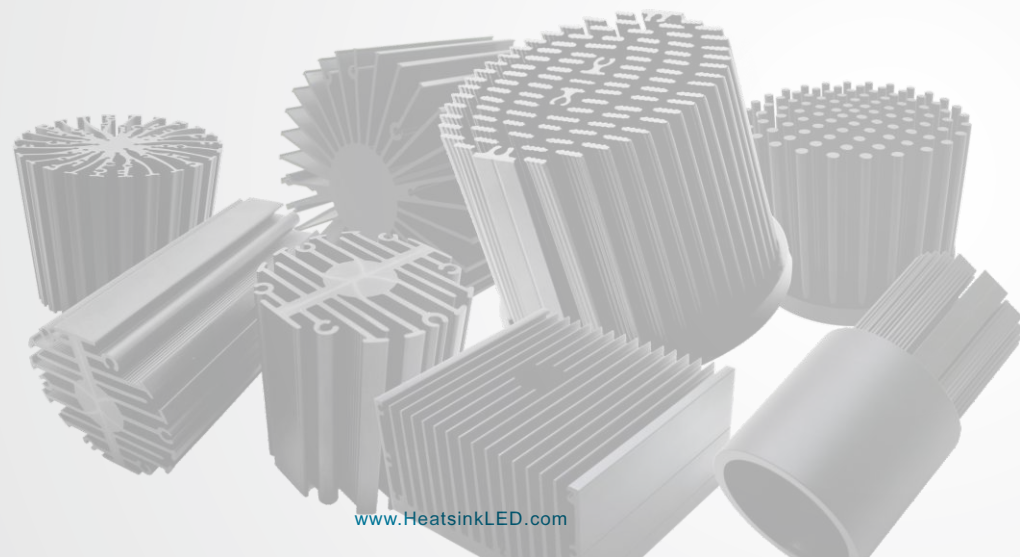


Mingfa Tech LED COOLER OVERVIEW

Product series	Item No.	Style	Diameter (mm)	Height (mm)	Net Weight (g/pcs)	Thermal Resistance(°C/W)	Thermal Wattage (W)	Cooling Performance(lm)
	eLED-46	Extrusion AL6063-T5	Φ46	20	41.0	6.25	8.0	300-1200
				50	100.9	5.00	10.0	500-1400
				80	161.5	3.80	13.0	500-1600
	eLED-70		Φ70	20	83.0	3.00	16.5	500-2100
				50	206.0	2.18	22.9	800-2900
				80	329.0	1.77	28.2	1200-3600
	eLED-95		Φ95	20	141.5	1.72	29.1	1500-3800
				50	353.0	1.25	40.5	1800-5200
				80	564.0	1.10	49.2	2000-6300
	xLED-45	Forging AL1070	Φ45	30	45.0	6.40	7.8	300-1200
				50	63.5	5.00	10.0	500-1400
				68	90.0	4.20	12.0	500-1600
	xLED-60		Φ60	30	80.0	4.20	12.0	500-1600
				50	112.0	3.30	15.5	500-2000
				30	106.0	3.30	15.0	500-2000
	xLED-70		Φ70	50	150.0	2.56	19.5	800-2500
				30	140.0	2.70	15.5	500-2000
				50	197.0	1.96	25.5	800-3300
	tLED-9290	Extrusion AL6063-T5	L92xW90	30	336.0	1.50	34.0	1500-4500
	L92xW90		50	486.0	1.06	47.0	2500-6100	
	tLED-19070		L190xW70	30	553.0	0.95	53.0	2800-7000
	L190xW70		50	770.0	0.70	71.0	3500-9200	
	BuLED-30E	Forging AL1070 +Extrusion AL6063-T5	Φ50	30	106.0	4.20	9~12	500-1400
	BuLED-50E			50	155.0	3.70	12~15	500-1900
	BuLED-30F			30	75.0	4.20	9~12	500-1400
	BuLED-50F			50	93.0	3.70	12~15	500-1500
	BuLED-68F			68	122.0	3.70	13~16	500-1700
	BuLED-30Fx			30	76.0	4.20	9~12	500-1400
	BuLED-50Fx			50	95.0	3.70	12~15	500-1500
	BuLED-68Fx			68	125.0	3.70	13~16	500-1700
				EtraLED-48	Extrusion AL6063-T5	Φ48	20	53.0
50		134.0	4.20				12.0	500-1600
80		213.0	3.60				14.0	800-1800
EtraLED-70		Φ70	20	77.0		3.57	14.0	800-1800
			50	192.0		2.20	23.0	1200-3100
			80	308.0		1.80	28.0	1500-3700
EtraLED-85		Φ85	20	115.0		2.00	25.0	1200-3300
			50	286.0		1.50	34.0	2000-4200
			80	458.0		1.30	38.0	1800-5000
EtraLED-96		Φ96	20	144.0		1.80	28.0	1500-3700
			50	360.0		1.20	37.5	1800-5000
			80	575.0		0.92	49.0	2500-6200
EtraLED-110		Φ110	20	165.0		1.50	33.0	2000-4000
			50	414.0		1.10	48.0	2500-6000
			80	662.0		0.90	57.0	3000-7200
EtraLED-130		Φ130	20	274.0		1.10	42.0	2500-5200
			40	553.0		0.98	51.0	3000-6800
			50	684.0		0.90	56.5	3000-7200
			80	1108.0		0.70	70.5	5000-9100
			100	1300.0		0.65	75.0	5000-9700

Mingfa Tech LED COOLER OVERVIEW

Product series	Item No.	Style	Diameter (mm)	Height (mm)	Net Weight (g/pcs)	Thermal Resistance(°C/W)	Thermal Wattage (W)	Cooling Performance(lm)
	GooLED-48	Forging AL1070	Φ48	30	46.0	5.60	8.8	300-1300
				50	63.0	4.20	12.0	500-1600
				68	91.0	3.70	13.5	500-1700
				80	101.0	3.47	14.4	500-1800
	GooLED-58		Φ58	30	79.0	4.50	11.2	500-1600
				50	114.0	3.30	15.0	500-1800
				80	182.0	2.82	17.7	500-2200
				30	107.0	3.50	14.3	500-2000
	GooLED-68		Φ68	50	153.0	2.70	18.5	800-2200
				60	176.0	2.50	20.0	800-2500
				80	245.0	2.27	22.0	800-2800
				30	138.0	2.70	18.0	800-2400
	GooLED-78		Φ78	50	197.0	2.10	24.0	800-3000
				80	316.0	1.67	30.0	1000-3800
30		463.0		1.30	39.0	1800-5000		
50		617.0		0.92	50.5	2000-6500		
	SimpoleLED-58	Extrusion AL6063-T5	Φ58	50	174.0	3.70	12.2	500-1600
	80			244.0	2.90	15.5	500-2000	
	SimpoleLED-81		Φ81	50	318.0	1.90	26.5	1200-3400
				80	508.0	1.60	31.0	1800-4000
	SimpoleLED-135		Φ135	50	638.0	0.83	63.0	2800-8000
				80	1020.0	0.71	70.0	3200-9100
	SimpoleLED-160		Φ160	50	1052.0	0.68	71.3	3200-9200
				100	2104.0	0.48	100.0	5000-13000
				150	3155.0	0.42	120.0	5000-16000



MENU

eLED coolers 2017 New

eLED-46	2
eLED-70	2
eLED-95	2

xLED coolers 2017 New

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xLED-60	4
xLED-70	4
xLED-80	4

tLED coolers 2017 New

tLED-9290	6
tLED-19070	6

BuLED coolers

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BuLED-30F/50F/68F	8
BuLED-30Fx/50Fx/68Fx	8

EtraLED coolers

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EtraLED-70	9
EtraLED-85	10
EtraLED-96	10
EtraLED-110	10
EtraLED-130	10

MENU

GooLED coolers

GooLED-48	11
GooLED-58	11
GooLED-68	12
GooLED-78	12
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GooLED-190	12

SimpoleD coolers

SimpoleD-58	14
SimpoleD-81	14
SimpoleD-135	14
SimpoleD-160	14

Reflector Series

JTK69xx-RE-K	16
JTK75xx-RE-K	16
JTK85xx-RE-K	16
JTK92xx-RE-K	16

Power Supply

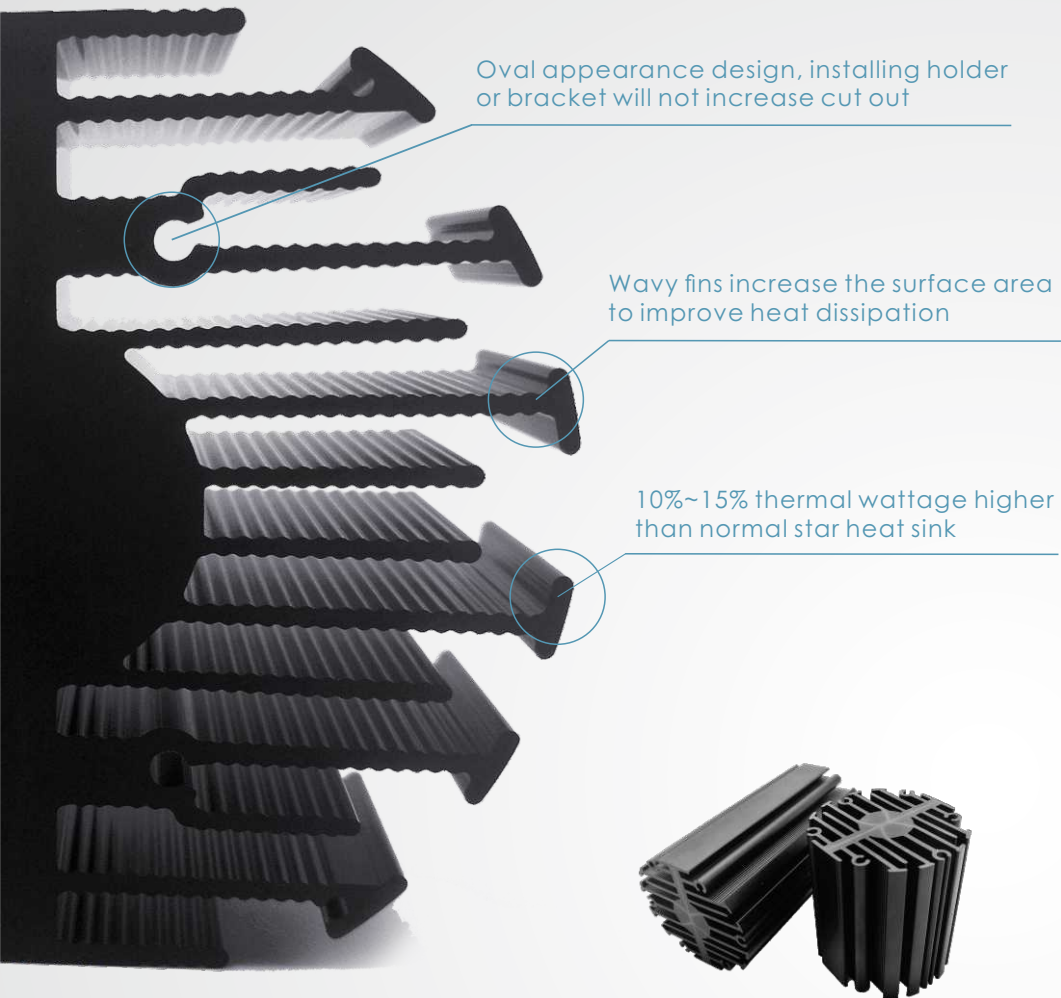
Ro1	17
Ro2	17
Ro3	17
Ro5	18
Rt1/Rt2	18
Rt3	18



TW: Thermal Wattage TR: Thermal Resistance

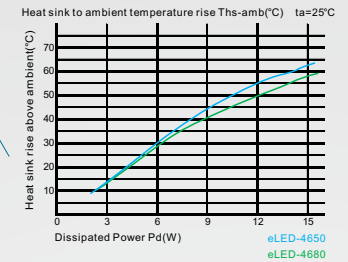
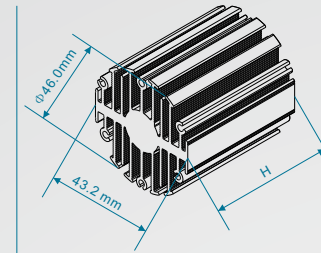
BuLED-E/eLED/EtraLED/SimpoleD coolers: Customized for height $\geq 20\text{mm}$

eLED coolers



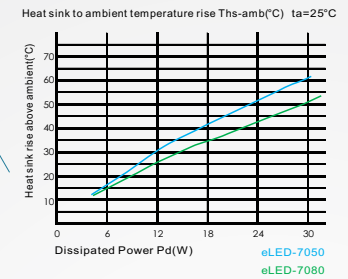
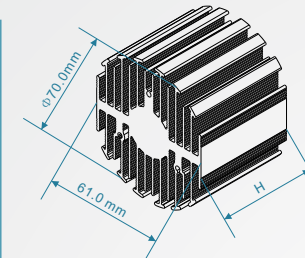
eLED-46

- Size: H50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 13.0W
- TR: 3.80~5.00°C/W



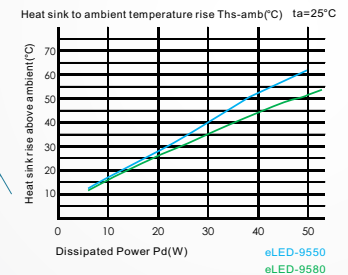
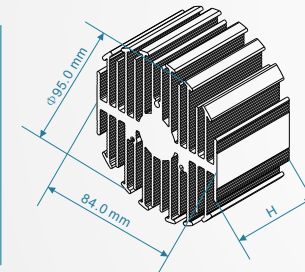
eLED-70

- Size: H50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 28.2W
- TR: 1.77~2.18°C/W



eLED-95

- Size: H50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 49.2W
- TR: 1.10~1.25°C/W



xLED coolers

Holes on the top for locking wires

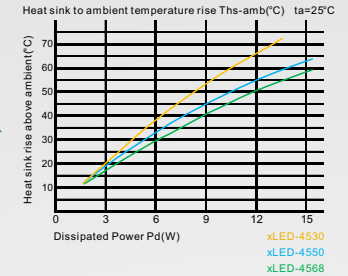
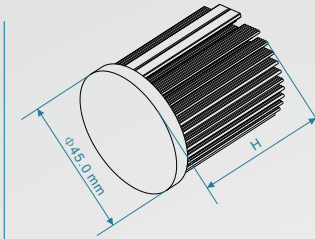
Wavy fins design can improve cooling area to 91577mm²

Side fins can be drilled with 8*M3 holes

Solid bottom plate can meet IP65~IP67

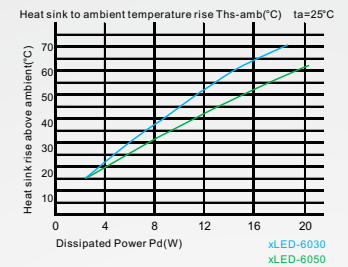
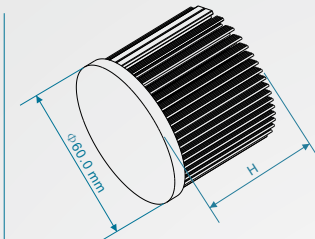
xLED-45

- Size: H30/50/68mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 12.0W
- TR: 4.20~6.40°C/W



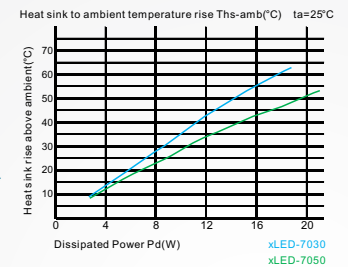
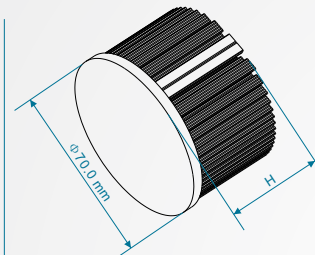
xLED-60

- Size: H30/50mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 15.5W
- TR: 3.30~4.20°C/W



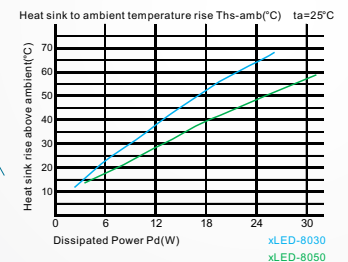
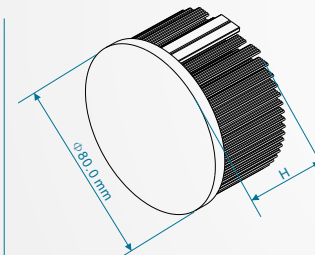
xLED-70

- Size: H30/50/60mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 19.5W
- TR: 2.56~3.30°C/W



xLED-80

- Size: H30/50mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 25.5W
- TR: 1.96~2.70°C/W



tLED coolers

AL6063-T5 thermal conductivity is
1.5 times higher than ADC12

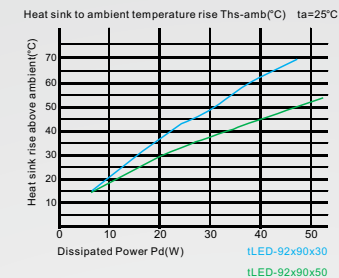
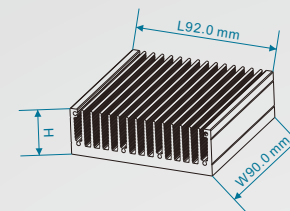
Compatible with more
than 20 SMD brands

Above 12 self-tapping holes
on two sides of the fins

Solid plate design to
meet the IP65~IP67

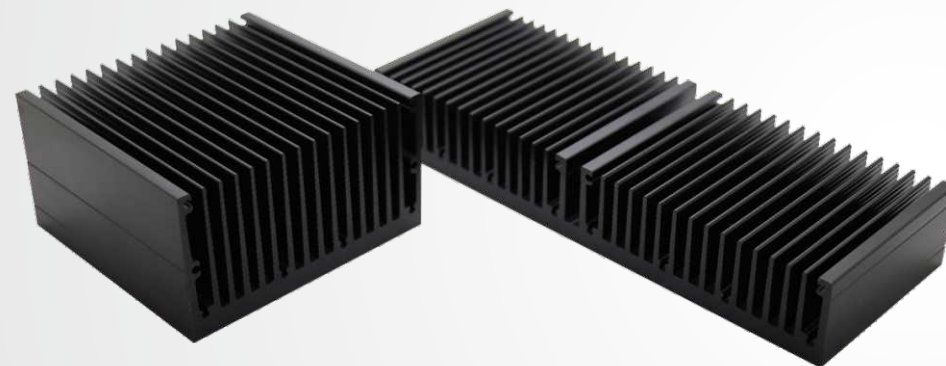
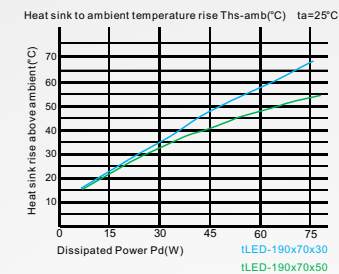
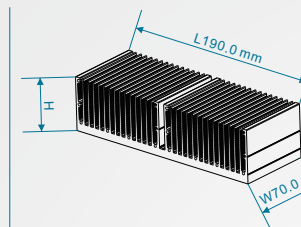
tLED-9290

- Size: H30/50mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 47.0W
- TR: 1.06~1.50°C/W



tLED-19070

- Size: H30/50mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 71.0W
- TR: 0.70~0.95°C/W



BuLED coolers



BuLED-Fx

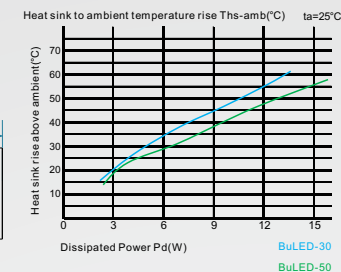
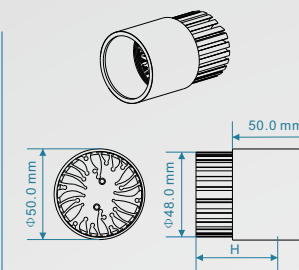


BuLED-E

BuLED-F

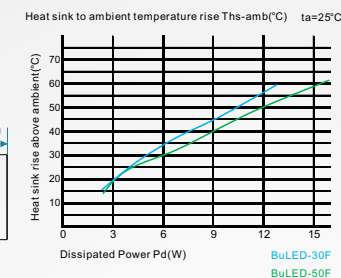
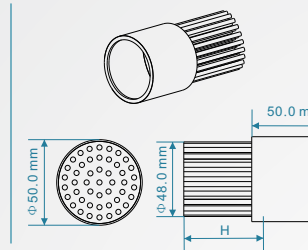
BuLED-30E/50E

- Size: H30/50mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 15.0W
- TR: 3.70~4.20°C/W



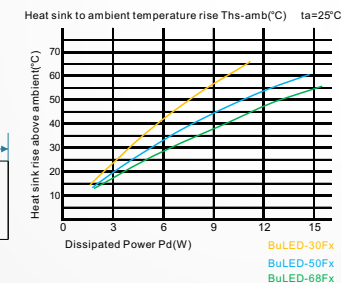
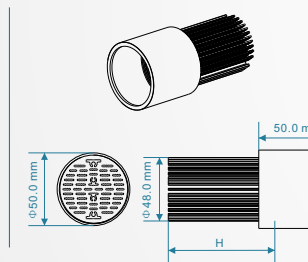
BuLED-30F/50F/68F

- Size: H30/50/68mm
- Material: AL1070+6063-T5
- Finish: Black/Clear Anodized
- TW(max): 15.0W
- TR: 3.70~4.20°C/W



BuLED-30Fx/50Fx/68Fx

- Size: H30/50/68mm
- Material: AL1070+6063-T5
- Finish: Black/Clear Anodized
- TW(max): 13.0W
- TR: 3.80~6.40°C/W



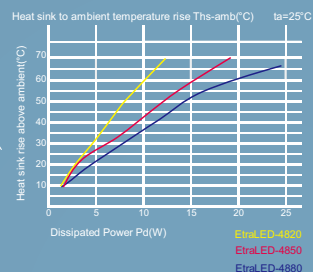
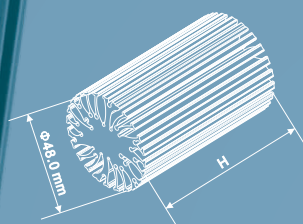
EtraLED coolers

Compatible with more than 20 COB brands. **Covering 85-95% of modules**

AL6063-T5 material

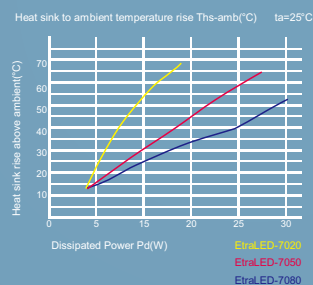
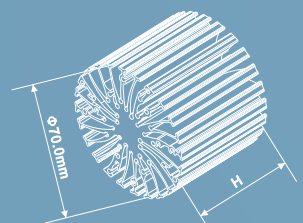
EtraLED-48

- Size: H20/50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 14.0W
- TR: 3.60~6.25°C/W



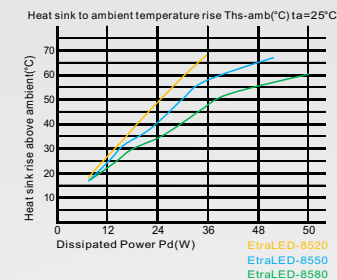
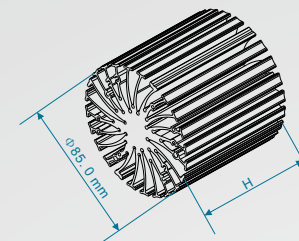
EtraLED-70

- Size: H20/50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 28.1W
- TR: 1.80~3.57°C/W



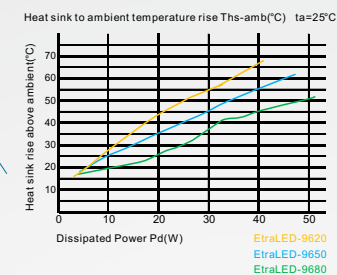
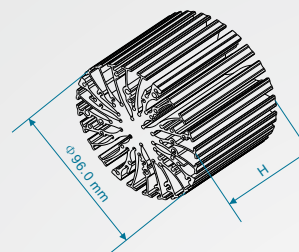
EtraLED-85

- Size: H20/50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 38.0W
- TR: 1.30~2.00°C/W



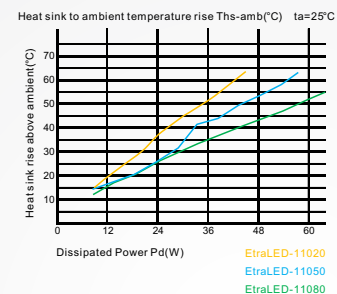
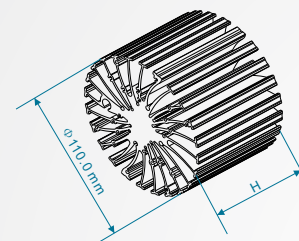
EtraLED-96

- Size: H20/50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 49.2W
- TR: 0.92~1.80°C/W



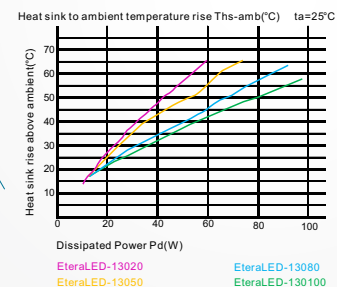
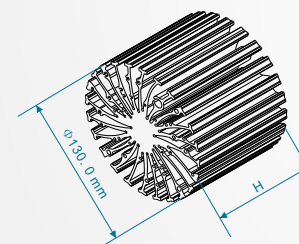
EtraLED-110

- Size: H20/50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 57.0W
- TR: 0.90~1.50°C/W



EtraLED-130

- Size: H20/50/80/100mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 76.2W
- TR: 0.65~1.10°C/W



GooLED coolers

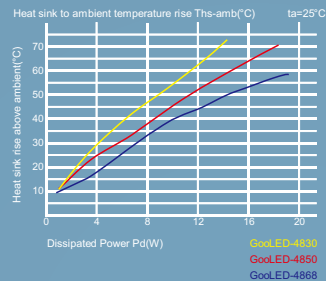
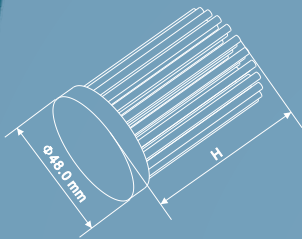
Compatible with more than 20 COB brands.
Covering almost 100% of modules

With 15% higher efficiency in heat dissipation than normal star heatsinks

Use AL1070 material by 30% lighter weight with high efficient heat dissipation

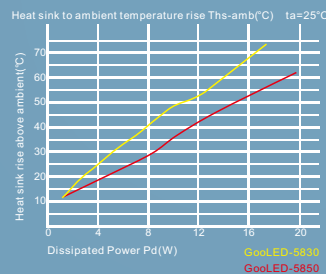
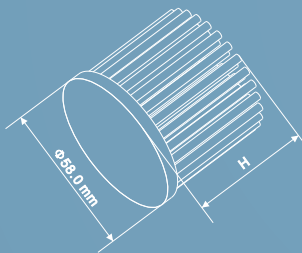
GooLED-48

- Size: H30/50/68mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 13.5W
- TR: 3.70~5.60°C/W



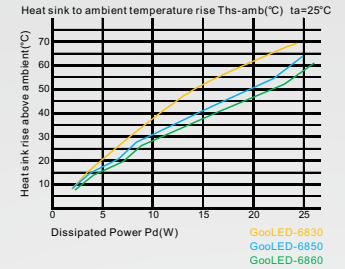
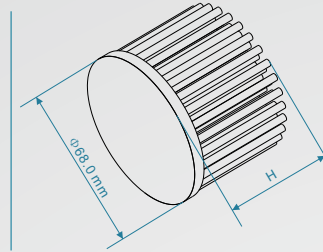
GooLED-58

- Size: H30/50mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 15.0W
- TR: 3.30~4.50°C/W



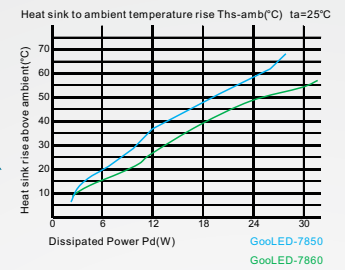
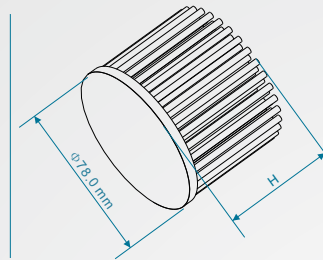
GooLED-68

- Size: H30/50/60mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 20.0W
- TR: 2.50~3.50°C/W



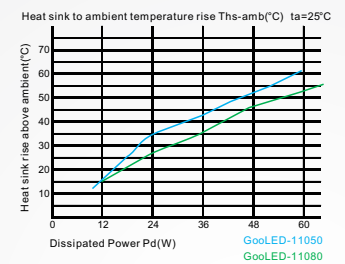
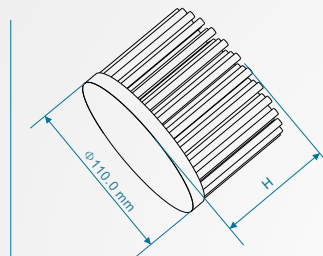
GooLED-78

- Size: H50/60mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 24.0W
- TR: 2.10~2.70°C/W



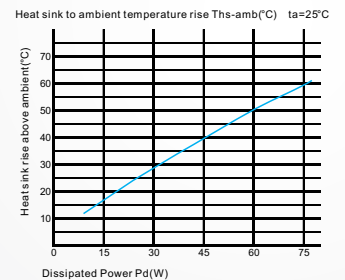
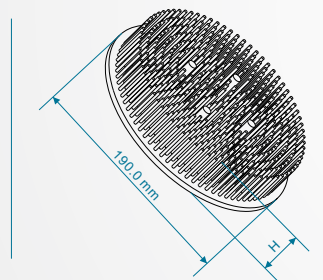
GooLED-110

- Size: H50/80mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 50.5W
- TR: 0.92~1.30°C/W



GooLED-190

- Size: H37mm
- Material: AL1070
- Finish: Black/Clear Anodized
- TW(max): 60.0W
- TR: 0.83°C/W



SimpoleLED coolers

Screw holes can be drilled on the bottom and side

Customized holes

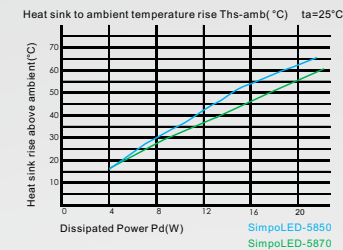
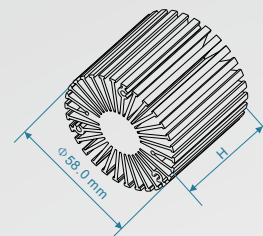
Fan, drivers and others can be installed on top if needed

AL6063-T5 material

Wide range for thermal power, Min 12w, Max 120w

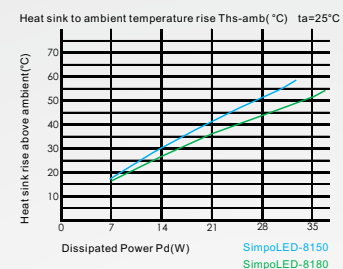
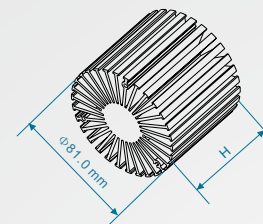
SimpoleLED-58

- Size: H50/70mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 15.5W
- TR: 2.90~3.70°C/W



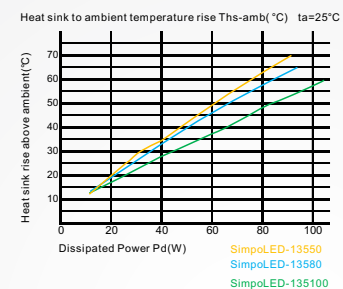
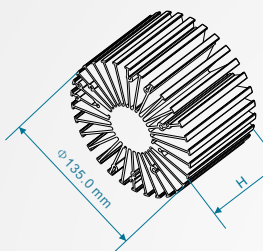
SimpoleLED-81

- Size: H50/80mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 31.2W
- TR: 1.60~1.90°C/W



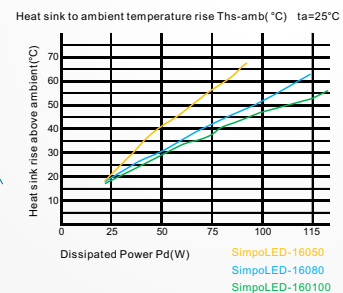
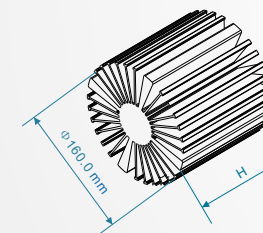
SimpoleLED-135

- Size: H50/80/100mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 84.0W
- TR: 0.71~0.83°C/W

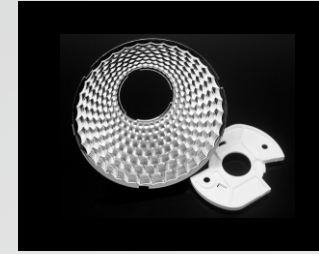


SimpoleLED-160

- Size: H50/100/150mm
- Material: AL6063-T5
- Finish: Black/Clear Anodized
- TW(max): 120.0W
- TR: 0.50~0.70°C/W



Reflector Series



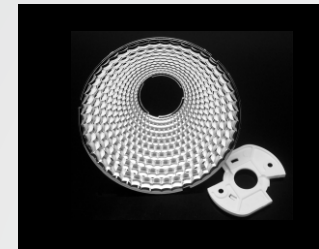
JTK69xx-RE-K

- Brand: Mingfa Tech
- Model: JTK69xx-RE-K
- Dia: 69.0mm
- Height: 36.1mm
- Beam Angle: 24°40°60°
- Material: PC



JTK75xx-RE-K

- Brand: Mingfa Tech
- Model: JTK75xx-RE-K
- Dia: 75.0mm
- Height: 44.4mm
- Beam Angle: 24°40°60°
- Material: PC



JTK85xx-RE-K

- Brand: Mingfa Tech
- Model: JTK85xx-RE-K
- Dia: 85.0mm
- Height: 44.4mm
- Beam Angle: 24°40°60°
- Material: PC



JTK92xx-RE-K

- Brand: Mingfa Tech
- Model: JTK92xx-RE-K
- Dia: 92.0mm
- Height: 44.3mm
- Beam Angle: 24°40°60°
- Material: PC

Reflector series are compatible with the branded LED module types listed as below:

- Tridonic: S17 Series.
- Sharp: 2024 Series.
- Osram: P13, S13, S19 Series.
- Samsung: S13, S21 Series.
- Luminus: CXM-14, CXM-18 Series.
- Seoul: ZC12, ZC18, ZC25, ZC40 Series.
- LumiLEDs: 1204, 1205, 1208, 1211 Series.
- Bridgelux: Vero10, Vero13; V15, V18 Series
- CREE: CXA15xx, CXA18xx, CXA25xx Series.
- Edison: HM05-18D, SL09, HM1630, HM40D, SL30 Series
- Citizen: CLL030, CLL630, CLL730, CLL720, CLL163, CLL173 Series.
- Lustrous: CCN09F-30F, LL604-620F, LL708-730F, CCH14-18 Series.

POWER Supply

5W~10W

High PF Constant Current
Size: Ro1 (Φ55.0*h24.0mm)



Model	Input Voltage (V)	Output current (mA)	Tol.	Output Voltage (V)	PF	Effi.	IP	Approval
FLD08-12070H	220-240	700	±5%	8-13	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FLD08-16050H	220-240	500	±5%	8-16	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FLD08-23035H	220-240	350	±5%	8-23	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FLD08-30025H	220-240	250	±5%	14-30	>0.9	80%-85%	IP20	CE/CB/SA/TUV

8W~12W

High PF Constant Current
Size: Ro2 (Φ65.0*h24.0mm)



Model	Input Voltage (V)	Output current (mA)	Tol.	Output Voltage (V)	PF	Effi.	IP	Approval
FALP12-17070	100-240	700	±5%	8-17	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP12-24050	100-240	500	±5%	8-24	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP12-34035	100-240	350	±5%	14-34	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP12-40025	100-240	250	±5%	20-43	>0.9	80%-85%	IP20	CE/CB/SA/TUV

15W~20W

High PF Constant Current
Size: Ro3 (Φ75.0*h26.0mm)



Model	Input Voltage (V)	Output current (mA)	Tol.	Output Voltage (V)	PF	Effi.	IP	Approval
FALP18-26070	100-240	700	±5%	15-26	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP18-36050	100-240	500	±5%	20-36	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP18-40035	100-240	350	±5%	20-40	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP18-65030	100-240	300	±5%	45-65	>0.9	80%-85%	IP20	CE/CB/SA/TUV

POWER Supply

30W~40W

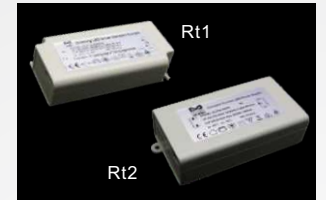
High PF Constant Current
Size: Ro5 (Φ95.0*h29.0mm)



Model	Input Voltage (V)	Output current (mA)	Tol.	Output Voltage (V)	PF	Effi.	IP	Approval
FALD30-40080H	220-240	800	±5%	20-40	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALD30-32090H	220-240	900	±5%	20-32	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALD30-29105H	220-240	1050	±5%	20-32	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALD40-40105H	220-240	1050	±5%	20-40	>0.9	80%-85%	IP20	CE/CB/SA/TUV

2W~15W; 3W~20W

Triac Dimmable
Size: Rt1 (79.8*38.2*21.0mm)
Rt2 (82.8*53.8*24.0mm)



Model	Input Voltage (V)	Output current (mA)	Tol.	Output Voltage (V)	PF	Effi.	IP	Approval
FAL-D1542	100-132	100-300	±5%	18-42	>0.9	80%-85%	IP20	Triac Dimmable
FAL-D2042	100-132	150-400	±5%	18-42	>0.9	80%-85%	IP20	Triac Dimmable
FAL-D4042	100-132	450-800	±5%	18-42	>0.9	80%-85%	IP20	Triac Dimmable

40W~60W

High PF Constant Current
Size: Rt3 (118.0*69.5*32.5mm)



Model	Input Voltage (V)	Output current (mA)	Tol.	Output Voltage (V)	PF	Effi.	IP	Approval
FALP50-40105	100-240	1050	±5%	20-40	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP50-40110	100-240	1100	±5%	20-40	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP50-40120	100-240	1200	±5%	20-40	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP50-40140	100-240	1400	±5%	20-40	>0.9	80%-85%	IP20	CE/CB/SA/TUV
FALP50-40105C	220-240	1050	±5%	20-40	>0.9	80%-85%	IP20	CCC
FALP50-40110C	220-240	1100	±5%	20-40	>0.9	80%-85%	IP20	CCC
FALP50-40120C	220-240	1200	±5%	20-40	>0.9	80%-85%	IP20	CCC
FALP50-40140C	220-240	1400	±5%	20-40	>0.9	80%-85%	IP20	CCC