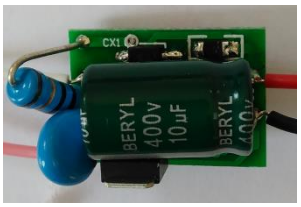
HV linear AC module series– Candle light

- One of the best AC linear module for LED candle light series
- Competitive Lm/w and Lm/$ in AC module and LED lighting application
- Diameters or outlines can be adjusted based on differentLED lighting fittings



RoHS

Product Brief

Description

- TD AC-HV linear series of products are designed to be driven directly off of AC line voltage, therefore they do not need the standard converter essential for conventional general lighting products.
- The AC-HV linear modules come out with our independent core HV LED sources and collocate professional linear IC controller.
- Simplify driver design, realize stable current output, and improve reliability, providing integrated technology for LED lighting product design.
- The AC-HV linear module can reduce cost of production material management and assembly process, cost saving for LED luminaires.
- Once exceeding limiting temperature 120℃ for linear IC in application, power will be reduced automatically to 50% , or turnoff power output at 155 ℃.

Features and Benefits

- Connects directly to AC line voltage
- High Power Efficiency & Factor
- Long Life Time
- Simple BOM
- Temperature protection
- Lead Free Product
- RoHS Compliant

Key Applications

- ✓ •Candle Light
- ✓ • Bulb Light(PCB change)
- ✓ •Industrial Light
- ✓ •Commercial Light

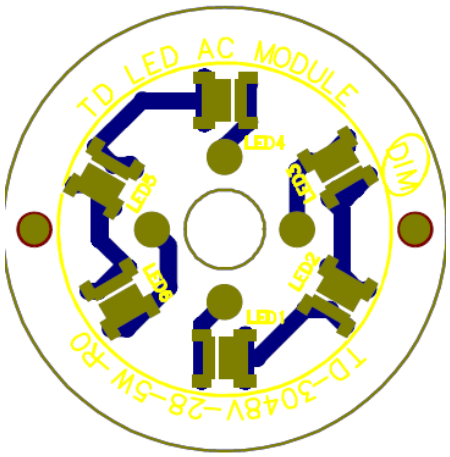
Product Information

Part No.	PCB size(mm)	Power (W)	Color	CCT(K)	CRI (Min)	Vin (Vac)	Flux(typ.)(lm) @3000K/85℃
MA-1A1-3Hx8-N006Ex	32	5	Cool	4700-6500	80	210-265	380
MA-1A3-3Hx8-D006Ax	28	5	Neutral	3700-4200		100-140	450
MA-1A3-3Hx8-D006Ex	28	5	Warm	2600-3200		210-265	450

Absolute Maximum Ratings

Item	Symbol	Unit	Value
Max.Input voltage	V_{in}	V	AC265V/60Hz
Operating Temperature	Topr	℃	-40~ +40
Storage Temperature	Tstg	℃	-40~ +100
LED junction temperature	Tj	℃	125
ESD sensitivity	-	-	±4,000V HBM
Power consumption	P	W	10

Outline dimensions



Part No.	Power[W]	PCB Diameter (mm)	Thickness (mm)
MA-1A1-3Hx8-N006Ex	5	32	1.5
MA-1A3-3Hx8-D006Ax	5	28	1.5
MA-1A3-3Hx8-D006Ex	5	28	1.5

All dimensions can be changed based on customized lighting fittings.