

## AGT-FL101-0500



90410100-0J0500-0001

### Product characteristics

- 220-240VAC input
- Selectable current:0.35-0.5A
- 25-40VDC output
- PF > 0.9@230Vac full load,EFF≥85%@230Vac full load
- Isolated type,No flicker,constant current design
- 5 years warranty

### Standard inventory parameters

- 4 levels of power adjustable drivers are available as the running stock
- Regularly selectable power : 0.5A(0.45A/0.4A/0.35A)/25-40V

## Optional parameters for this product

Model	Power	Input	Output	Irated
FL101-XXXX	5-28.5W	220-240V	25-40V	0200-0600mA

Note: XXXX represents output current

## Structural characteristics

- Loop in & Loop out
- Output terminal design
- Installation convenience

## Function

- SCP/Hiccup mode,Auto-recovery

## Product application

- Applied to EU standard panel light drivers

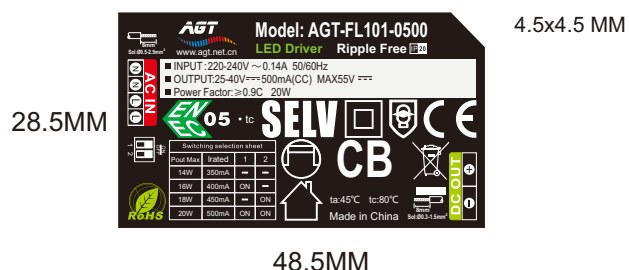
## Quality assurance and certification

- High reliability
- The lifetime up to 50000 hours,5 years warranty
- CERTIFICATE :CE /ENEC /ROHS

Website: [www.agtdriver.com](http://www.agtdriver.com)

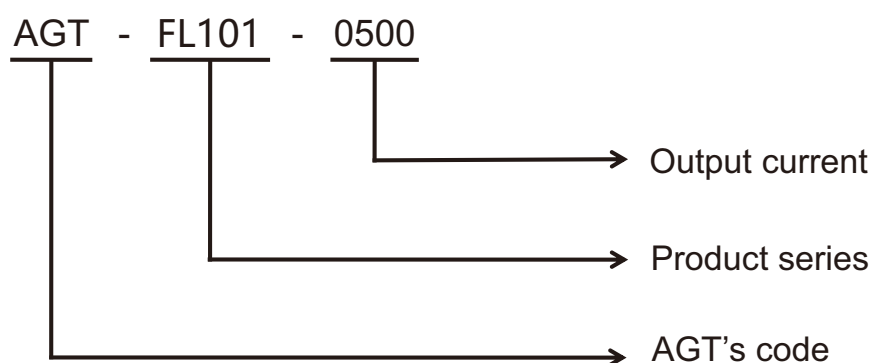
## Product labeling

AGT-FL101-0500 as an example



Note: Label can be customized by customer

## Rule of naming and coding



	Model	AGT-FL101-0500
Input parameters	Rated voltage	220-240Vac
	Input voltage	200-264Vac
	Input frequency	50-60Hz
	Max. input current	0.14A Max
	Surge current	30A/230Vac Max
	Efficiency (typical)	≥85%/@230Vac full load
	Power factor	>0.9/@230Vac full load
	Max input power	24W MAX
	Start up time	<350MS@230Vac full load
	THD	<15%@230Vac full load
Output parameters	Out put current	500mA Current can be adjusted to 450mA,400mA,350mA
	Output power	20W
	Accurate output current	Output current±5%
	Output voltage range	25-40V
	Ripple	≤2V(out:40V-500mA-Output current)
	Dimmable	NO
	Dimming type	/
Protection	Short circuit protection	Hiccup mode,auto-recovery
	Over voltage protection	55V
	Over-temperature protection	When the working temperature is higher than design temperature, the driver will be in standby mode, and it will recover working at a normal temperature
Environment	Operating temperature	-20℃- +45℃
	Operating humidity	10%-90%RH
	Stocking temperature、humidity	-40℃- +85℃,5%-95%RH
	Waterproof rating	IP20
	Case temperature	Ta:45℃ Tc:80℃
EMC	EMC standard	EN55015,EN61000-3-2,EN61000-3-3,EN61547
Safety	Safety standard	ENEC:EN61347-1,EN61347-2-13,EN62384 CE:EN 61347-1,EN 61347-2-13,EN 62493
	Certification	ENEC/CE/CB/ROHS
	High voltage tolerance	I/P-O/P:3750V
	Insulation resistance	I/P-O/P:100M Ω /500Vdc/25℃/70% RH
Product structure	Dimension	L128.6*W35.8*H22.5 mm
	Net weight	67g
	EP	RoHS

Note: The service life judgment standard is at a temperature of 40℃ and an input voltage of 230Vac.

## Current adjustment and corresponding parameters

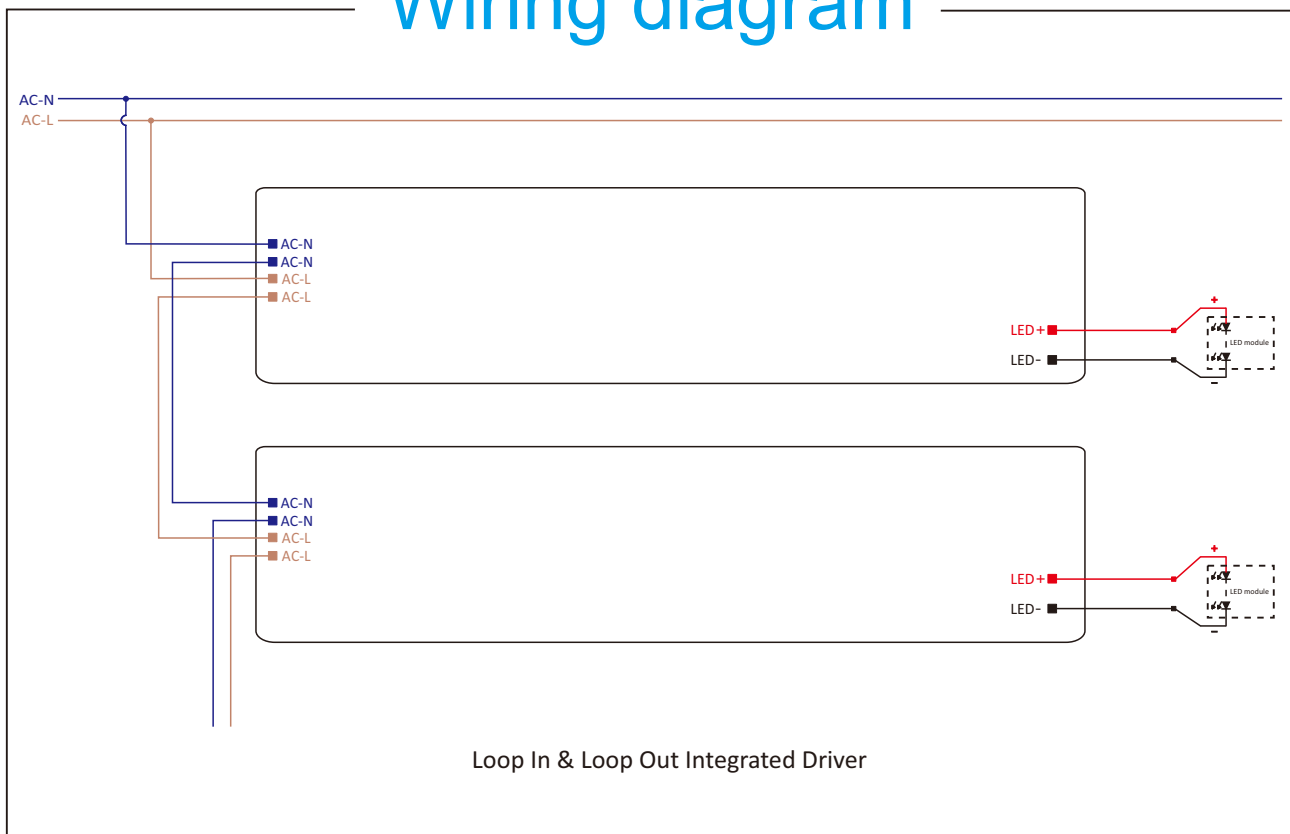
### AGT-FL101-0500

Switching selection sheet			
Pout Max	I <sub>rated</sub>	1	2
14W	350mA	—	—
16W	400mA	ON	—
18W	450mA	—	ON
20W	500mA	ON	ON



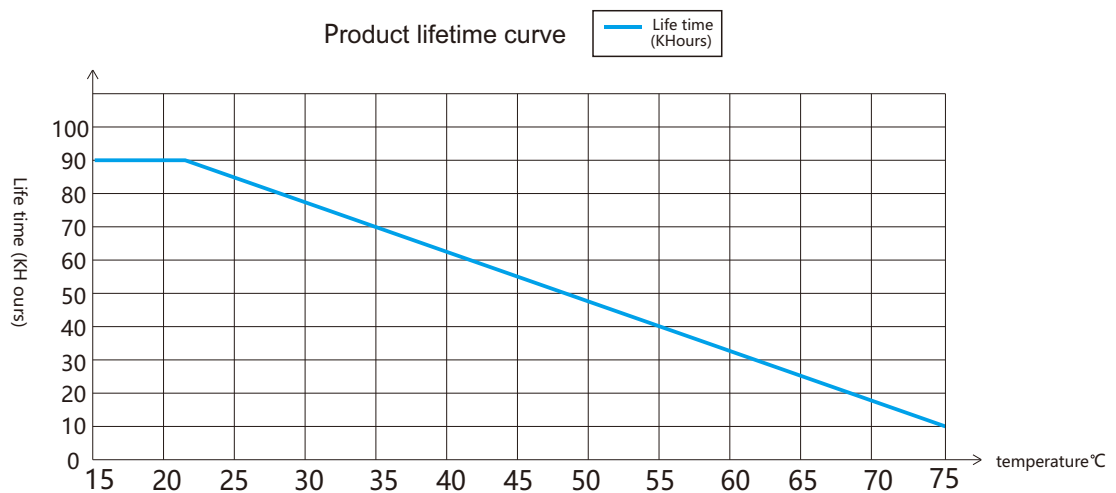
**Note :** ▲ means initial current ■ means current adjustment cut off

## Wiring diagram



## Product life reference diagram

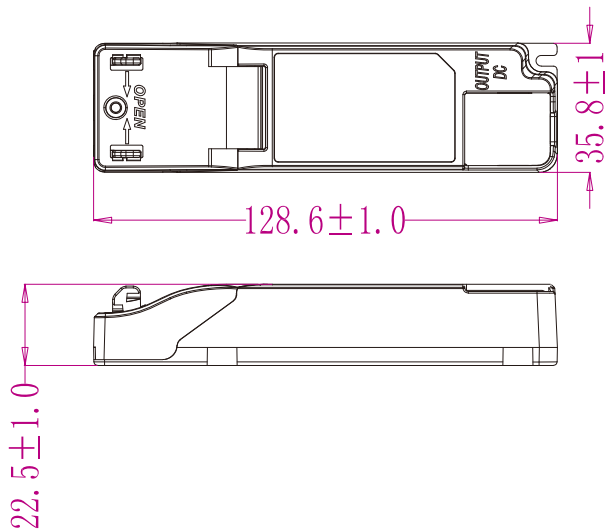
The power supply is used under the rated condition of the power supply at the ambient temperature ( $t_a$ ) of 45°C @230Vac, with a service life of 50000 hours and a 5 year warranty.



# installation diagram

## Mechanical Dimensions

Unit:mm



## AC IN

function	definition	colour
AC-N	AC neutral line	orange
AC-L	AC Fireline	orange

## DC OUT

function	definition	colour
+	Positive electrode	red
-	negative pole	black

## Installation precautions:

### Hot swapping

-Due to residual output voltage  $>0$  V, it is recommended not to hot plug.

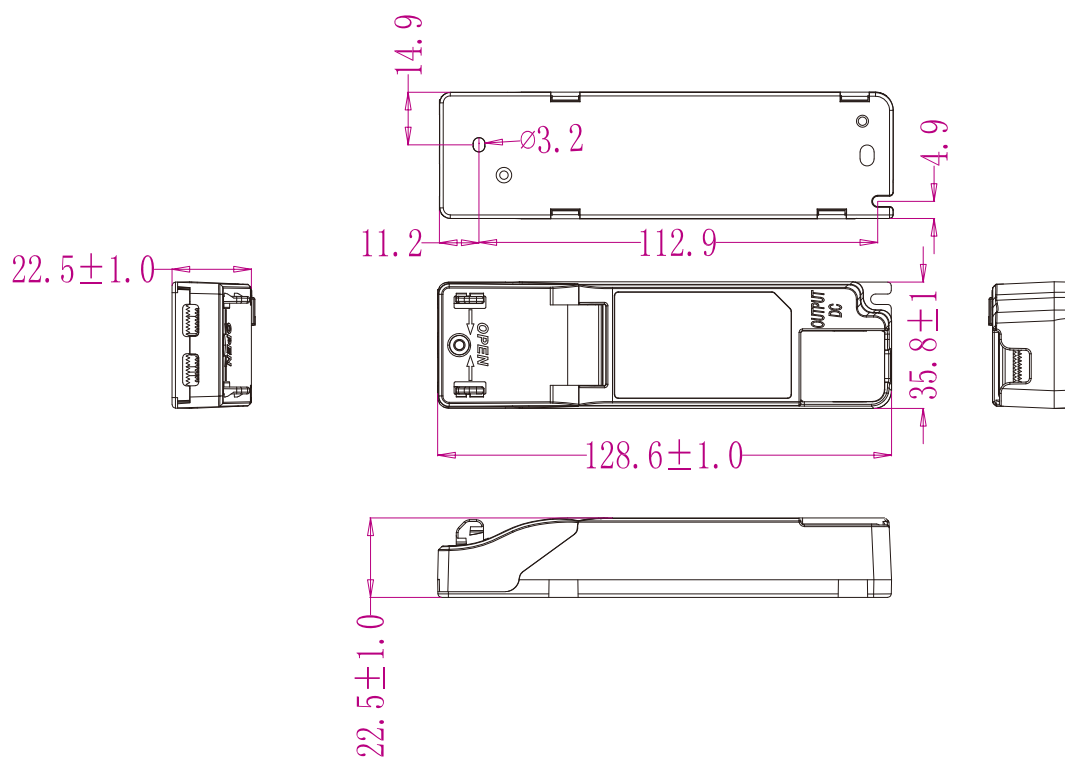
## Wiring guidance

- All connections must be kept as short as possible to ensure good EMI behavior.
- The power cord should be placed separately from the LED driver and other leads (ideally at a distance of 5-10 centimeters).
- The maximum output line length is 2 meters.
- Incorrect wiring can damage the LED module.

## Installation requirements

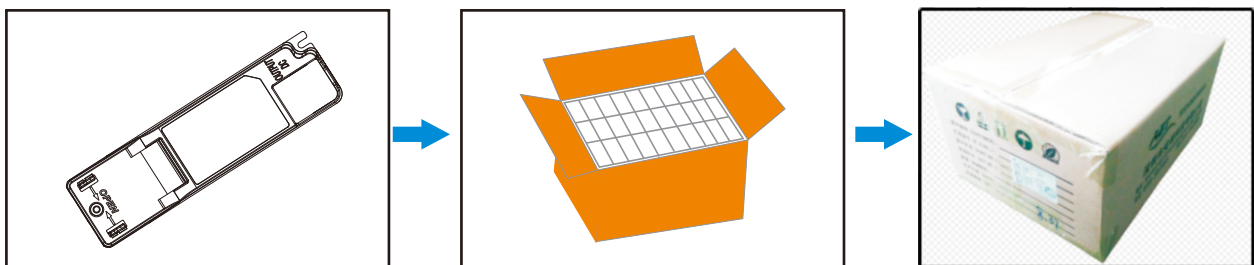
- The drive should be installed in a dry, acid free, oil free, and grease free environment.
- The installation environment temperature of the driver should not exceed the value of  $T_a$  at any time.
- The surface temperature of the driver installation should be below  $45^\circ\text{C}$ .
- The driver should be kept at a certain distance from the heating element (such as a lamp heat sink). If the drive is used externally (in conjunction with end cover accessories)

## Drawing of housing size



Dimension: L128.6\*W35.8\*H22.5 mm

## Packaging schematic



Model	Product size	Weight / set	Blister size	Flat card size	Outer box size	(Packing / case)	(Net weight / case)	(Gross quantity / case)
AGT-FL101-XXXX	128.6*35.8*22.5 mm	67g	/	382x269mm	395x282x205mm	180Pcs	12.1kg	12.4kg