



"Pro Max"

SHENZHEN ANGUI TECHNOLOGY CO.,LTD

Loop In & Loop Out Integrated Driver Pro Max NO flicker Series

AGT-PM-c50-1100



High-quality junction box

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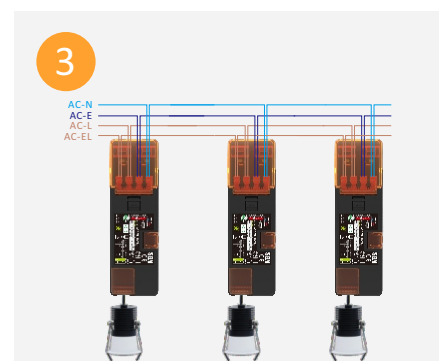
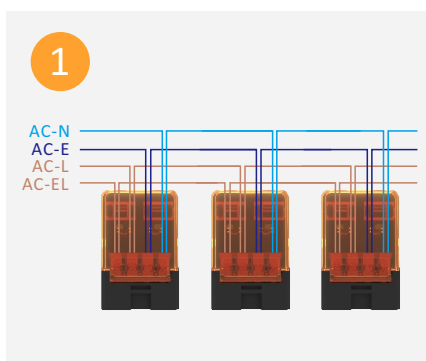
High-performance driver

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Pro Max
Flight loop driver

Innovative design with independent LED driver and connector for flexible replacement



Product characteristics

-185-265VDC input

- 220-240VAC input
- Selectable current:0.55-1.1A
- 20-42VDC output
- PF>0.9@230V full load,EFF≥93%@230V full load
- Isolated type,NO flicker,constant current design
- 5 years warranty

Standard inventory parameters

- 12 levels of power adjustable drivers are available as the running stock
- Regularly selectable power : 1.1A/(1.05A/1.0A/0.95A/0.9A/0.85A/0.8A/0.75A/0.7A/0.65A/0.6A/0.55A)/20-42V

Optional parameters for this product

Model	Power	Input	Output	Irated
PM-c50-XXXX	20-47W	220-240V	20-36V	1001-1300mA
PM-c50-XXXX	6-42W	220-240V	20-42V	0300-1000mA
Note: XXXX represents output current				

Structural characteristics

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

Function

- SCP/Hiccup mode,Auto-recovery

Product application

- Applied to EU standard panel light drivers

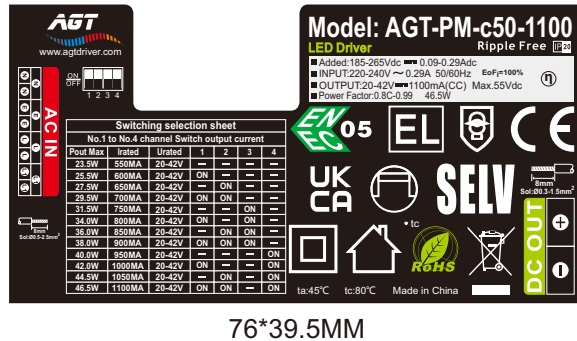
Quality assurance and certification

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

Website: www.agtdriver.com

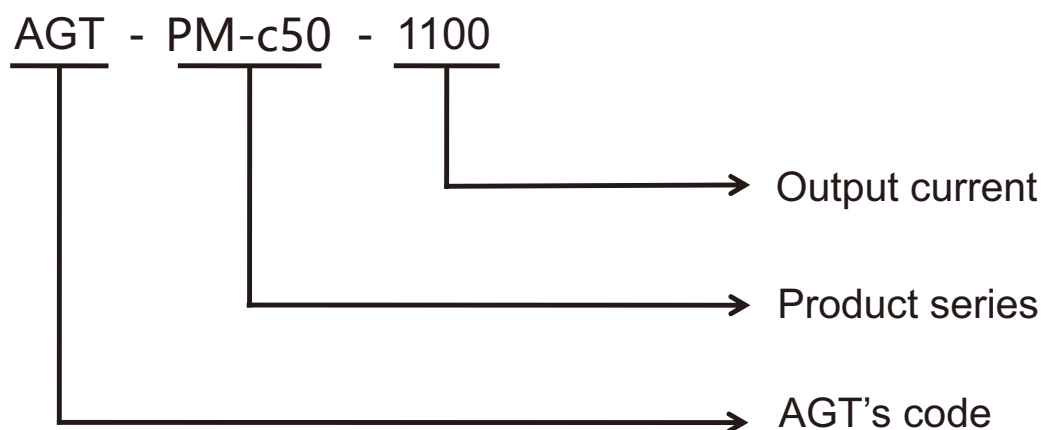
Product labeling

AGT-PM-c50-1100 as an example



Note: Label can be customized by customer

Rule of naming and coding



	Model	AGT-PM-c50-1100
Input parameters	Rated voltage	220-240Vac
	Input voltage	200-264Vac
	Input frequency	50-60Hz
	Max. input current	0.29A Max
	Surge current	30A/230Vac Max
	Efficiency (typical)	≥93%/@230Vac full load
	Power factor	>0.9/@230Vac full load
	Max input power	51.5W MAX
	Start up time	<350MS@230Vac full load
	THD	<15%@230Vac full load
Output parameters	Out put current	1100mA Current can be adjusted to 1050mA,1000mA,950mA,900mA 850mA,800mA,750mA,700mA,650mA,600mA,550mA
	Output power	46.5W
	Accurate output current	Output current±5%
	Output voltage range	20-42V
	Ripple	≤2V[out:42V-1100mA-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 greater than the set temperature of the power IC, the power supply is in the state of current loss protection and recovers when the temperature is normal
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	L189.5*W49*H26 mm
	Net weight	152.5g
	EP	RoHS

Note: The service life judgment standard is at ta 40, input: 230Vac

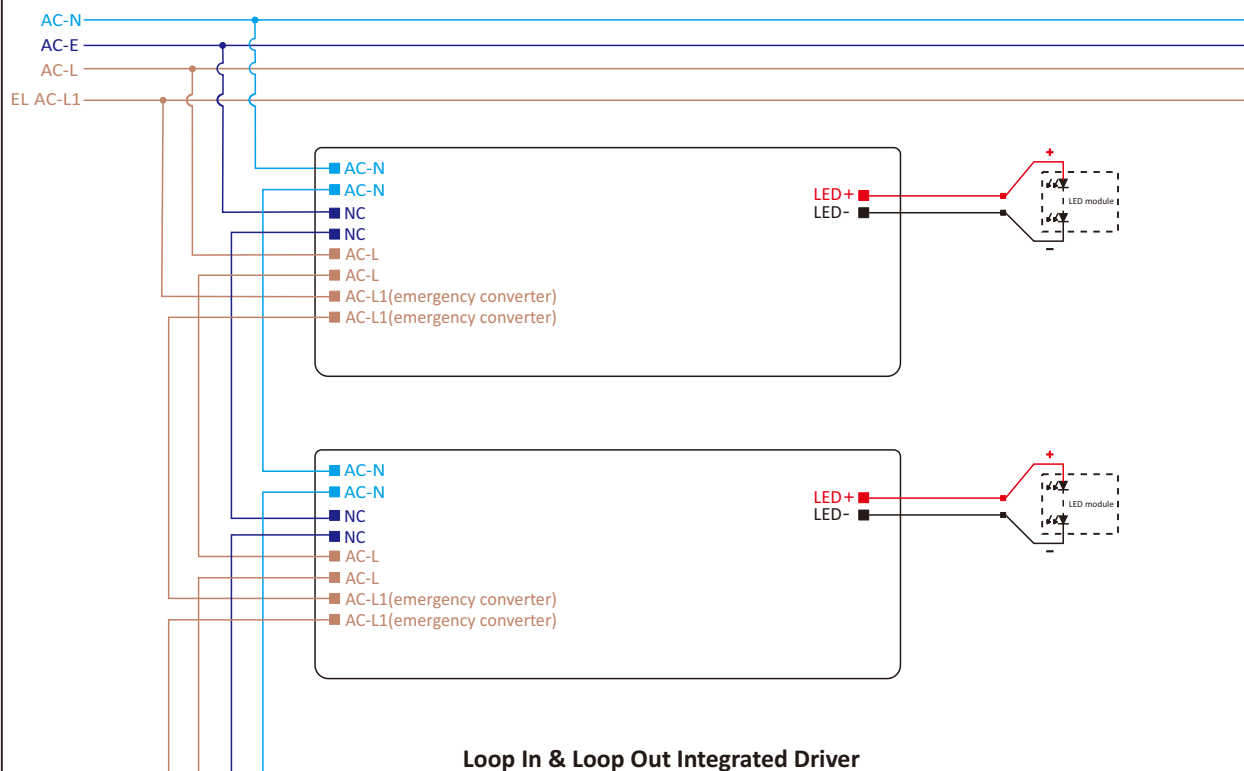
Current adjustment and corresponding parameters

AGT-PM-c50-1100

Switching selection sheet						
No.1 to No.4 channel Switch output current						
Pout Max	Irated	Urated	1	2	3	4
23.5W	550MA	20-42V	—	—	—	—
25.5W	600MA	20-42V	ON	—	—	—
27.5W	650MA	20-42V	—	ON	—	—
29.5W	700MA	20-42V	ON	ON	—	—
31.5W	750MA	20-42V	—	—	ON	—
34.0W	800MA	20-42V	ON	—	ON	—
36.0W	850MA	20-42V	—	ON	ON	—
38.0W	900MA	20-42V	ON	ON	ON	—
40.0W	950MA	20-42V	—	—	—	ON
42.0W	1000MA	20-42V	ON	—	—	ON
44.5W	1050MA	20-42V	—	ON	—	ON
46.5W	1100MA	20-42V	ON	ON	—	ON

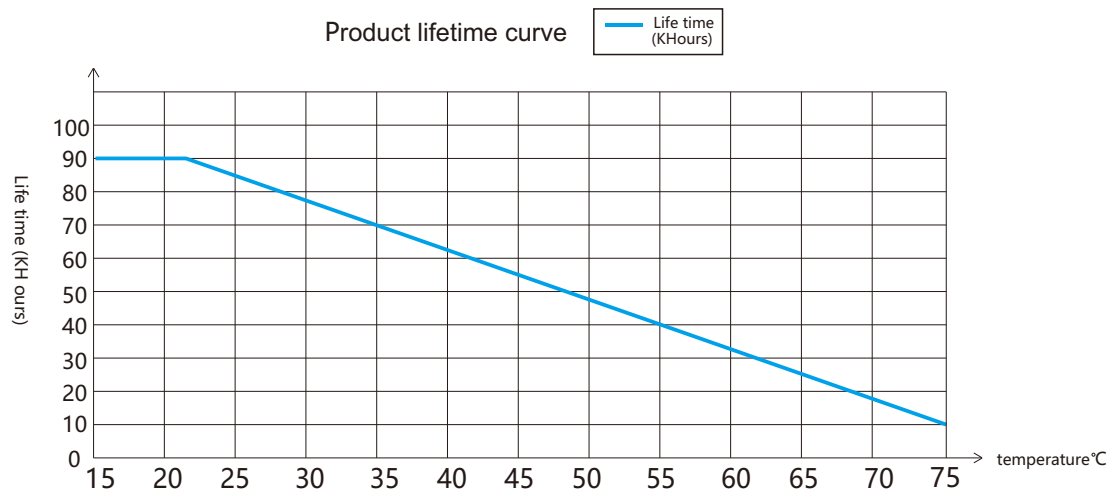
Note : ▲ means initial current ■ means current adjustment cut off

Wiring diagram



Product life reference diagram

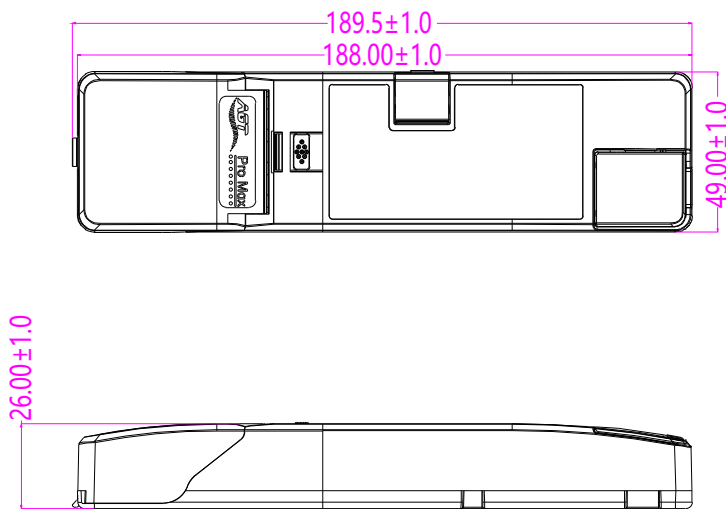
The power supply is used under the rated condition of the power supply at the ambient temperature (t_a) of 45 °C @230Vac, with a service life of 50000 hours and a 5 year warranty.



installation diagram

Mechanical Dimensions

Company:mm



AC IN

function	definition	colour
AC-N	AC neutral line	orange
AC-E	/	orange
AC-L	AC Fireline	orange
AC-L1	EL emergency input	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.

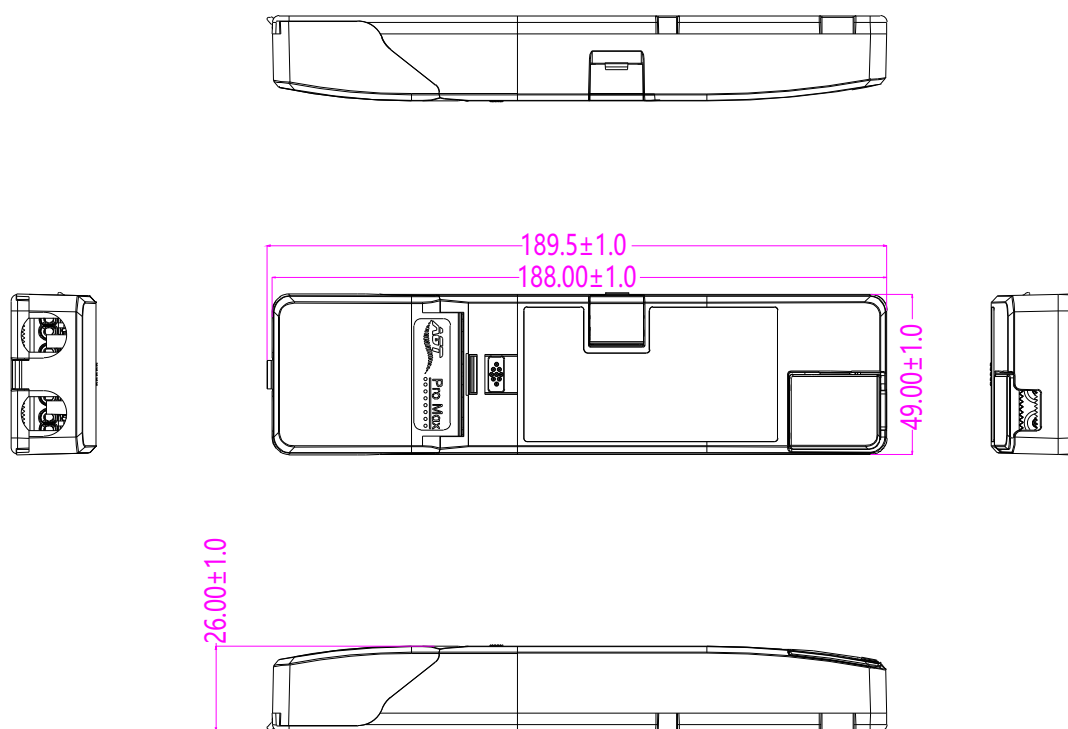
Wiring guidance

- 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

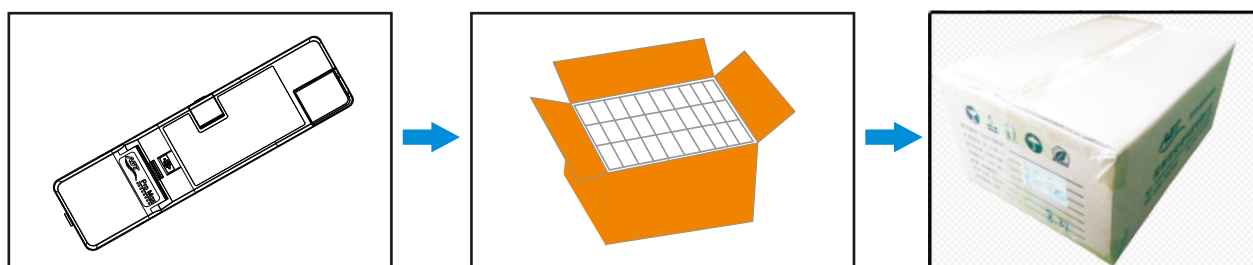
- The drive should be installed in a dry, acid free, oil free, and grease free environment.
- The installation environment temperature of the driver should not exceed the value of T_a at any time.
- The surface temperature of the driver installation should be below 45 ° C.
- The driver should be kept 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: L189.5*W49*H26 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-PM-c50-XXXX	189.5*49*26mm	150.5g	/	377x262mm	392x275x278mm	100Pcs	15.1g	15.3kg