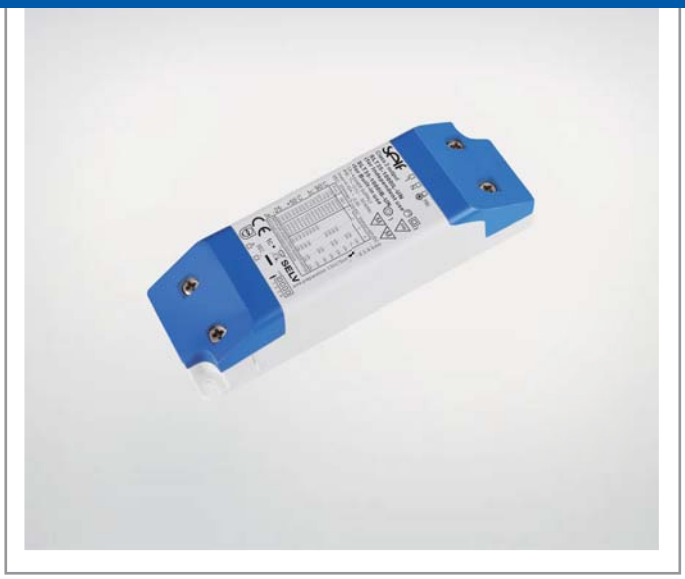
# Constant Current LED Power Supply

SLT35-1000IB-UN(for build-in use)
SLT35-1000IL-UN(for independent use)



## Product description:

It is designed for built in application with compact size. The out put current can change from 250mA to 1000mA by dipswitch. The current step is 50mA. It meets SELV standard of preventing electric shock. Open circuit, short circuit, over load and over temperature Protection enhance the safety in processing.
It has optional fitting to transform as independent use.

( or optional ) SELV

## Standards:

EN61347-1
EN61347-2-13
EN61547
EN55015
EN61000-3-2
EN61000-3-3
EN62384
EN62493
UL 1310
UL 8750

## Characteristics:

- Built in use design(optional for independent use)
- SELV output(<60V)
- Open circuit,short circuit,over load and over temperature protection.
- Auto restart after fault conditions removal
- Free flicker design
- Life time: 50,000h(ta=50℃)
- Warranty:5years



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## Specifications:

| Model | | SLT35-1000IB-UN(for build-in use) SLT35-1000IL-UN(for independent use) |
|---|---|---|
| Output | turn on time(S)[1] | <0.5s |
| | output current(mA)[1] | 250/300/350/400/450/500/550/600/650/700/750/800/850/900/950/1000 |
| | output current tolerance[2] | +/-5% |
| | ripple current(%) [3] | ≤3% |
| | working voltage range(V) | 2-50 |
| | output power range(W) | 60 |
| | Max. output voltage(V) | SELV |
| | output safety rating | |
| | dimming interface | No |
| | dimming range | n/a |
| Input | rated supply voltage(Vac) | 110-277 |
| | voltage range(Vac) | 100-305 |
| | line frequency(Hz) | 50/60 |
| | input current(mA) | 0.42A @110Vin/0.20A @230Vin |
| | input power(W)[1] | 41W Max |
| | efficiency[1] | ≥87%@full load |
| | power factor[1] | ≥0.95(Rrefere to Electrical curves) |
| | THD[1] | <15%@120V <10%@230V@full load any current presetting |
| | inrush current(Ipk)[1] | 20A |
| Protection | short circuit protection | YES |
| | over temperature protection | YES |
| | automatic restart | YES |
| | over load protection | YES |
| | surge capacity | L-N: 2kV; L,N-PE: 4kV |
| Ambient and Life | Ta(℃) | -25...+50 |
| | Tc max. (℃) | 90 |
| | nominal life-time(hrs) | 50'000@Ta=45℃ |
| | guarantee(years) | 5 |
| | MTBF(hrs) | 100'0000@25℃ |
| | Storage Temperature(℃) | -30...80 |
| | ambient humidity range | 5%...85%RH，Not condensing |
| | audible noise(dB) | 30dBA tested@10cm |
| Other | weight(g) | 160 |
| | dimensions (LxWxH)(mm) | 95.6x39x30/135.5x39x30 |
| | casing material | Plastic |
| | housing colour | Grey+blue end cap |
| | connecting method | insert type terminal |
| | type of protection | IP20 |
| | protection class | ClassII for EU,class 2 for UL |
| Note | 1. At 230Vac,50Hz,full load.<br>2. Tolerance:includes set up tolerance,line regulation and load regulation.<br>3. At 230Vac,50Hz,LED load,blew 200Hz | |



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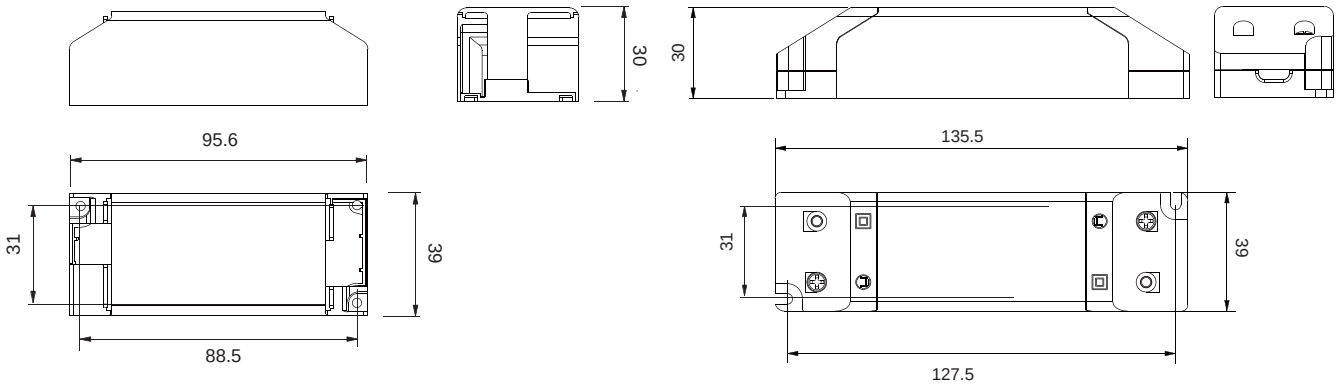
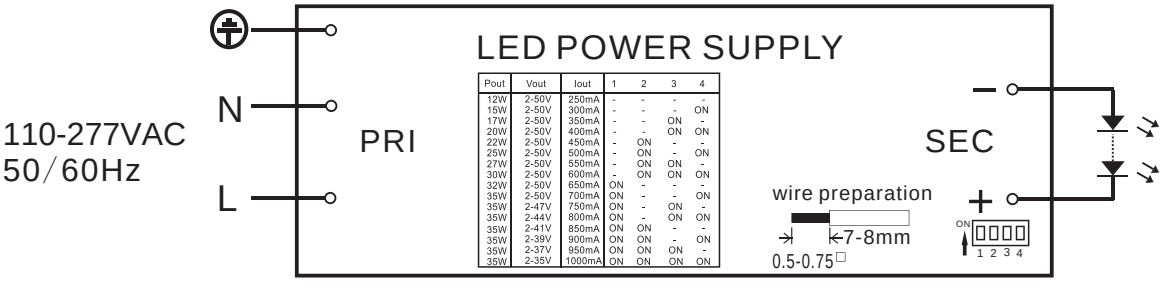
## Dimensions(mm):




## Wiring diagram:

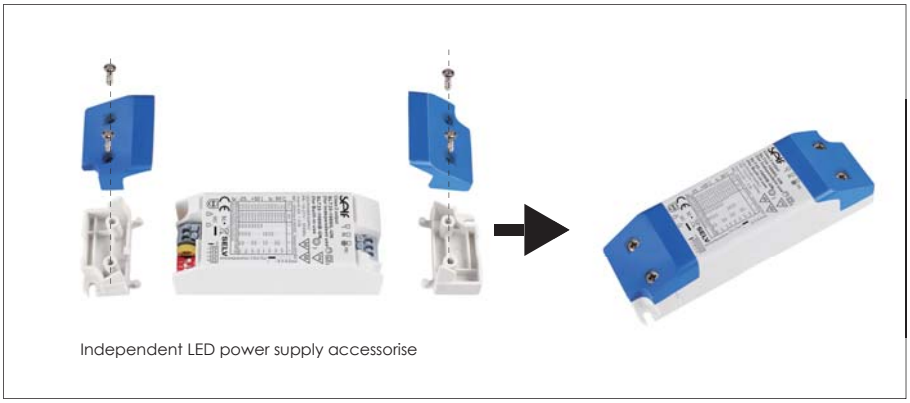



| Pout | Vout | Iout | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|---|
| 12W | 2-50V | 250mA | - | - | - | - |
| 15W | 2-50V | 300mA | - | - | - | ON |
| 17W | 2-50V | 350mA | - | - | ON | - |
| 20W | 2-50V | 400mA | - | - | ON | ON |
| 22W | 2-50V | 450mA | - | ON | - | - |
| 25W | 2-50V | 500mA | - | ON | - | ON |
| 27W | 2-50V | 550mA | - | ON | ON | - |
| 30W | 2-50V | 600mA | - | ON | ON | ON |
| 32W | 2-50V | 650mA | ON | - | - | - |
| 35W | 2-50V | 700mA | ON | - | - | ON |
| 35W | 2-47V | 750mA | ON | - | ON | - |
| 35W | 2-44V | 800mA | ON | - | ON | ON |
| 35W | 2-41V | 850mA | ON | ON | - | - |
| 35W | 2-39V | 900mA | ON | ON | - | ON |
| 35W | 2-37V | 950mA | ON | ON | ON | - |
| 35W | 2-35V | 1000mA | ON | ON | ON | ON |

## Application:

Built-in application

Independent application



Independent LED power supply accessorise



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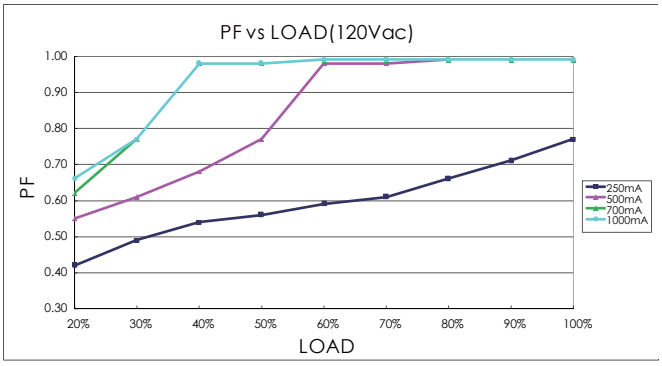
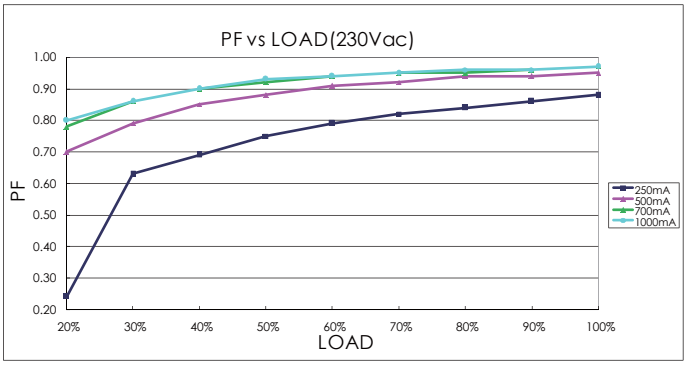
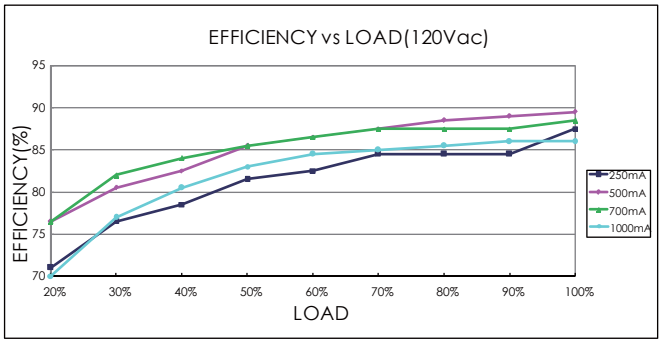
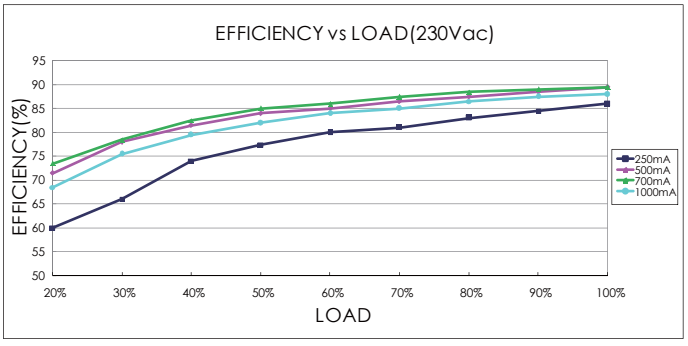
## Electrical curves:




note
For constant current power supply,"LOAD" means the percentage of the maximum rated output voltage.
For constant voltage power supply,"LOAD" means the percentage of the maximum rated output current.



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