Features
- For LED Indoor Office & Retail Application
- 0-10V / PWM Dimmable
- High Reliability & Long Life 50,000hrs
- Compact Size/ Optimized Performance
- Constant Current Design/ Low Inrush Current/ Low Ripple Current
- Wide Input Range for Worldwide Use (up to 305Vac)
- Low Energy Consumption at Standby
- Type HL LED Driver for use in Class I Division 2 hazardous location luminaires (only G type)
- IP65 Design (only G type)
- Suitable to Dry, Damp Location
- Protections: Short Circuit/ Open Circuit/ Over Voltage/ Over Temperature
- Class 2 Power Unit
- 100% Burn-in Test
- Safety: Meet IEC61347-2-13, UL8750 & EMI EN55015

Notes:
1. Data that didn’t mention is tested under 230Vac/ 50Hz full load condition.
2. Data at full load and rated voltage, 230Vac/50Hz input, and 35℃ ambient temperature unless otherwise specified.
3. The ripple current must be measured under the condition of AC coupling & 20MHz bandwidth. (Rated input and rated output)
## Efficiency vs. Loading

- **PFC vs Loading**
  - 277Vac
  - 230Vac
  - 120Vac

### THD vs Input Voltage
- 120V
- 140V
- 170V
- 200V
- 230V
- 260V
- 277V

### THD vs Input Voltage
- THD
  - 0%
  - 5%
  - 10%
  - 15%
  - 20%
  - 25%

### Life Time vs. Tc
- FSP50-ZZAP(XXX)M IP20
- FSP50-ZZAP(XXX)MG IP65
- 0K
- 20K
- 40K
- 60K
- 80K
- 100K
- 120K

### Unit: mm