ALL LIGHT

# DALI & Push Dimmable driver - constant voltage 80W

Whole Family
KV-XXXXX-DP 12V 24V DC
25W 50W 75W 80W 100W 120W
150W 200W 300W 320W 360W

IP66
SELV

## ■ Features:

- ·Output constant Voltage
- ·Range: 200-240VAC
- ·Built-in active PFC function
- ·Efficiency up to 87%
- ·Protections: short circuit/over load/ over temperature
- ·Cooling by free air convection
- ·IP66 design for indoor and outdoor installation.
- ·Dimming function: Built in DALI interface dimming function conform to DALI Protocol IEC62386
- ·Push dimming function
- ·Dimming range: 0-100%, LED start at 0.1% possible
- ·Suitable for intelligent LED lighting

## ■ Specification

| Model | | KV-12080-DP | KV-24080-DP |
|---|---|---|---|
| Output | DC Voltage | 12V | 24V |
| | Voltage Tolerance | ±0.5V | |
| | Voltage Regulation | ± 0.5% | |
| | Rated current | 6.67A | 3.34A |
| | Rated power | 80W | |
| | Load Regulation | ±2% | |
| Input | Voltage Range | 200-240VAC | |
| | Frequency Range | 47 - 63Hz | |
| | Power Factor（Typ.）@ full load | PF≥0.96/230VAC （Full loading） | |
| | THD（Typ.）@ full load | <20% | |
| | Efficiency（Typ.）@ full load | 87% | 86% |
| | AC Current（Max.） | 0.6A | 0.6A |
| | Inrush Current （Typ.） | 59A (Twidth 210μs measured at 50% I peak, COLD START, 230VAC) | |
| | Leakage current | <0.5mA | |
| Protection | Short Circuit | constant current mode, recover automatically after fault condition is removed | |
| | Over Load | ≤120% constant current limiting, recover automatically after fault condition is removed | |
| | Over temperature | 100℃±10℃ | |
| | Protection Class | Ⅰ | |
| Environment | Working TEMP. | -40～+60℃ (see below derating curve) | |
| | Working Humidity | 20 - 95%RH,non-condensing | |
| | Storage TEM.,Humidity | -40 - +80℃，10 - 95%RH | |
| | TEMP.coefficient | ±0.03%/℃（0 - 50℃） | |
| | Vibration | 10～500Hz, 5G 10min./1 cycle,period for 60min. each along X,Y,Z axes | |
| Safety & EMC | Safety standards | EN61347-1 EN61347-2-13 EN62493 IP66 | |
| | Withstand voltage | I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC | |
| | Isolation resistance | I/P-O/P I/P-FG O/P-FG：100MΩ/500VDC/25℃/70%RH | |
| | EMC Emission | EN55015 EN61000-3-2 EN61000-3-3 | |
| | EMC Immunity | EN61000-4-2,3,4,5,6,11 EN61547 | |



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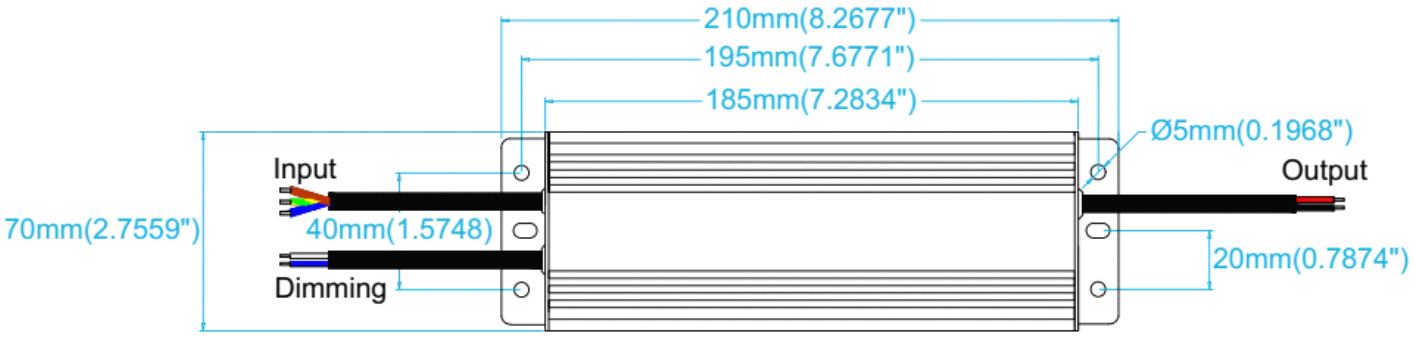
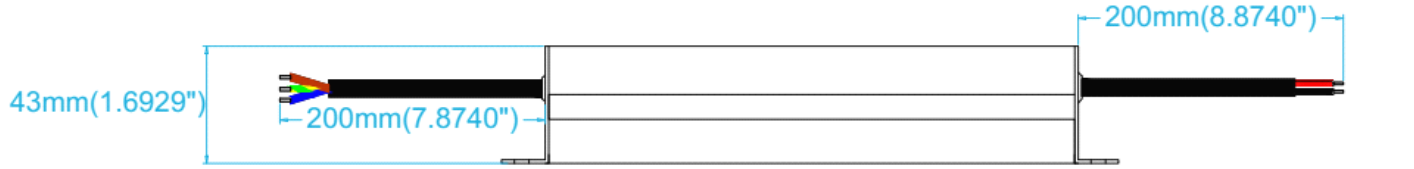
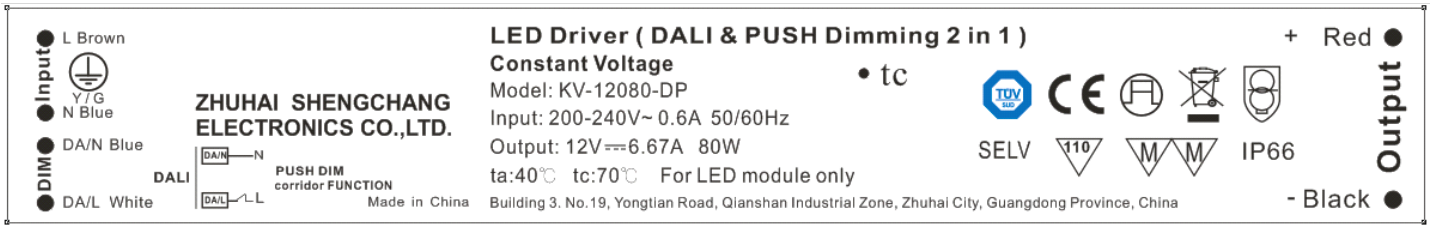
| | | |
|---|---|---|
| **Others** | Net Weight | 1.05Kg |
| | Dimension | 210*70*43mm（L*W*H） |
| | packing | 340*275*170mm/10pcs /CTN G.W.:11.5KG/CTN |
| **Notes** | 1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25℃of ambient temperature.<br>2. Tolerance: includes set up tolerance, line regulation and load regulation .<br>3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again. | |

## ■ Mechanical Specification




**Input & Output wiring**

※Input Rubber cable 3*1.0mm², the green/yellow cable connect with (FG) ,Brown with AC (L),Blue with AC(N)

※Output rubber cable 2*1.0mm², Red is output ( V+) Positive, Black is output (V-) negative. Connected to LED Lamps

**Dimming wiring**

※Dimming Rubber cable 2*0.75mm², Blue DA/N and White DA/L (No polar) connected to the DALI BUS when use DALI function .

Blue (N) is connected to AC (N) while white (L) is connected to Push dim switch dimmer( L) when use Push function.

※Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.

※Note: Any other requests we can customize.



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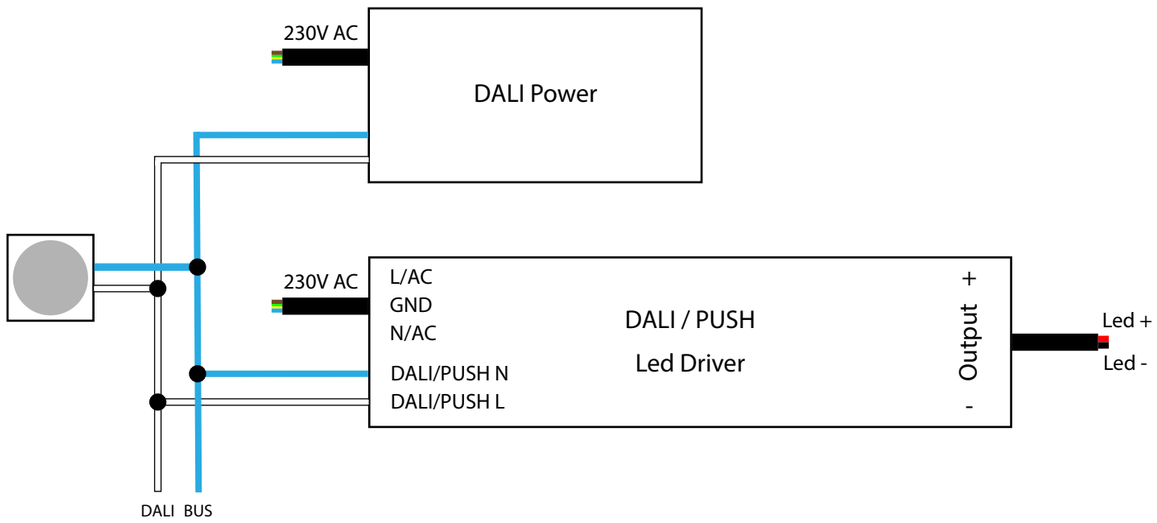
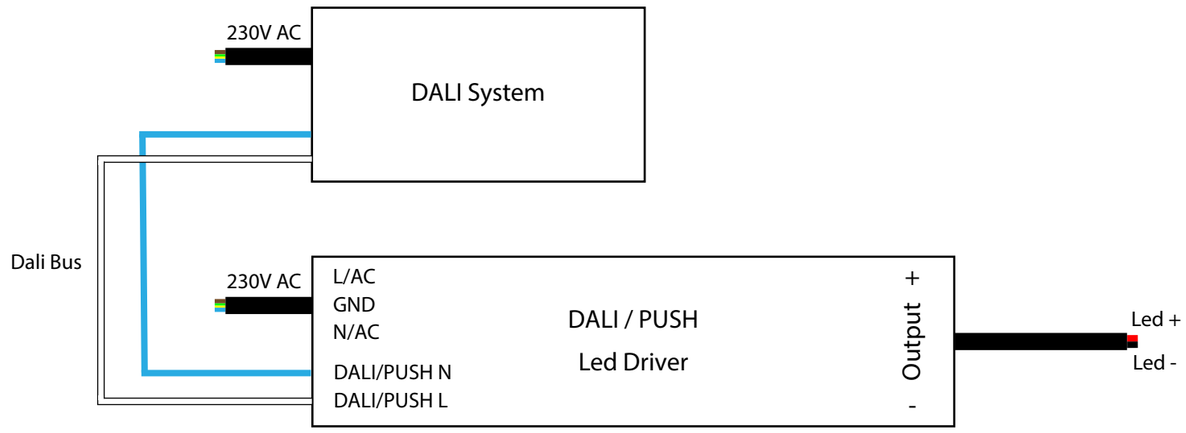
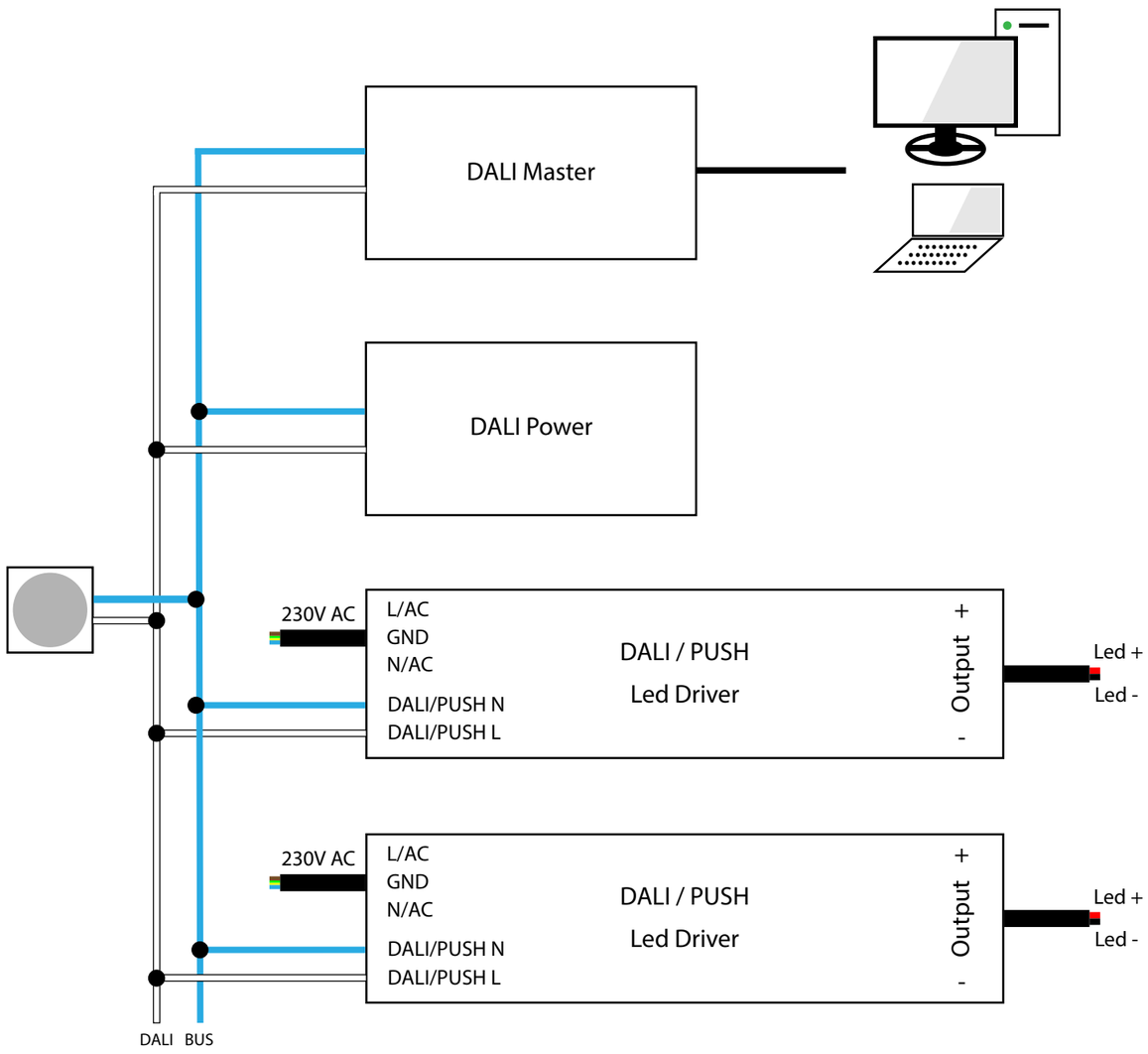
## DALI Dæmp



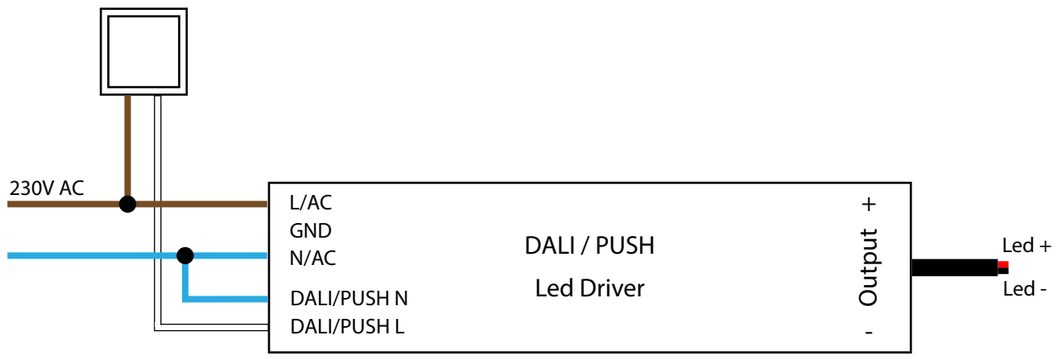

## DALI System



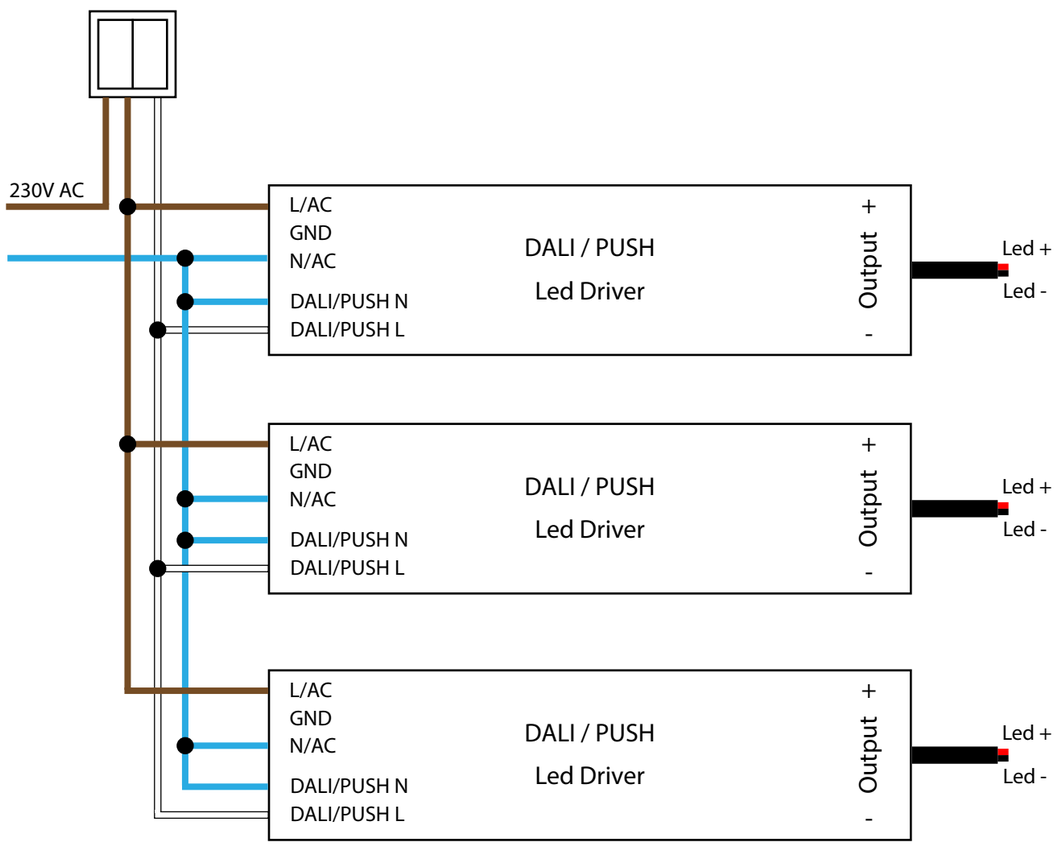

## PC + DALI Master + Dæmper



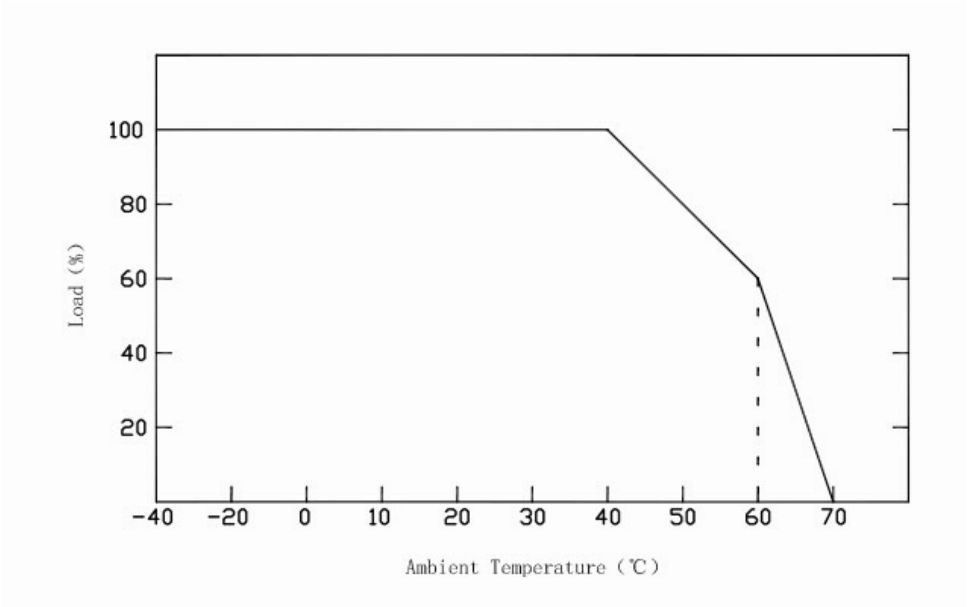

## Push Dæmp




## Push Dæmp On/Off



## ■ Derating Curve




※To extend their life, please refer to the Derating Curve and derate according to the temperature.

## ■ Instruction:

1) This driver should be installed by qualified and professional person;
2) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3) Ensure that wiring is correct before test in order to avoid light and power supply damage;
4) If driver Cannot work normally, don't maintain privately; Have any question, please contact ALL-Light A/S



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