DIMMABLE LED DRIVER

PQ-KV

- **Constant Voltage.**
- 100-277VAC
- Built-in active PFC function.
- Short circuit/ over load/ over temperature.
- Cooling by free air convection.
- · For dry, damp & wet location.
- 0-10V dimming: 0-10V/1-10V/ Potentiometer/10V PWM 4 in 1 0-100%
- Suitable for LED lighting and moving sign applications.
- 5 years warranty.



| DIMMABLE LED DRIVER | | | |
|---------------------|----------------------|-------------|-----------|
| MODEL | Output Voltage (VDC) | | Power (W) |
| PQ-KV | 12VDC = 120 | 24VDC = 240 | 30 |
| | | | 60 |
| | N/A | | 96 |

Catalog Number for Example: PQ-KV-24030-DIMJ

CERTIFICATIONS



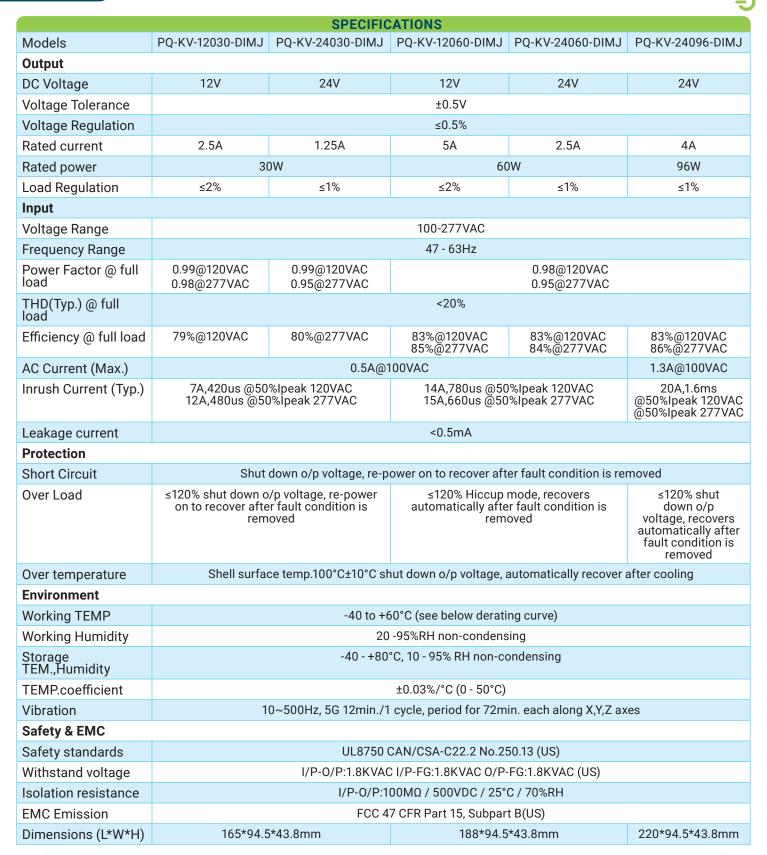
FC Class 2 Class P TYPE HL SELV CE ROHS Reach



POWERQ

LED DRIVER

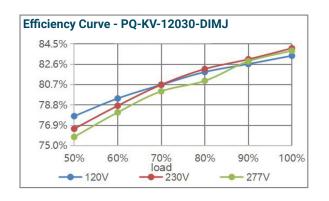
PQ-KV

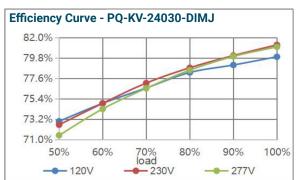


PQ-KV

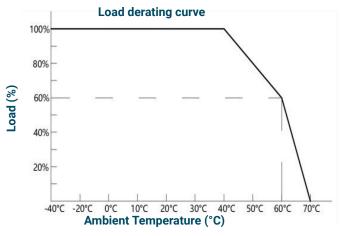
MODEL: 30W

Efficiency Curve (efficiency vs output load)



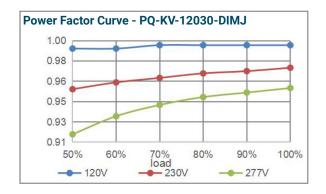


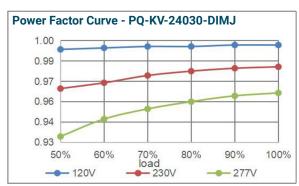
Derating Curve (output load vs TEMP.)



- 1. To extend their life, please refer to the Derating Curve and derate according to the temperature.
- 2. Please note that the rise in temperature of LED fixtures over a long period of time will cause their power to rise. Therefore, we recommend the power supply to reserve a certain amount of load to avoid overloading.

Power Factor Curve

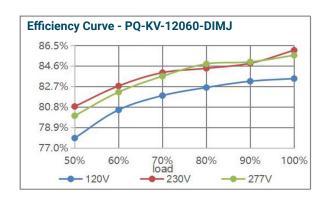


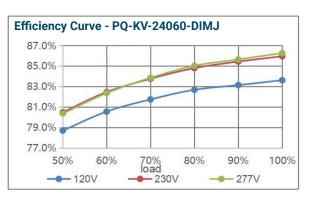


PQ-KV

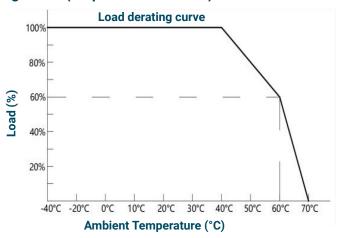
MODEL: 60W

Efficiency Curve (efficiency vs output load)



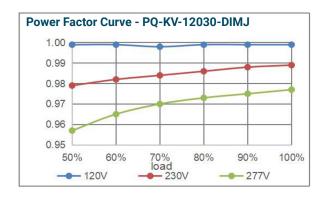


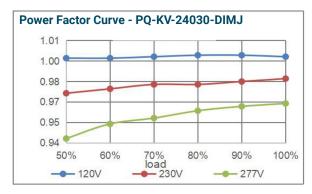
Derating Curve (output load vs TEMP.)



- 1. To extend their life, please refer to the Derating Curve and derate according to the temperature.
- 2. Please note that the rise in temperature of LED fixtures over a long period of time will cause their power to rise. Therefore, we recommend the power supply to reserve a certain amount of load to avoid overloading.

Power Factor Curve

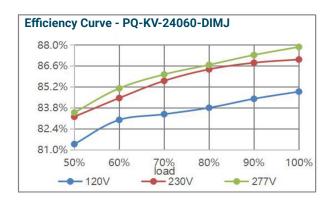




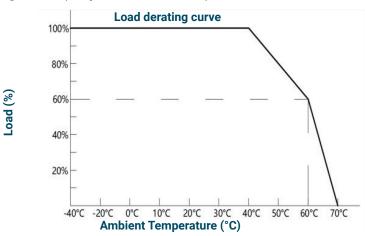
PQ-KV

MODEL: 96W

Efficiency Curve (efficiency vs output load)

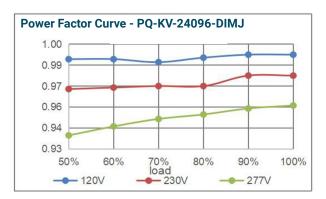


Derating Curve (output load vs TEMP.)



- 1. To extend their life, please refer to the Derating Curve and derate according to the temperature.
- 2. Please note that the rise in temperature of LED fixtures over a long period of time will cause their power to rise. Therefore, we recommend the power supply to reserve a certain amount of load to avoid overloading.

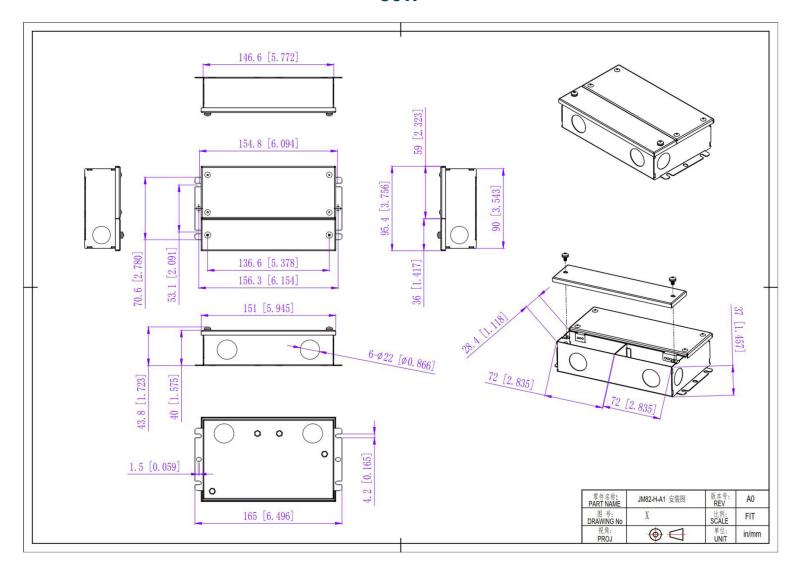
Power Factor Curve



PQ-KV

MECHANICAL SPECIFICATIONS

30W



12V & 24V Version

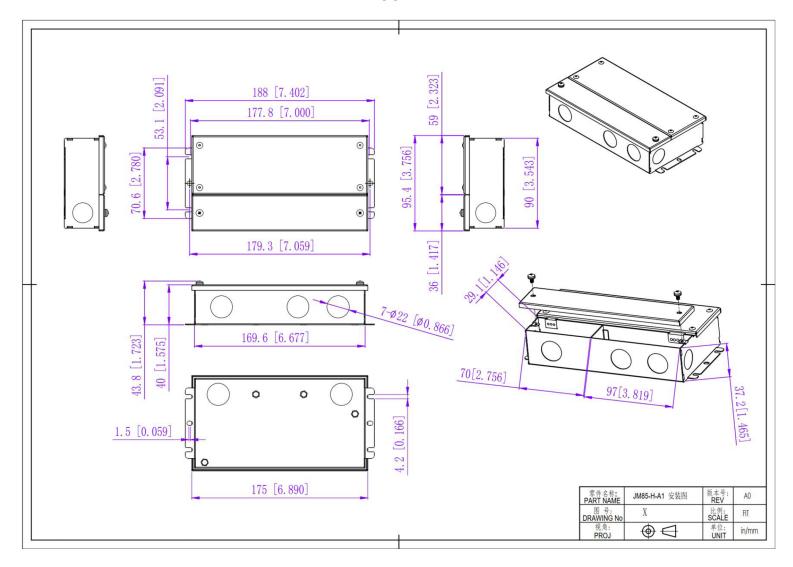
- 1. Input wire, Black and White to be connected to AC L and N, Green wire go ground.
- 2. Output wire, Red to LED Positive side (+), Black to LED Negative side (-).
- 3. Dimming wire, DIM (+) Purple to 0/1-10V dimmer signal(+), DIM (-) Gray to 0/1-10V dimmer signal (-).
- 4. Please DO NOT connect "DIM-" to "LED-", "DIM+" to "LED+", or other incorrect connection.
- 5. Please make sure your connect these correctly otherwise your product will not function correctly and could be damaged.

Warm tips: Any other requests for, we can customized.

PO-KV

MECHANICAL SPECIFICATIONS

60W



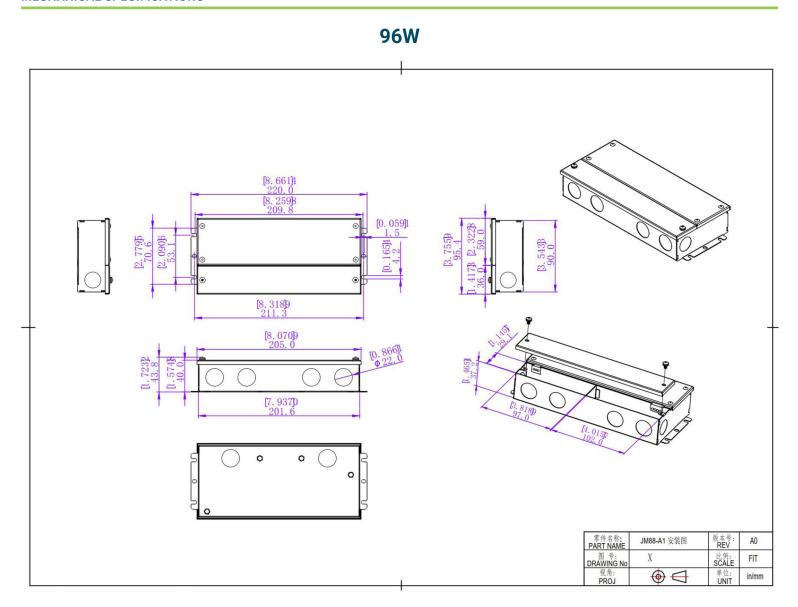
12V & 24V Version

- 1. Input wire, Black and White to be connected to AC L and N, Green wire go ground.
- 2. Output wire, Red to LED Positive side (+), Black to LED Negative side (-).
- 3. Dimming wire, DIM (+) Purple to 0/1-10V dimmer signal(+), DIM (-) Gray to 0/1-10V dimmer signal (-).
- 4. Please DO NOT connect "DIM-" to "LED-", "DIM+" to "LED+", or other incorrect connection.
- 5. Please make sure your connect these correctly otherwise your product will not function correctly and could be damaged.

Warm tips: Any other requests for, we can customized.

PQ-KV

MECHANICAL SPECIFICATIONS



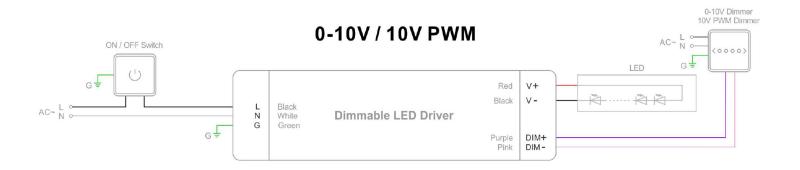
24V Version

- 1. Input wire, Black and White to be connected to AC L and N, Green wire go ground.
- 2. Output wire, Red to LED Positive side (+), Black to LED Negative side (-).
- 3. Dimming wire, DIM (+) Purple to 0/1-10V dimmer signal(+), DIM (-) Gray to 0/1-10V dimmer signal (-).
- 4. Please DO NOT connect "DIM-" to "LED-", "DIM+" to "LED+", or other incorrect connection.
- 5. Please make sure your connect these correctly otherwise your product will not function correctly and could be damaged.

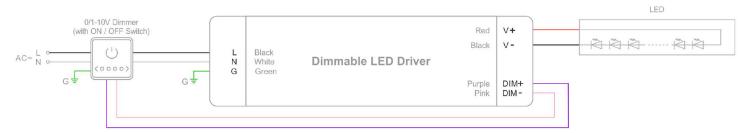
Warm tips: Any other requests for, we can customized.

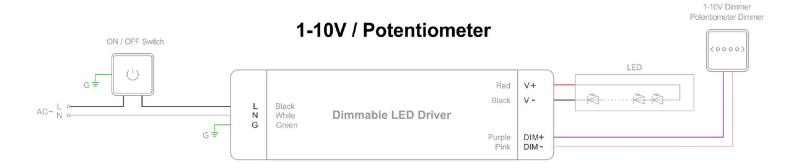
PQ-KV

CONNECTING DIAGRAM



0/1-10V





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.