

KID-DIM Series 40W

Whole Family: KID-XXX-DIM [10W 20W 40W 60W]



Class P SELV



RoHS



Driver with UL



Driver with SAA

Features

Output:	Constant Current
Range:	200-240VAC(EU) & 100-277VAC(US)
PFC design:	Built-in active PFC function
Efficiency:	Up to 82%
Protections:	Short circuit/ over temperature
Heat dissipation:	Cooling by free air convection
Waterproof performance:	Full protection plastic housing, for dry and damp locations
Dimming function:	<u>0-10V dimming</u> : 0-10V/1-10V/Potentiometer/10V PWM 4 in 1
Dimming range:	0-100%
Application:	Suitable for the application of indoor LED lighting
Warranty:	5 years warranty

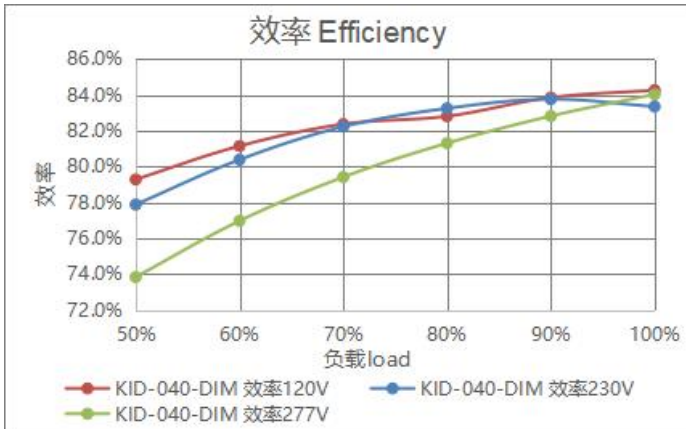
0-10V/1-10V/Potentiometer/10V PWM LED Constant Current driver with DIP Adjustment Multi-current KID-040-DIM series 40W

Specification

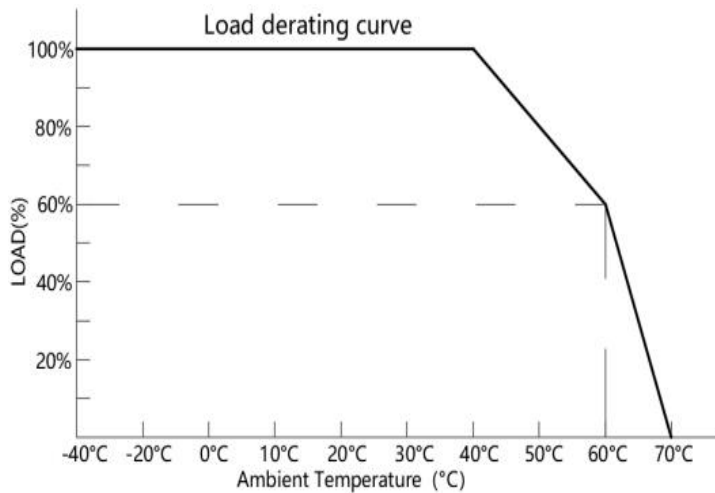
T ON **L** OFF

Model		KID-040-DIM																
Output	Rated current (A)	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	
	DIP Code	⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		
	DIP Code		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇		⬇⬇⬇⬇	
	Current Tolerance	±5%																
	No-Load Voltage	75V max.																
	DC Voltage (V)	3-65V								3-62	3-57	3-50	3-45	3-40	3-37	3-34	3-31	3-29
	Rated power (W)	19.5	22.8	26	29.3	32.5	35.8	39	40									
Input	Rated Voltage	200-240VAC(EU) & 100-277VAC(US)																
	Rated Frequency	47-63HZ																
	THD@full load	≤20%																
	Power Factor	0.99@120VAC 0.90@230VAC 0.85@277VAC																
	Efficiency (Typ.)	82%@120VAC 60Hz																
	AC Current (Max.)	0.29A (EU) & 0.52A(US)																
	Inrush Current (Typ.)	6.8A, 35us@50%Ipeak@120V 30.4A, 5us@50%Ipeak@230V 18.4A, 30us@50%Ipeak@277V																
Leakage current	<0.50mA																	
Protection	Short Circuit	Constant current mode, recovers automatically after fault condition is removed																
	Over temperature	Ambient temp. over 50℃±5℃, output current will be reduced to 50%; Ambient temp. over 60℃±5℃, output current will be reduced to 0%; Ambient temp. reduce to 45℃±5℃, recovers automatically .																
Environment	Working TEMP.	-40-+60℃																
	Working Humidity	20-90%RH, non-condensing																
	Storage TEMP. Humidity	-40-+80℃,10-95%RH																
	TEMP. coefficient	±0.03%/℃ (0-50℃)																
	Vibration	10-500Hz, 2G 10min./1 cycle,period for 60min.each along X,Y,Z axes																
Safety	Safety standards	EN61347-1 EN61347-2-13(EU) & UL8750 CAN/CSA-C22.2 No. 250.13 (US)																
	Withstand voltage	I/P-O/P:3.75KVAC (EU) & I/P-O/P:1.8KVAC(US)																
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25℃ / 70%RH																
	EMC Emission	EN55015 EN61000-3-2,3 (EU) & FCC Part 15 Subpart B, ANSI C63.4a-2017																
Others	Net Weight	0.2Kg																
	Dimension	171.5*54*20mm(L*W*H)																
	Packing	320*280*215mm 50PCS/CTN																
Notes	1. All parameters NOT specially mentioned are measured at rated load and 25℃of ambient temperature. 2. Tolerance: includes set us tolerance, line regulation and load regulation.																	

Efficiency Curve (efficiency vs output load)

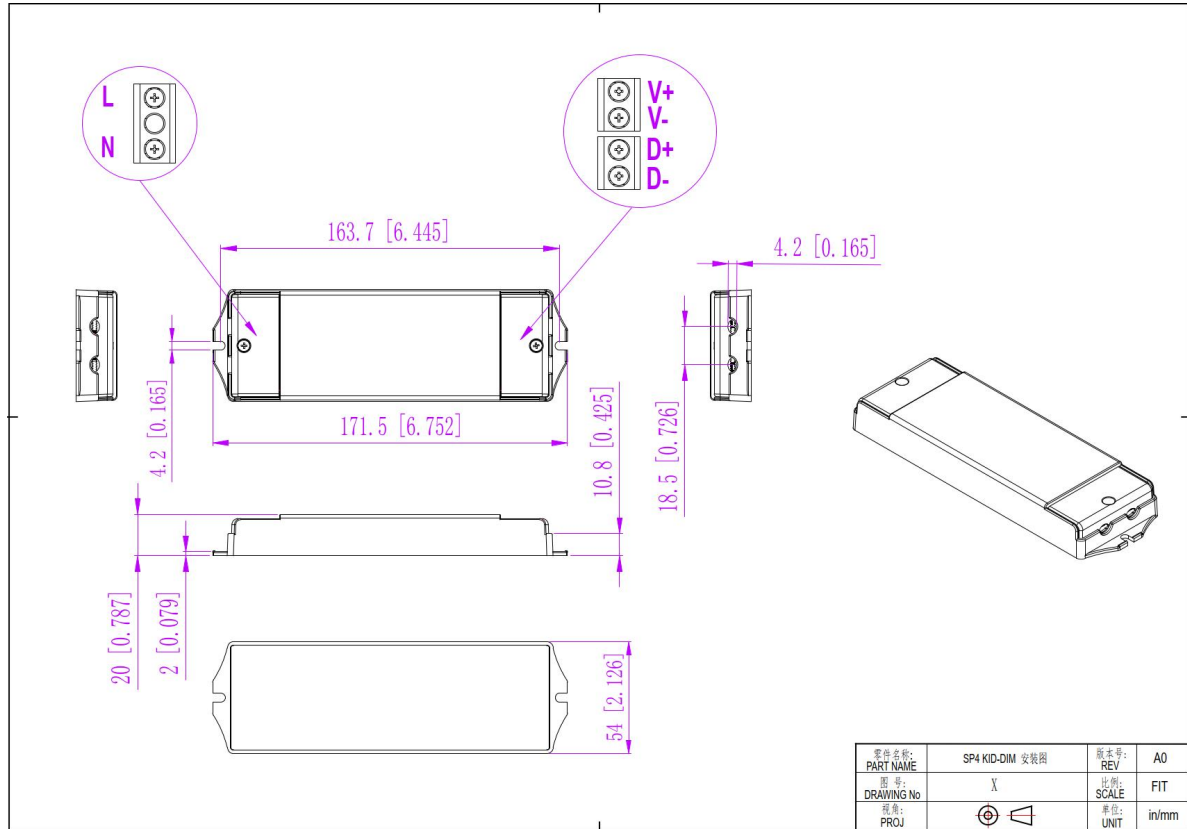


Derating Curve (output load vs TEMP.)



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.

Mechanical Specification



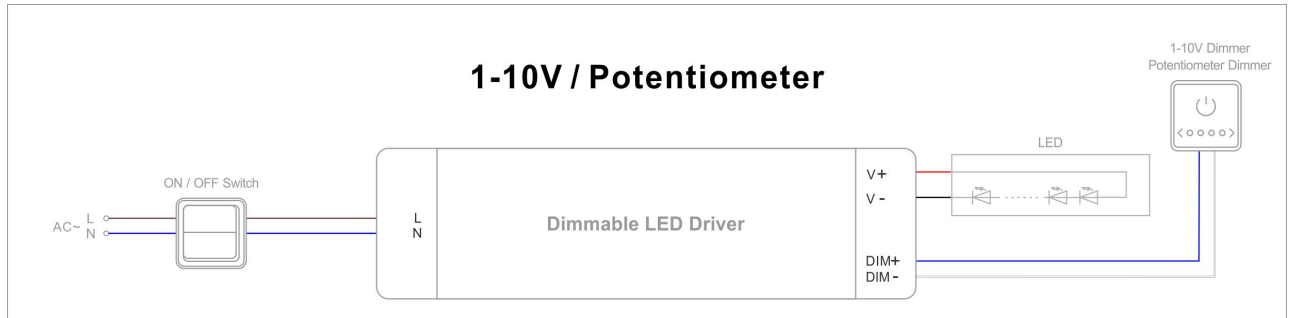
1. Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N) .
2. Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
3. Dimming terminals DG126 terminals 2P: DIM (+) connect to 0/1-10V dimmer signal(+) , DIM (-) connect to 0/1-10V dimmer signal (-).
4. Please make sure your connect these correctly otherwise your product will not function correctly and could be damaged.

Warm tips:

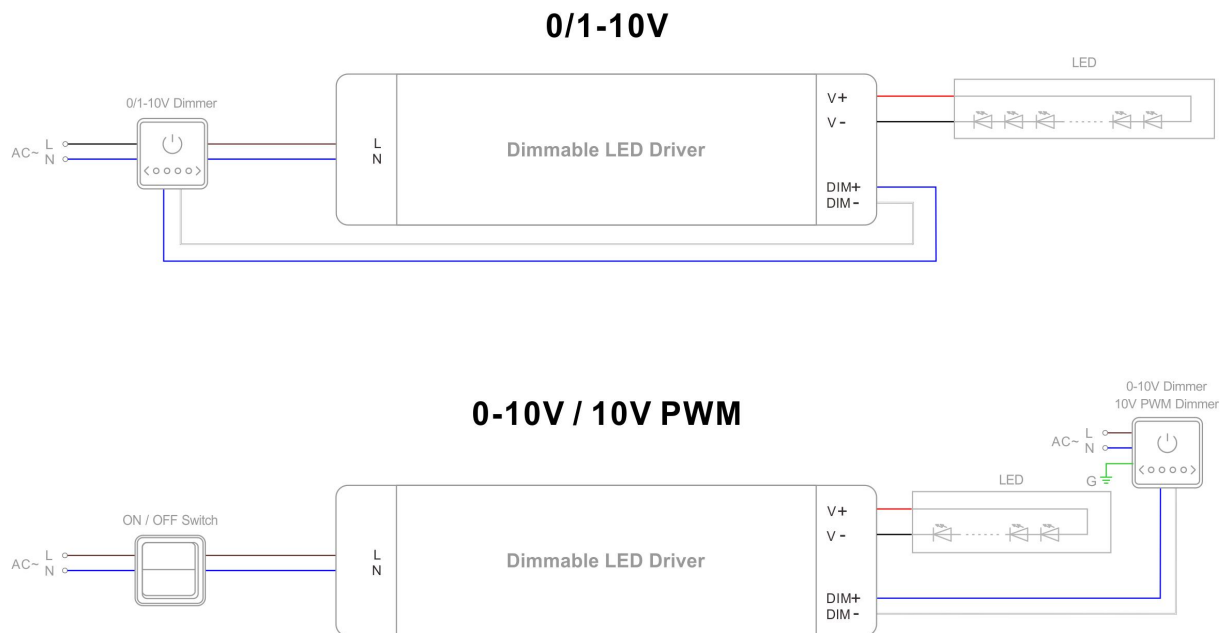
1. Suggested wire diameter: Input 0.75-2mm²; Output:0.5-2mm².

Dimming Operation and Connecting Diagram (For European Market)

- **Diagram 1:** 0-10 dimmer/control system or 1-10V dimmer /control system or 10V PWM or Potentiometer can be used;

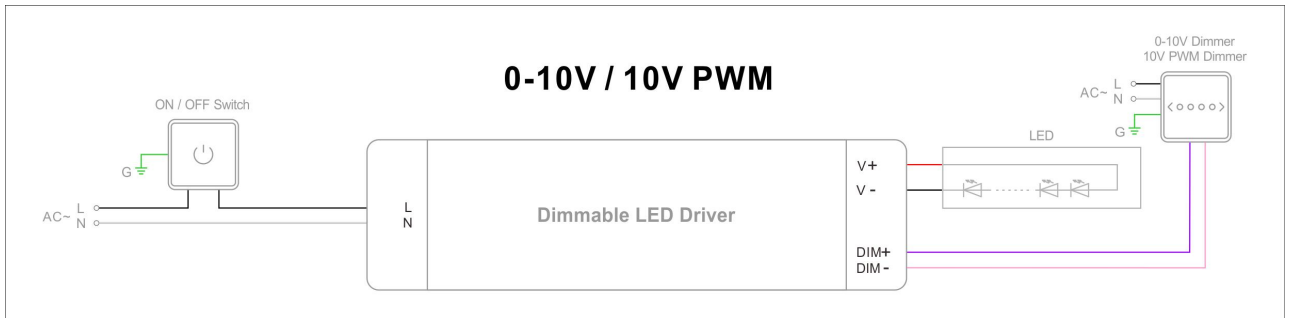


- **Diagram 2:** 0-10/ 1-10V dimmer/control system with ON/OFF function can be used;

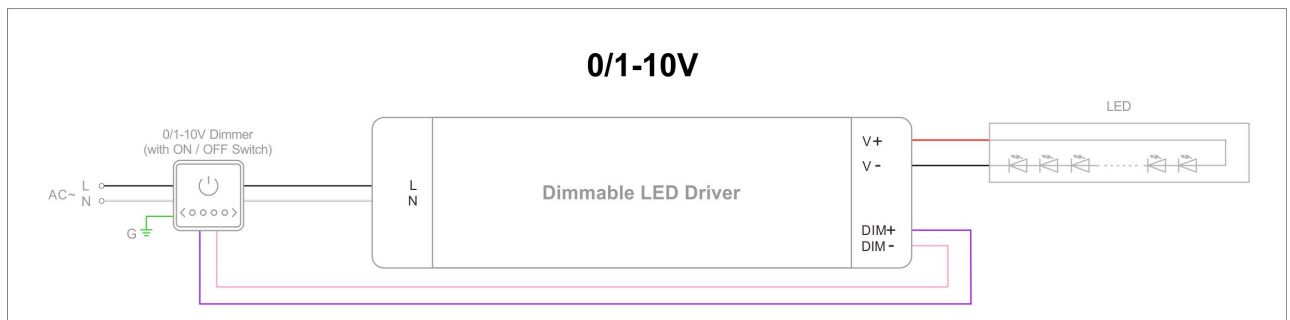
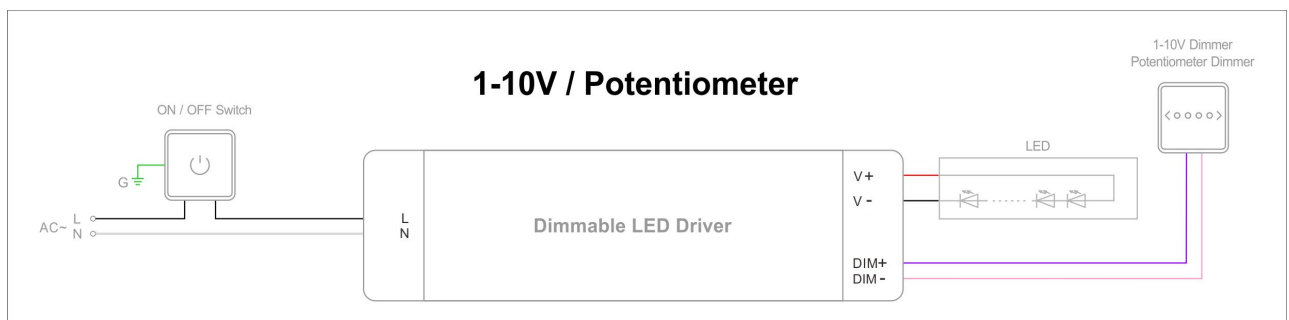


Dimming Operation and Connecting Diagram (For North American Market)

- **Diagram 1: 0-10 dimmer/control system or 1-10V dimmer /control system or 10V PWM or Potentiometer can be used;**



- **Diagram 2: 0-10/ 1-10V dimmer/control system with ON/OFF function can be used;**



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.