KI2-DMXW Series 20W

Whole Family: KI2-020700-DMXW [10W 15W 20W 30W 40W 50W]



Features

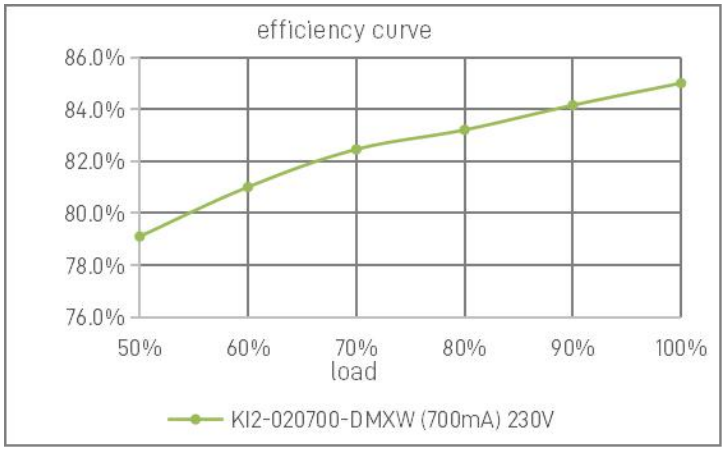
Output Type:	Constant Current
Input Range:	220-240VAC
PFC design:	With Power Factor Correct
Efficiency:	Up to 85%
Protections:	Short circuit / Over temperature
Heat dissipation:	Cooling by free air convection
Waterproof performance:	IP20
Design features:	1. Driver parameters can be adjusted by DIP switch. 2. Rated output 29V/700mA. 3. RDM setting address.
Dimming function:	DMX dimming
Dimming range:	1-100% dimming depth 1%
Application:	Suitable for the application of LED lighting
Warranty:	5 years warranty
Others:	Flicker-free dimming

DMX Dimmable LED Driver - Constant Current Output - KI2-DMXW Series 20W

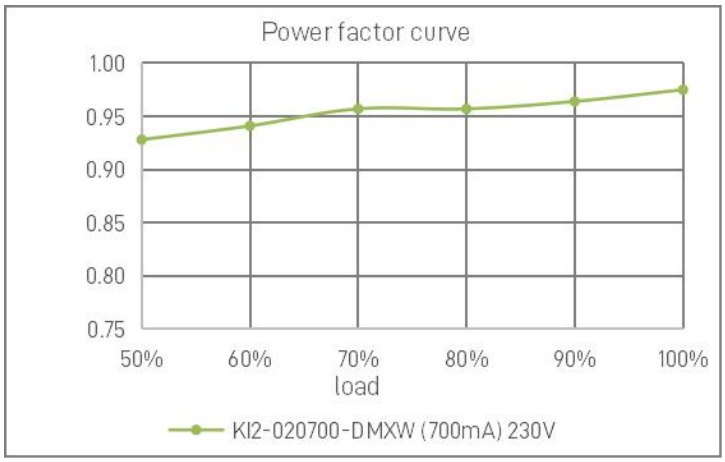
Specification

Model		KI2-020700-DMXW							
Certificate		CE / UKCA / SELV / RoHS / Reach							
Output	DIP switch 3Pin (T ON ⊥ OFF)	3 2 1 ⊥⊥⊥	3 2 1 ⊥⊥T	3 2 1 ⊥T⊥	3 2 1 ⊥TT	3 2 1 T⊥⊥	3 2 1 T⊥T	3 2 1 TT⊥	3 2 1 TTT
	Output current	250mA	350mA	400mA	450mA	500mA	550mA	600mA	700mA
	DC Voltage	3-42V	3-42V	3-42V	3-42V	3-40V	3-36V	3-33V	3-28V
	Current Tolerance	±5%							
	Overshoot Current	＜0.1%							
	No Load Voltage	52V (Max)							
	Rated current range	250-700mA(The output current can be adjusted within this range DIP switch)							
	Rated power	20W							
Input	Voltage Range	220-240VAC							
	Frequency Range	50 / 60Hz							
	Power Factor @ full load	>0.9							
	THD(Typ.) @ full load	＜20%@230VAC							
	Efficiency @ full load	≥85%@230VAC							
	AC Current (Max.)	0.15A							
	Inrush Current (Typ.)	10.1A, 10us @50%Ipeak 230VAC							
	Leakage current	<0.5mA							
Protection	Short Circuit	Constant current mode, can automatically recover after abnormal elimination.							
	Over temperature	Ambient temperature over 65℃±5℃, output reduce to 50%; Ambient temperature over 80℃±5℃, output off; When the temperature is reduced to 45℃±5℃ the output returns to 100%.							
Environment	Working TEMP. (Ta)	-40~+50℃ (see below derating curve)							
	Case Temperature (Tc)	85℃							
	Working Humidity	20 ~ 90%RH non-condensing							
	Storage TEM.,Humidity	-40 ~ +80℃,10 ~ 95% RH non-condensing							
	TEMP.coefficient	±0.03%/℃(0 ~ 50℃)							
	Vibration	10~500Hz, 2G 12 minutes/cycle, 72 minutes each in X, Y and Z axes							
Safety & EMC	Safety standards	EN61347-1; EN61347-2-13							
	Withstand voltage	I/P-O/P:3.75KVAC							
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25℃ / 70% RH							
	Surge Immunity Test	AC Power Line: Differential Mode 1KV							
	EMC Immunity	EN61547; EN61000-4-2,3,4,5,6,11							
	EMC Emission	EN55015; EN61000-3-2,3							
Others	Net Weight	0.12KG							
	Dimension	64.4*58.4*24.0mm (Φ*W*H)							
	Packing	355*287*170mm 100pcs/CTN							
Notes	1. All parameters NOT specially mentioned are measured at rated load, maximum output current and 25℃ of ambient temperature. 2. Tolerance: includes set up tolerance and load regulation.								

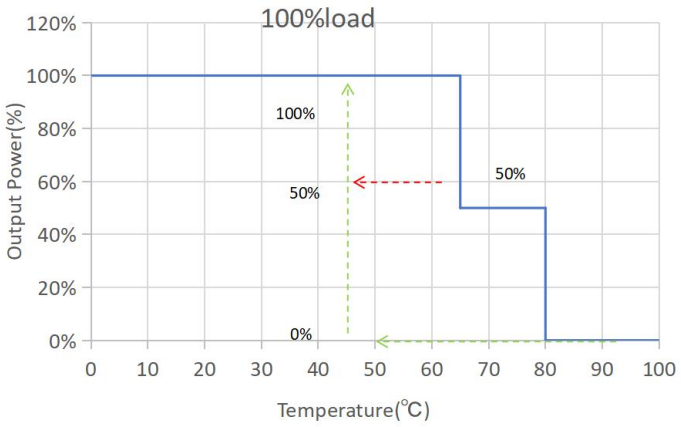
Efficiency Curve (efficiency vs output load)



Power Factor Curve (power factor vs output load)

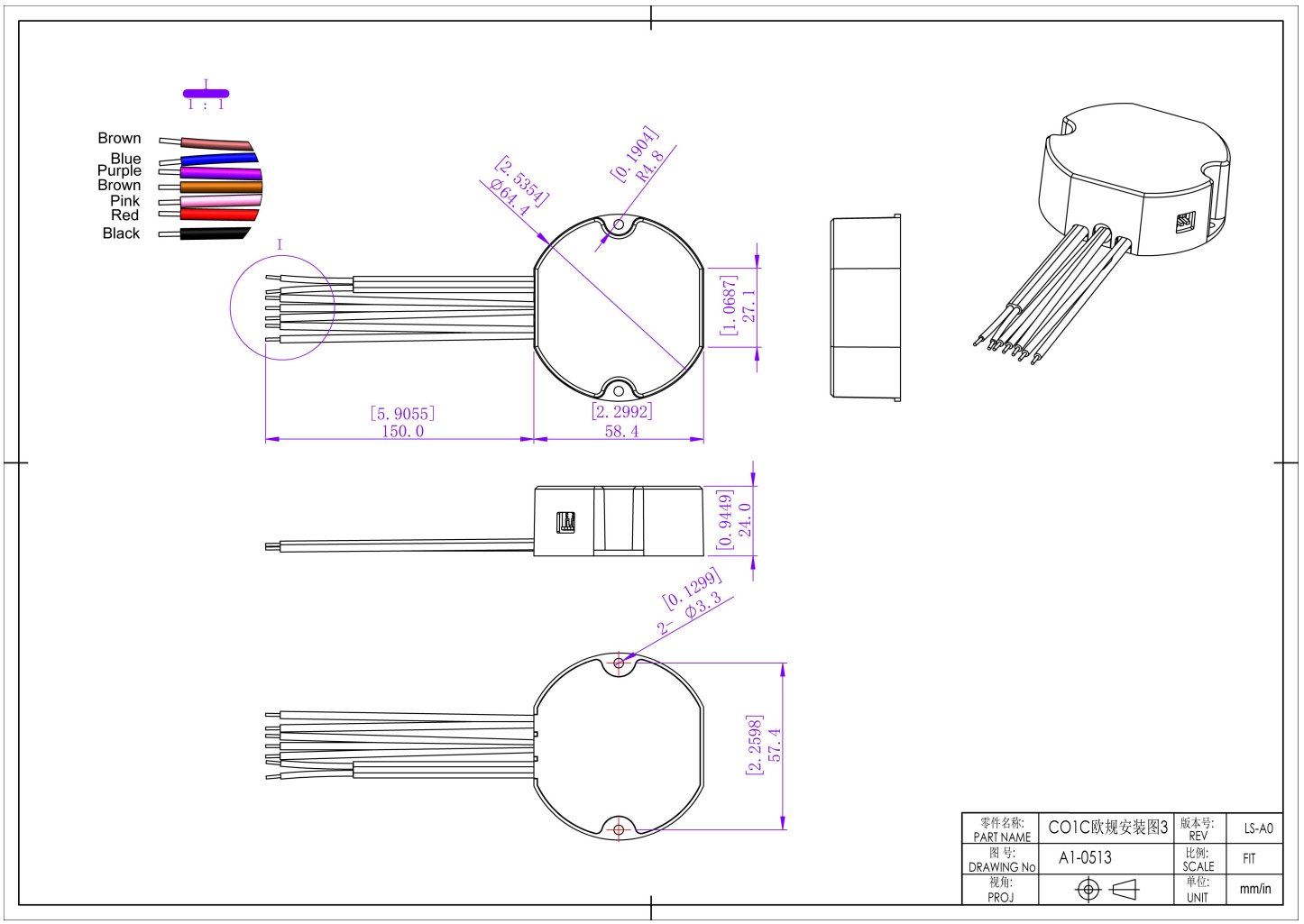


Derating Curve (Output power VS Ambient TEMP)



1. To extend their life, please refer to the Derating Curve and derate according to the temperature.
2. The output current of the LED driver should be selected according to the rated current of the lamp and the ambient temperature. Normally, we recommend the power supply to reserve a certain amount of load to extend LED driver's life.

Mechanical Specification

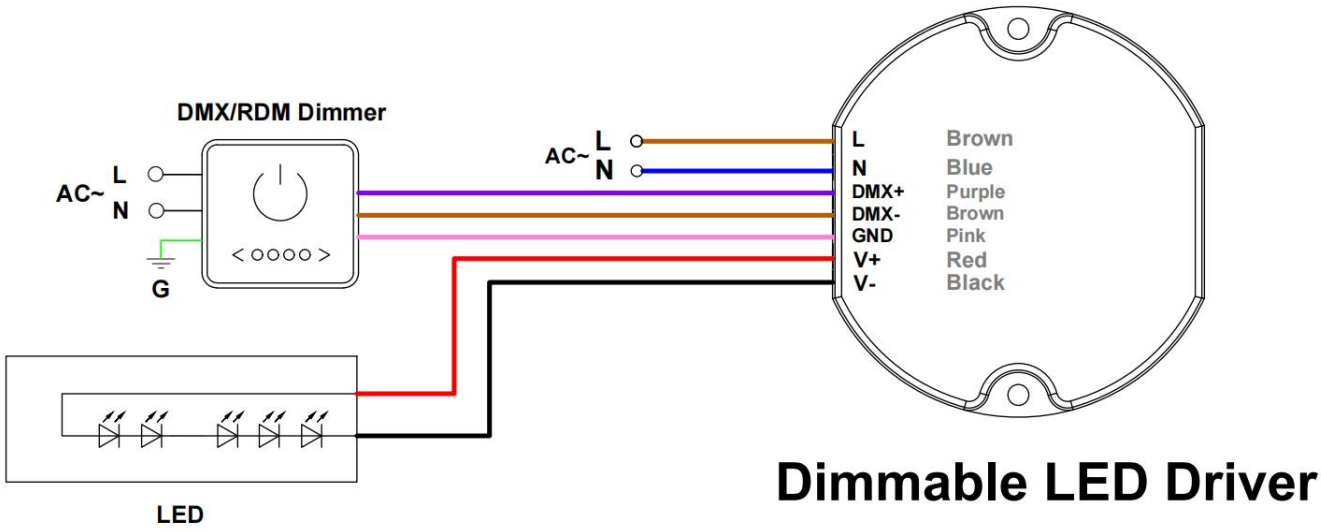


European wire gauge	
CO1C	
Input wire	Brown(L) Blue(N) (2*0.75mm^2)
Output wire	Red(V+) Black(V-) (2*0.326mm^2)
Dimming electronic wire	Purple(DMX+) Brown(DMX-) Pink(GND) (3*0.326mm^2)

Warm tip:

Any other requests for cable, we can customize.

Connecting Diagram



Address Setting

DMX512 address setting Operation

1. The default address for SC DMX driver is 001.
2. Address setting device:



RDM

RDM setting address:

Set the address by the RDM device. For detailed operation, please refer to RDM device instruction manual.

Instructions

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 questions, please contact Zhuhai Shengchang.

Please visit our website or contact us for more information! www.scpower.net.cn/en