0/1-10V LED dimmable driver---Constant Current 60W

■ Feature

- Output constant current
- Universal AC input:100-265VAC
- Built-in active PFC function
- High efficiency up to 86%
- Protections:Short circuit/Over current/Over loading
- Cooling by free air convection
- IP66 design for indoor or outdoor installation
- Class 1 power unit
- Three in one dimming function(0/1-10Vdc or PWM signal or resistance)
- Dimming range: 0-100%
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- Three years warranty

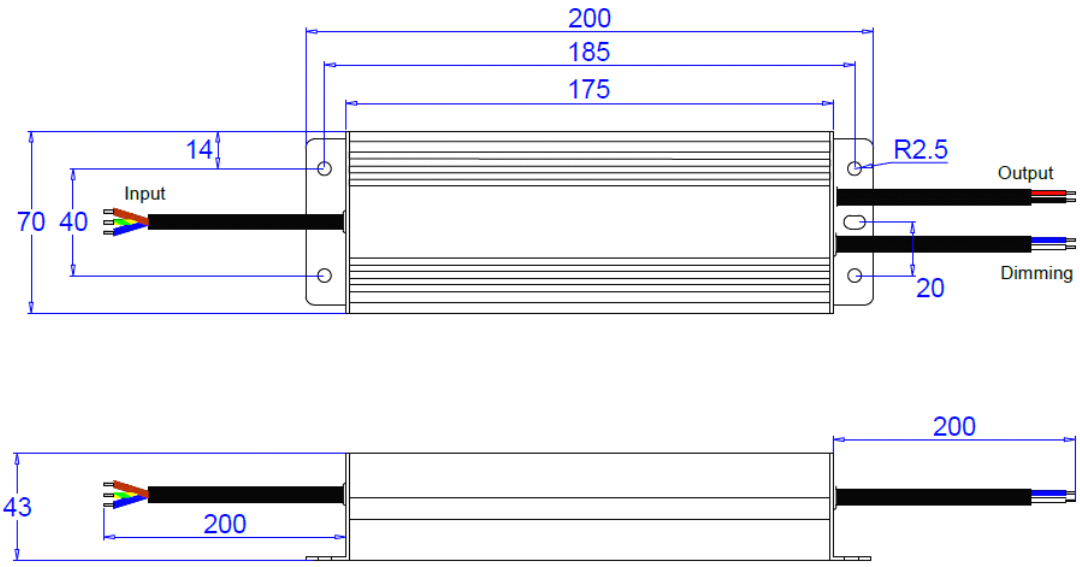
■ Specification

CE IP66 SELV

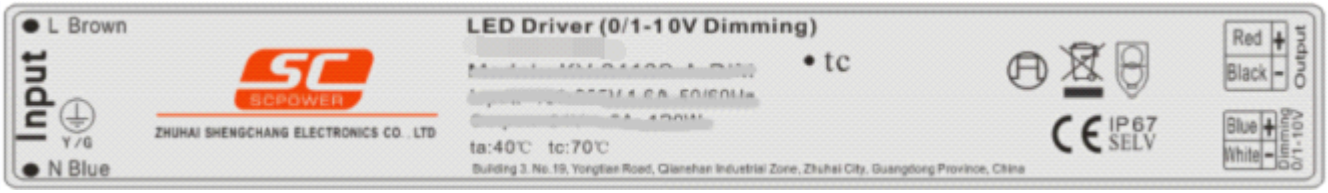
Model		KI-120500-A-DIM	KI-85700-A-DIM	KI-70900-A-DIM	KI-601050-A-DIM
Output	DC Current	500mA	700mA	900mA	1050mA
	Current Tolerance	±5%			
	Output voltage range	72-120V	51-85V	42-70V	36-60V
	Rated power	60W	59.5W	63W	63W
	Open circuit voltage(Max)	125V	90V	75V	65V
Input	Voltage Range	100～265VAC			
	Frequency Range	47～63HZ			
	Power Factor	PF≥0.95/120VAC PF≥0.90/230VAC PF≥0.85/265VAC（Full loading）			
	Efficiency（Typ.）	86%	86%	86%	86%
	AC Current（Max.）	0.63A	0.63	0.66A	0.66A
	Leakage current	＜0.5mA			
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed			
	Over Loading	≤120%			
	Over temperature	100℃±10℃, Shut down o/p voltage, recovers automatically after temp. goes down.			
Environment	Working TEMP.	-40～+60℃			
	Working Humidity	20～95%RH non-condensing			
	Storage TEMP.,Humidity	-40～+80℃，10～95%RH			
	TEMP.coefficient	±0.03%/℃（0～50℃）			
	Vibration	10～500Hz, 5G 12min./1 cycle, period for 72min. each along X,Y,Z axes			
Safety&EMC	Safety standards	EN61347-1 EN61347-2-13			
	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：100M Ohms/500VDC/25℃/70%RH			
	EMC EMISSION	Compliance to EN55015,EN61000-3-2 (≥60%load)			

	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, EN61547, light industry Level Criteria A
Others	Net.Weight	0.95Kg
	Size	200*70*43mm（L*W*H）
	Packing	310*240*165mm 10PCS /CTN
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25℃ of ambient temperature. 2. Tolerance:includes set up tolerance,line regulation and load regulation . 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.	

■ 60W 0-10V dimmable driver Mechanical Specification



■ Label



※Input Rubber cable H05RN-F 3G 1.0mm^2，the green/yellow cable connect with (FG)，Brown with AC (L), Blue with AC(N)

※Signal Rubber H05RN-F 2G*0.75 mm^2，Blue is（DIM+）,White is（DIM-）

※Output rubber cable H05RN-F 2G*1.00 mm^2，Red is output（V+）,Black is output（V-）.

Note: Any other requests we can customized.

■ Dimming Operation

※Built-in 3 in 1 dimming function, IP20 rated .Output luminous can be adjusted through output cable by connecting a resistance or 0/1-10Vdc or 10V PWM signal between DIM+ and DIM-.

※Please DO NOT connect “DIM-“ to “LED-“

※Reference resistance value: (Typical)

Resistance value	Signle driver	0Ω	10KΩ	20KΩ	30KΩ	40KΩ	50KΩ	60KΩ	70KΩ	80KΩ	90KΩ	100KΩ	OPEN
	Multiple drivers	0Ω/N	10KΩ/N	20KΩ/N	30KΩ/N	40KΩ/N	50KΩ/N	60KΩ/N	70KΩ/N	80KΩ/N	90KΩ/N	100KΩ/N	——
Percentage of luminous		0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%

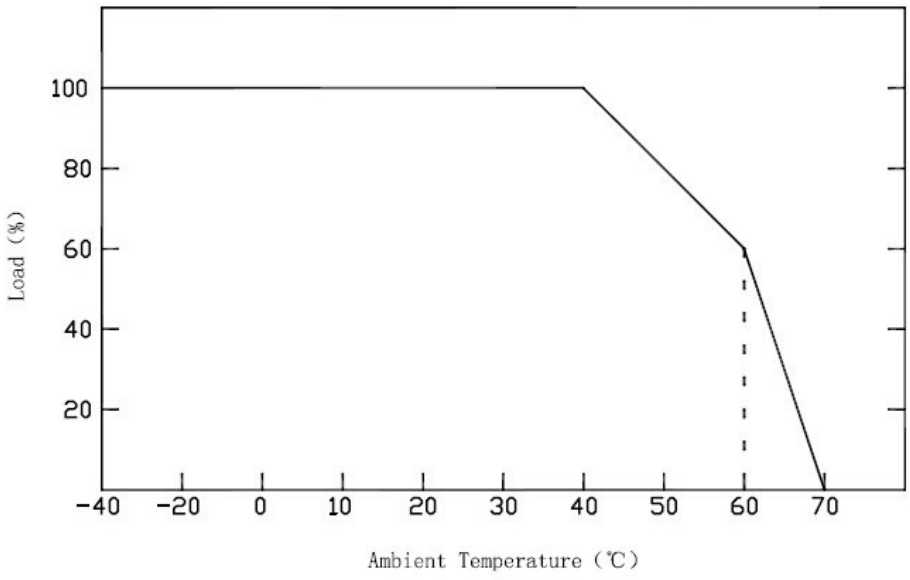
※1-10/0-10V dimmable function :(Typical)

Dimming value	0V	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Percentage of luminous	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%

※10V PWM signal: (Typical): Frequency range:100Hz-3KHZ

Duty value	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Percentage of luminous	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%

■ Derating Curve



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

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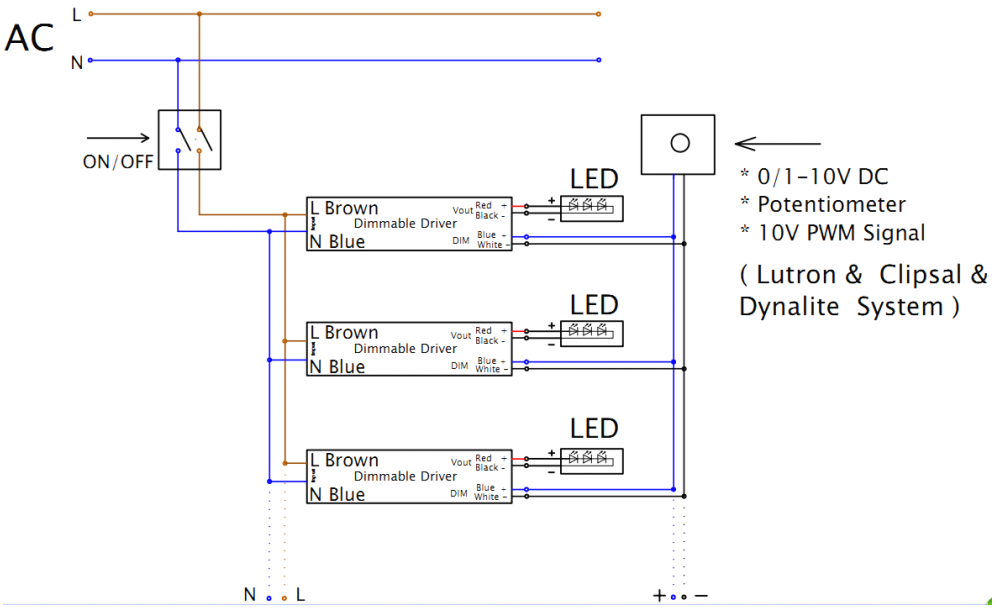
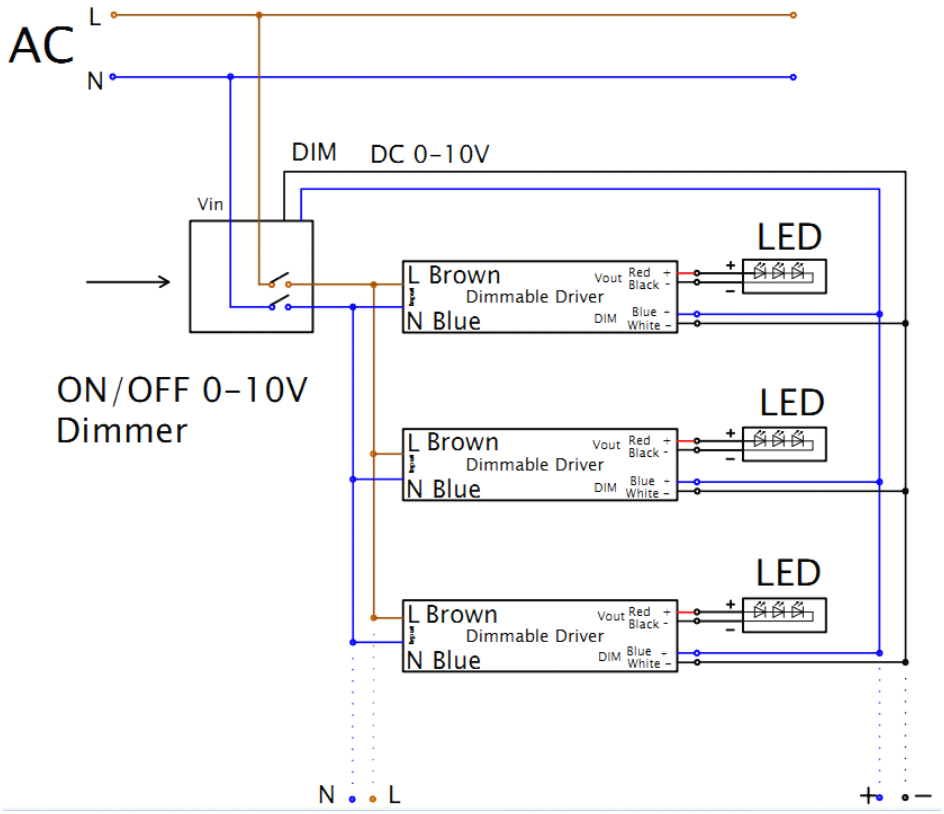
■ Connect Drawing





■Instruction

1) This driver should be installed by qualified and professional person;
2) Suitable for indoor use without direct sunlight exposure; Good ventilation are need;
3) Ensure that wiring is correct before test in order to avoid light damage;
4) If driver cannot work normally, don't maintain privately; Have any questions, please contact Shengchang