

LED Intelligent Dimming Driver

0.54-25W 180-700mA 3-54V

- Dimming interface: 1-10V(0-10V/10VPWM/resistor), Push Dim.
- PWM digital dimming, no alter LED color rendering index.
- Dimming range: 0~100%. LED start at 0.1% possible.
- Multiple current, wide voltage, compatible with a variety of LED lights.
- Power factor > 0.99, Efficiency > 85%
- Short circuit / Over-temperature / Over load protection.
- Class 2 power supply. Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV        **CE** **RoHS**  



1-10V  
PUSH DIM



**PWM**  
Digital  
Dimming



**PFC**  
>0.99



Over-heat  
Protection



Short Circuit  
Protection



ON  
1 2 3  
Multiple  
Current



3V-54V  
Wide  
Voltage

Main Characteristics

Dimming interface:	1-10V/0-10V/10VPWM/Resistor, Push Dim				Operating Voltage:	3-54V DC			
Dimming Range:	0~100%, LED start at 0.1% possible.				Output Power Range:	0.54W~25W			
Input Voltage Range:	100-240V AC ±10%				Current Accuracy:	±3%			
Input Current:	115Vac≤0.30A, 230Vac≤0.18A				No Load Output Voltage:	0V DC			
Power Factor:	PF>0.99/115V AC, PF>0.95/230V AC, at full load				Working Temperature.:	-30 ~ +55°C			
Frequency:	50/60Hz				Working Humidity:	20 ~ 95%RH, non-condensing			
Efficiency:	≥85%				Storage Temp., Humidity:	-40 ~ +80°C, 10~95%RH			
Inrush Current[typ.]:	Cold start 10A at 230V AC (twidth=75μs measured at 50% Ipeak)				Temp. Coefficient:	±0.03%/°C(0-50°C)			
Leakage Current:	<0.5mA/230VAC				Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.			
Output Current:	180mA	250mA	350mA	400mA	500mA	550mA	600mA	700mA	
Output Voltage:	3-54V	3-54V	3-54V	3-54V	3-50V	3-36V	3-36V	3-36V	
Output Power:	0.5W-9.7W	0.8W-13.5W	1.1W-18.9W	1.2W-21.6W	1.5W-25W	1.7-19.8W	1.8-21.6W	2.1-25.2W	

Protection

Short Circuit / Over Temperature / Over Load: Auto recovery

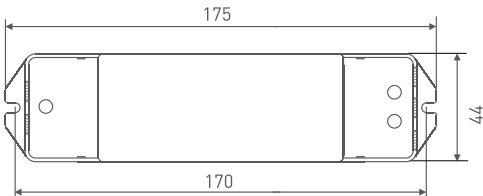
Others

Dimension:	175×44×30mm (L×W×H)
Packing:	178×48×33mm (L×W×H)
Weight(N.W.):	160g±10g

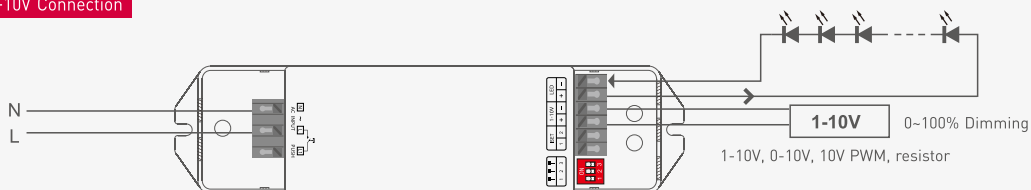
Safety & EMC

Withstand Voltage:	I/P-O/P: 3750VAC
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Specification:	IEC/EN61347-1, IEC/EN61347-2-13, EN55015, EN61000-3-2 Class C, EN61000-3-3, EN55024, EN61547 EN61000-4-2,3,4,5,6,8,11

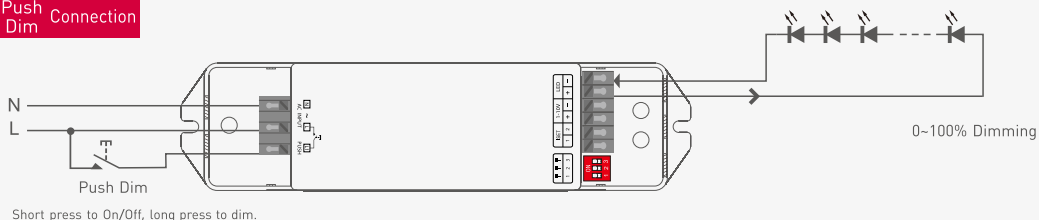
Dimensions



## NL



## NL

A close-up photograph of a hand with a pink nail polish pressing a rectangular button on a white control panel. The panel is mounted on a light-colored wooden surface. The button has a black border and the word "OFF" is printed in the center.

								ON	OFF
180mA/ISET	250mA	350mA	400mA	500mA	550mA	600mA	700mA		
3-54V	3-54V	3-54V	3-54V	3-50V	3-36V	3-36V	3-36V		

Current(mA)	180mA	200mA	225mA	250mA	275mA	300mA	325mA	350mA	375mA	400mA	425mA
Resistor(K $\Omega$ )	$\infty$	99.30 K $\Omega$	61.80K $\Omega$	42.10 K $\Omega$	32.53 K $\Omega$	24.81 K $\Omega$	20.27 K $\Omega$	16.21K $\Omega$	13.76 K $\Omega$	10.82 K $\Omega$	9.41 K $\Omega$

Current(mA)	450mA	475mA	500mA	525mA	550mA	575mA	600mA	625mA	650mA	675mA	700mA
Resistor(K $\Omega$ )	7.58 K $\Omega$	6.62 K $\Omega$	5.12 K $\Omega$	4.12 K $\Omega$	3.15 K $\Omega$	2.49 K $\Omega$	1.73 K $\Omega$	1.22 K $\Omega$	0.61 K $\Omega$	0.17 K $\Omega$	0 K $\Omega$