LCP150T-1H24V



Summary

LCP150T-1H24V is a constant voltage mode output LED driver. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB,Bunge, Siemens etc.) to achieve a smooth dimming effect.

Product Feature

·Single-channel constant voltage output, 6.25A Max.
·Support Leading edge (Triac) and Trailing edge (ELV) Dimmer
·Dimming range from 40VAC to 240V AC
·Dimming effect smooth, no flicker
·High efficiency: up to 89%
·Over current protection; Short circuit protection; Over voltage
·Suitable for indoor LED lighting application

Application

For LED constant voltage strip light only

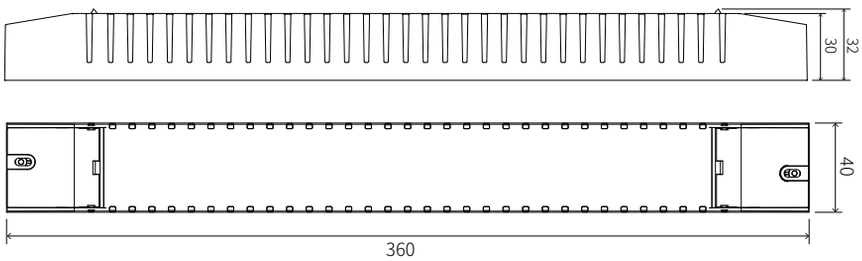

LED Strip Light


LED Tube

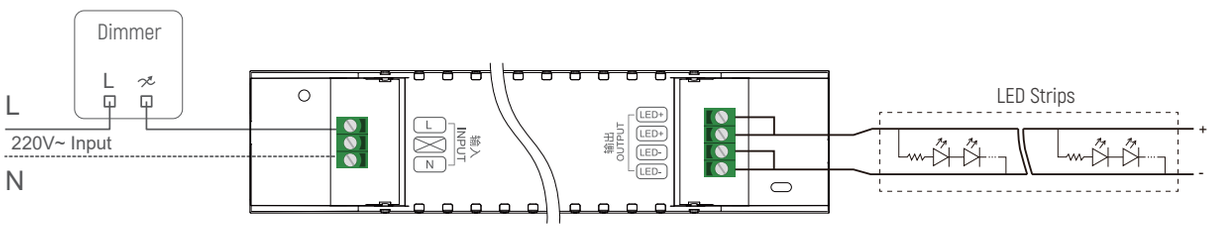
Technical Parameters

Model	LCP150T-1H24V		
Input	Efficiency	89%@230VAC, Full load	
	Voltage	220VAC-240VAC	
	Voltage(DC)	198VDC-264VDC	
	Frequency	50/60Hz	
	Power Factor	0.98@230VAC, Full load	
	Current	0.85Amax	
	THD	<10%@230VAC, Full load	
	Dimming voltage range	40-240VAC	
	Inrush Current	Cold start,24.7A(t width =700us measured at 50% Ipeak) @230VAC	
Output	Current	6.25A	
	Voltage	24VDC	
	Power	150W	
	Voltage Accuracy	±5%	
	Channel	1	
	Turn On Delay Time	NA	
Function	Dimming Mode	Triac	ELV
	Dimming range	1%-100%	
Protection	Over load	Limit the output to 110% to 150% of the rated power	
	Short Circuit	Hiccup, recovers after fault condition is removed	
	Over voltage	When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.	
Safety&EMC	Surge	L-N:2KV	
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA	
	Safety standards	EN61347, GB19510	
	EMI emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547	
Others	Working Temp.	-20°C~50°C	
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH	
	Tc	90°C	
	Material	PC	
	IP Rating	IP20	
	Lifetime	50,000h@tc:90°C	
	Warranty Condition	5 years	
	Switch Cycle	>25,000 times	
	Packing Size	Net weight: 730g±5%/PCS; 25PCS/Carton;19kg±5%/Carton; Carton Size:377*241*196mm(L*W*H)	
	Dimension	360*40*32mm（L*W*H）	

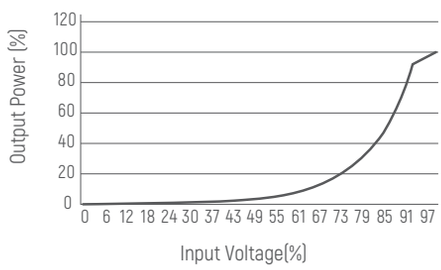
Dimension(mm)



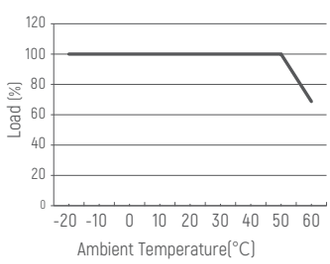
Wiring Diagram



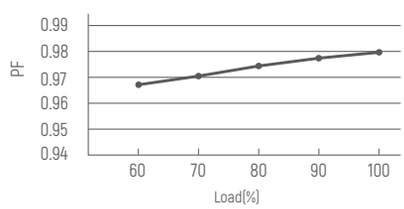
Dimming Curve



Derating Curve



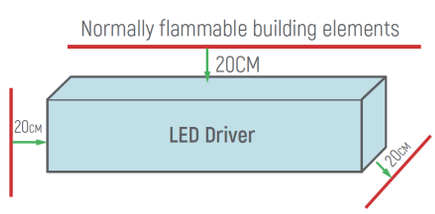
PF vs Load



Cautions

1.The product shall be installed and serviced by a qualified person.
2.This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
3.Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4.Please check if the output voltage and current of any LED power supplies used comply with the requirement of the product.
5.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
6.For safety consideration, PVC or rubber cord of 0.75-1.5mm2 is recommended for input and output terminal(s) . Flat power cord is not suitable. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7.If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.
8.No insulation between dimming circuit and LV circuit





※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions .