

EUCP150NN-1W24V-0MWWS

Summary

EUCP150NN-1W24V-0MWWS series are constant Voltage mode output LED driver. The series of products are suitable for outdoor because of IP67 and great surge immunity.

Product Features

- Supply voltage: 220-277V~
- Great surge immunity 10kV
- PWM output frequency >1kHz
- 100,000Hour life @ Tc=75℃
- 7 year warranty @ Tc<=80℃
- Dim off with 0.5W standby
- CE/CCC SELV output
- Safety according to EN 61347-1, 61347-2-3, 61347-2-13, 62384
- Application :strip lights, landscape lights, bay lights, street lights, flood lights



Application



Technical Parameters

Model	EUCP150NN-1W24V-0MWWS	
Input	Voltage	220-277V~
	Frequency	50/60Hz
	Power Factor	>0.9@60-100%load, refer to PF vs. Load curve
	THD	<15%@60-100%load, refer to THD vs. Load curve
	Current	1.4A max@120VAC & Full-Load, 0.75Amax@220VAC & Full-Load
	Inrush Current	65A peak, 1.2ms duration, <0.25A2s@220VAC, Cold Start 70A peak, 1.3ms duration, <0.5A2s@277VAC, Cold Start
	Leakage current	1mA max @277VAC 60Hz, UL8750, 0.75mAmax @240VAC 50Hz, IEC61347-1
Output	Voltage tolerance	±3%Vo
	Channel	1
	Output overshoot	10% Vo, max.
Protection	Input under voltage	Shut down and auto-restart
	Input over voltage	*Optional: Shutdown @320VAC
	Over temperature	Lower the output current when Tc≥105±10℃; Auto Recovery When Tc≤70±10℃
	Short Circuit	Auto recovery. The output recovers when short is removed.
	Output Over Current	120% Io, typ.
Others	Setup time	1.2s max.
	Surge protection	Line to line 4kV, line to ground 10kV, IEC 61000-4-5
	Operating temperature	Tc: -40℃~+90℃; 10%RH~100%RH (See Derating Curve for more details)
	Storage temperature	-40℃~+85℃; 5%RH~100%RH
	MTBF	≥320,000 hours, 75℃ case temperature (MIL-HDBK-217F)
	Lifetime	≥100,000 hours, 75℃ case temperature, refer to life vs. Tc curve
	Case temperature	90℃ max, marked in the Tc point of label
	Packing Size	Net weight: 800g±5%/PCS; 20PCS/Carton; 17kg±5%/Carton; Carton Size: 500x320x315mm(L*W*H)
	Dimension	6.34x2.66x1.32 by inch (body), 7.4x2.66x1.32 by inch (endcaps included) 161.0x67.5x33.5 by mm (body), 188.0x67.5x33.5 by mm (endcaps included)

Notes: Unless specified, all the test results are measured in 25℃ room temperature.

*marked items are optional and contact with sales people to get the functions.

** CE certified input voltage range: 220-277VAC; CCC certified input voltage range: 100-240VAC

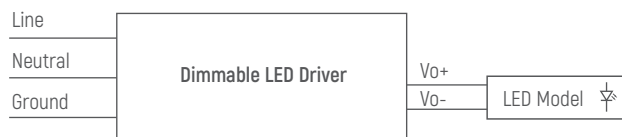
Model List

Model number	Input voltage range	Output power	Output voltage	Output current Min	Output current Max
EUCP150NN-1W24V-0MWWS	220-277V~	150W	24VDC	0	6.25A

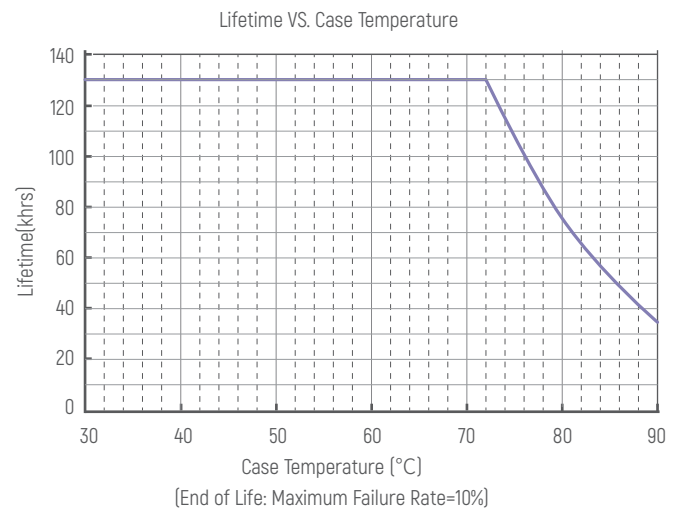
XY=	Dimming method	Programmable	12Vaux	Dim-off
NN	—	—	—	—
AN	0-10V	—	—	√
EN	0-10V	—	√	√
DN	DALI	—	—	√

Z=	
U	UL cable with ground wire
S	VDE cable/Class I

Dimming Wiring



Lifetime vs. Case Temperature



Dimension

