

DLCV-200 SERIES



Input: 220-240V 50/60Hz
Output Voltage: 24V
Rated Power: 200W max

Features

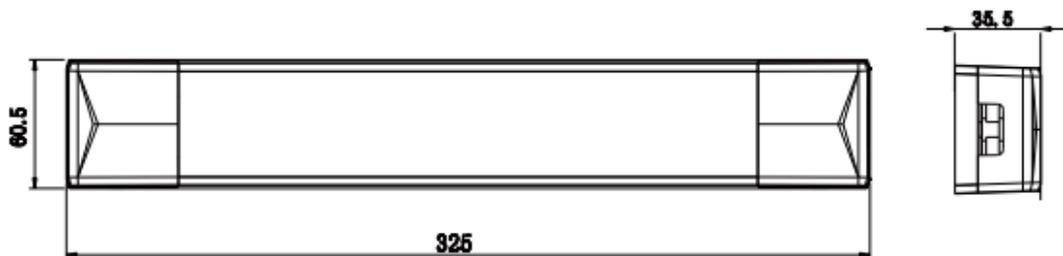
- Class II, SELV, Independent Power Supply
- DALI-2&PUSH(2 in 1) Dimmable
- Dimming range: 1-100%
- Fully-protected plastic housing with design of dismountable end cover.
- ERP :EU2019/2020
- Protection: Short circuit / Overload / Over voltage
- Warranty for 5 years

Application

- LED strips
- LED indoor lighting
- LED decorative lighting
- LED building lighting



■ Dimensions and Installation



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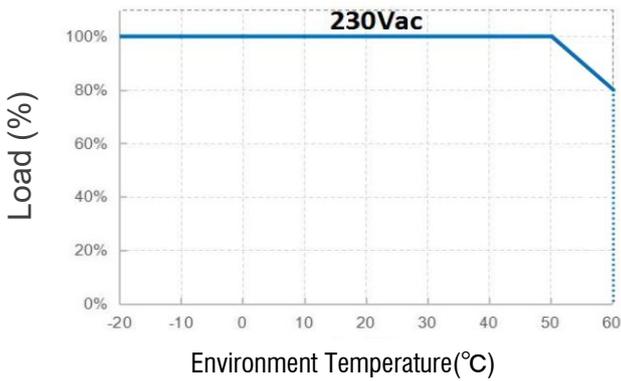
MODEL DETAIL SPEC.		DLCV-200-24
INPUT	Input Voltage:	220-240VAC
	Range of Input Voltage:	176-264VAC
	Input Frequency:	50/60Hz
	Input Current:	1.25AMAX@Full Load
	Inrush Current:	Cold start 55Aat 230Vac
	Leakage Current:	< 0.5mA/240VAC
	THD (Full load):	< 10%
	Efficiency:	93%
	Displacement factor:	≥0.9
	Power Factor:	≥0.95@Full Load 220-240VAC
	Start-up time:	<0.5S
	No Load Power:	≤0.5W
	Standby Power:	≤0.5W
	Network standby power	≤0.5W
OUTPUT	DC Voltage:	24V
	Rated Current(Max):	8.33A
	Rated Power(Max):	200W
	Voltage Tolerance:	±5%
	Ripple and Noise:	400mVp-p
	Output HF current ripple(>1KHz):	±1%
	Output LF current ripple(<120Hz):	±1%
	SVM:	≤0.4
	Pst:	≤1
Dimming	Dimming mode	DALI-2 IEC 62386-101,102,207 & Push Dimming (Corridor Function)
	Dimming depth	1%
	Dimming current range	1-100%
	PWM Resolution	16 bit
ENVIRONMENTAL	Operating Temperature Ta:	-20°C ~ +40°C
	Storage Temp:	-20°C ~ +60°C
	Maximum Case Temperature Tc:	+85°C
	Humidity:	20 ~ 95% RH
	Lifetime:	≥50,000h@Tc=75°C, full load
PROTECTION	Over Load:	105-150% Yes/Auto Restore
	Over Voltage:	≥25.2VDC Protection type: Auto Restore
	Short Circuit:	Yes , Protection type: Auto Restore
	Over Temperature Protection	Yes , Protection type: Auto Restore
SAFETY & EMC	Safety Regulations:	IEC61347- 1, IEC61347-2- 13;EN61347- 1, EN61347-2- 13;EN61347-1;EN61347-2- 13, EN62384;EN55015
	Withstand Voltage:	I/P-O/P:3750VAC
	EMC Immunity:	EN61000-4-2,3,4,5,6,8,11, EN61547
OTHER	Material and SizeSize:	PC,325*60.5*35.5mm±1mm
	IP Grade:	IP20

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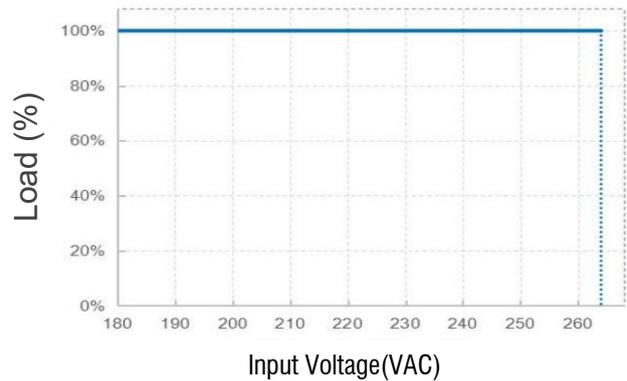
Note:

1. All parameters not specially mentioned are measured at 230VAC input, full load and 25°C of ambient temperature.
2. Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor.
3. The DC input for this product is only used for emergency lighting and applies to functional and safety requirements, EMC is not considered.

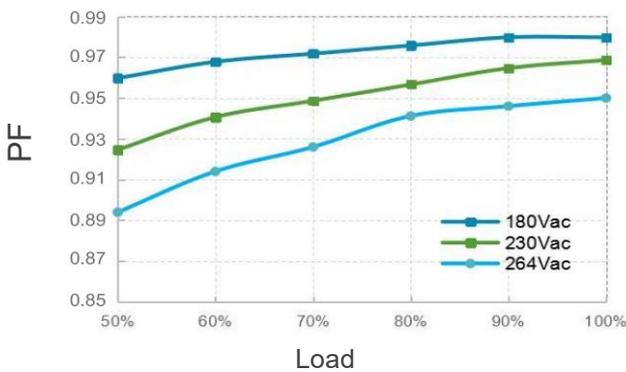
Deduction Curve and Temperature



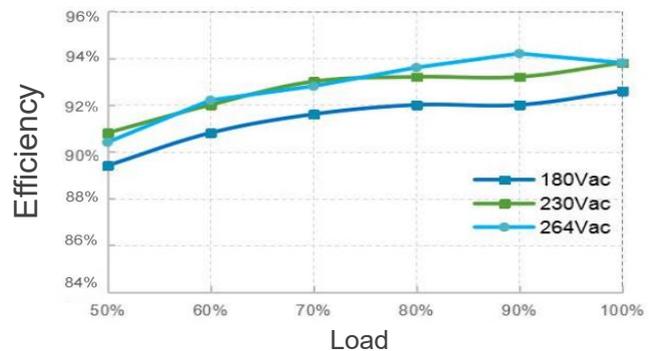
Minus Output and Input Voltage Curves



Power Factor (PF) Curves

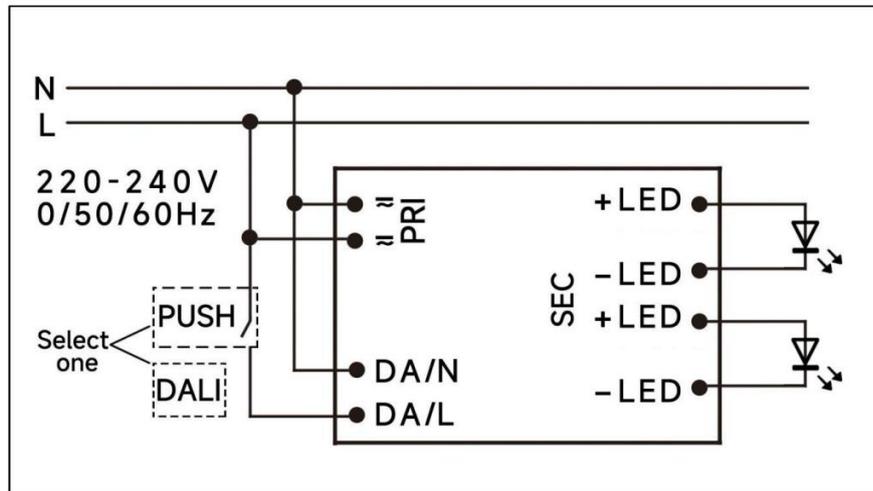


Efficiency Vs Load



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Wiring Diagram



Wiring & Connections

Specification item		Value (Unit)
Input	Input wire cross-section	0.5...1.5 mm ²
	Input wire gauge.	16...20 AWG
	Input wire strip length	7...9mm
Output	Output wire cross-section	1.0...2.5 mm ²
	Output wire gauge.	14...18AWG
	Output wire strip length	7...9mm

Manufacturer's address:

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