

KMD-10-DALI-EA 220V

Product Overview

- KMD-10-DALI-E11 220V is a constant current DALI power supply
- Complies with DALI standard protocol IEC 62386, DALI Digital control input, PWM Output.
- Built-in MCU, customisable logarithmic or linear dimming
- With smooth dimming curve and are flicker free.
- Isolated power supply design

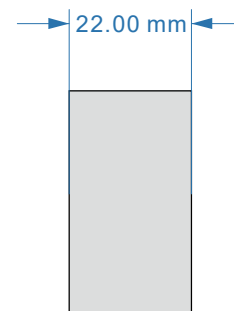
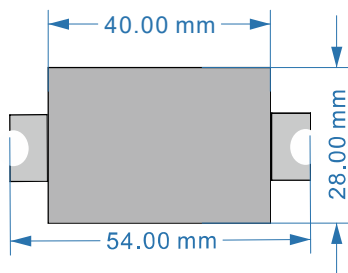


Product Feature

- Input voltage range from 220VAC to 240VAC, Compliant with the European voltage range
- Waterproof level IP 65, PF factor design > 0.95, and the efficiency is up to 80%
- Round design, Perfectly matched with downlights and spotlights applications
- Protections: Short circuit, over load, over current
- Comply with DALI protocol IEC 62386: 101, 102, 207, 251, 252, 253
- Compatible with PUSH function When DT6
- EL Function when DC 180-280V, 100% Brightness Setting
- Support advanced functions such as EL emergency and CLO light attenuation compensation.
- Supports EnergyData function and reads energy reports (DALI Part 252)
- Supports the lamp data query function (DALI Part 251) and the reading of diagnostic and maintenance data (DALI Part 253) ..
- To enable NFC function, please download the APP: LED Driver Utilities



Dimensional drawing



Packing specification

size: 50x50x40



Each product is in an independent white box

size: 48.3x31x22.5



Each cardboard box contains 250 pcs

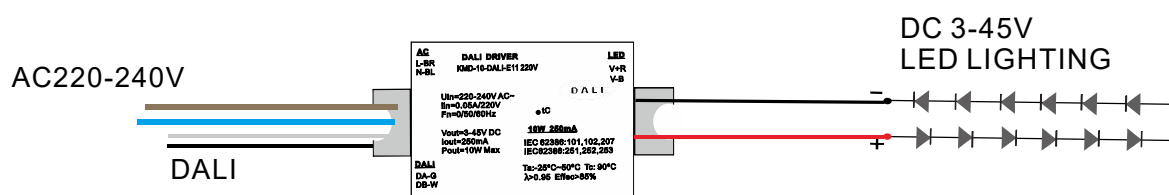
Weight per box: 13KG

Technical Parameters

Model		KMD-10-DALI-EA 220V
Input	Efficiency	85%@230VAC, Full load
	Voltage	220VAC~240VAC / DC180-280V
	Frequency	0/50/60Hz
	Power Factor	>0.95 @230VAC, Full load
	THD	<20%230AVC, Full load
	Standby power	≤ 0.5W
	Current @220VAC	0.06A Max
Output	Direct voltage	3VDC-45VDC
	Rated current	250mA
	Rated Power	Max10W
	Current Tolerance	±3%
	Open circuit voltage	≤60VDC
	Rippl and noise(max)	<800mVP-P
	Channel	1Channel/DT6
No flicker performance (typical value)		Flashing Index (IEEE 1789) = 0.001 (100Hz), Pst LM = 0.001, SVM = 0.002
Protection	Short circuit protection	Connect wrong output positive negative pole, still can work normally
	Overload protection	When a predetermined current or voltage is exceeded, it enters a protected state
	Temperature protection	The chip itself has protection
Safety&EMC	High-voltage insulation test	I/P-O/P:3.75KVAC
	Insulation resistance	I/P-O/P:>100M Ohms/500VDC/25℃ /70% RH
	lightning-stroke overvoltage	1KV
	Safety Standards	EN61347-1, EN61347-2-13, EN62384
	EMC Eission	EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11,
	EMC Immunity	EN 61547
Function	Dimming range	0.2%-100%
	Dimming depth	0.2%
	DALI standard	IEC 62386-101,102,207 ; IEC 62386-251,252,253
	D4I standard	DALI part 251,252,253
Others	Working Temp.	-25℃ ~ +50℃
	Storage Temp.; Humidity	-40℃ ~ 85℃ ,20-90%RH
	Temperature point-Tc	90℃
	Shell Material	PC
	IP Rating	IP 65
	MTBF	50,000h @ta:25℃
	Warranty Condition	5 years
	Switch Cycle	>15000times
	Net weight	50g
	Dimension	54x28x22mm
	Package Quantity	250pcs
	Package Size	48.3x31x22.5 cm
	Package Weight	13kg

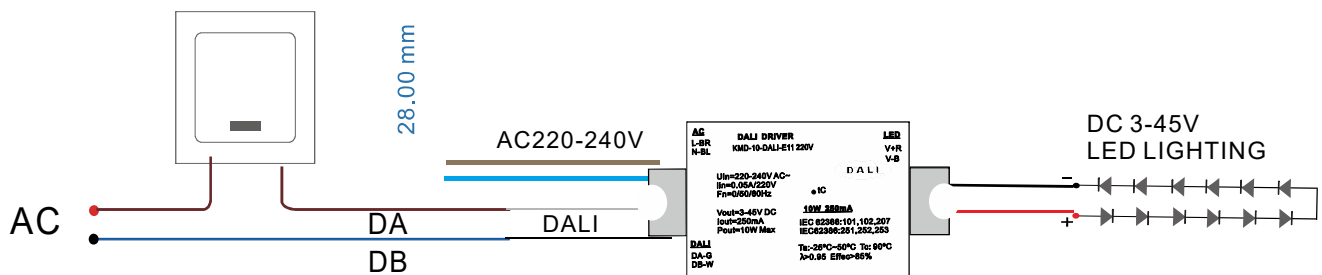
Function Display

DALI DT6



PUSH

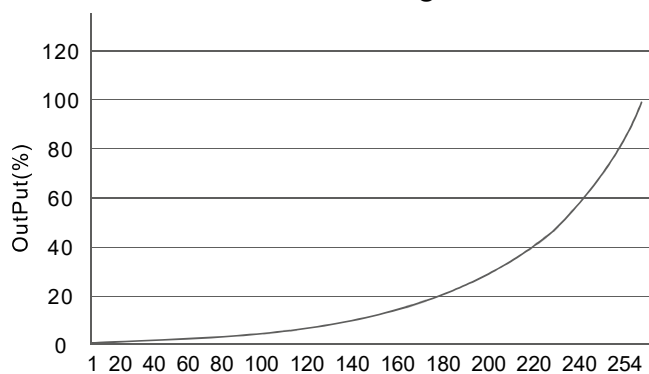
Push Panel



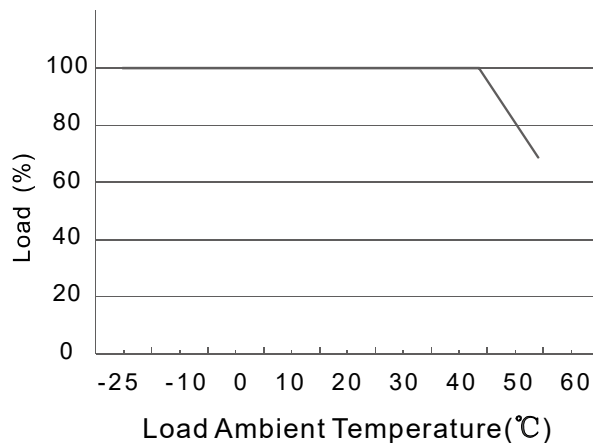
Dali Dimmable Driver has synchronization function during the dimming process

DALI/PUSH Dimmable driver performance chart

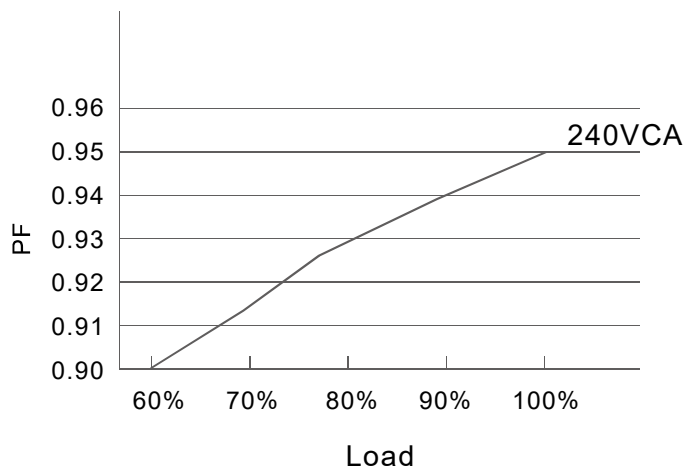
DALI Dimming Curve



Derating Curve



PFC



Efficiency

