



40W 2 IN 1 DIP

DT8&DT6&D4i Function
Constant Current Dimmable Driver

KMD-40-2DALI-E4B 220V DIP

40W 350-900mA



DIP



Product Overview

1. KMD-40-2DALI-E4B 220V DIP is a dimming driver that can provide constant current output.
2. Complies with DALI standard protocol IEC 62386:101.102.209,209.250.251.252.252 DALI Digital control input, PWM Output.
3. Built-in MCU,customisable logarithmic or linear dimming
4. The dimming effect is smooth, no flicker, no jitter
5. Isolated power supply design
6. Protections:Short circuit,over load,over current
7. Input voltage range from 220VAC to 240VAC and DC180-280V,
8. Waterproof level IP 20,PF factor design > 0.95, and the efficiency is up to 85%
9. Complies with EL requirements

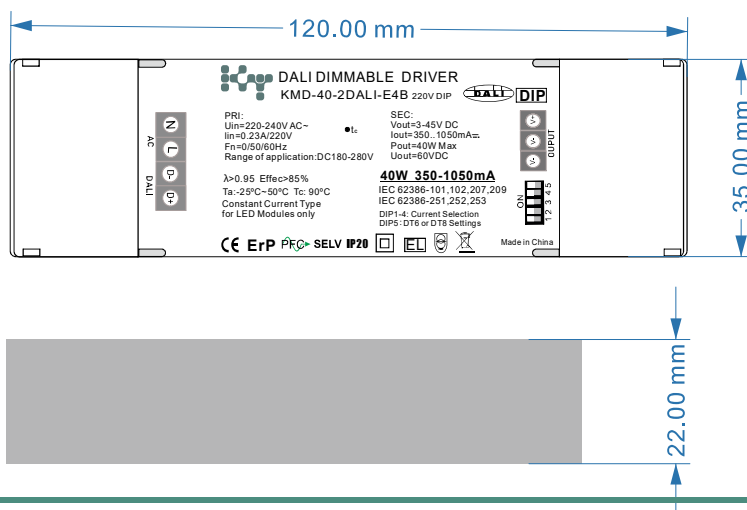
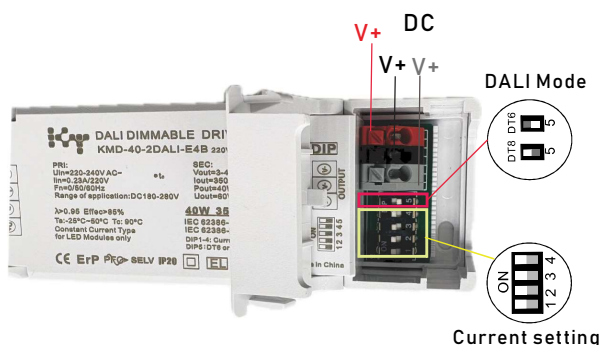
Functional Description

1. Support modification of output mode: DT8 mode and DT6 mode ; DT6 mode with 1 address, 1 address with 2 sets of outputs.
2. Current adjustment range: 350 - 1050 mA, via DIP
3. 5-position DIP switch, positions 1-4 for current selection, position 5 for DT6/DT8 mode
4. It has the PUSH function and is in the DT6 mode.
5. The color temperature adjustment range is: 6500-2700K
6. Through DIP, the current setting range is 350... 1050mA, with a total of 15 current options available
7. It can detect all energy data and, through the DALI system, But there is no BUS PS function

Dimension drawing

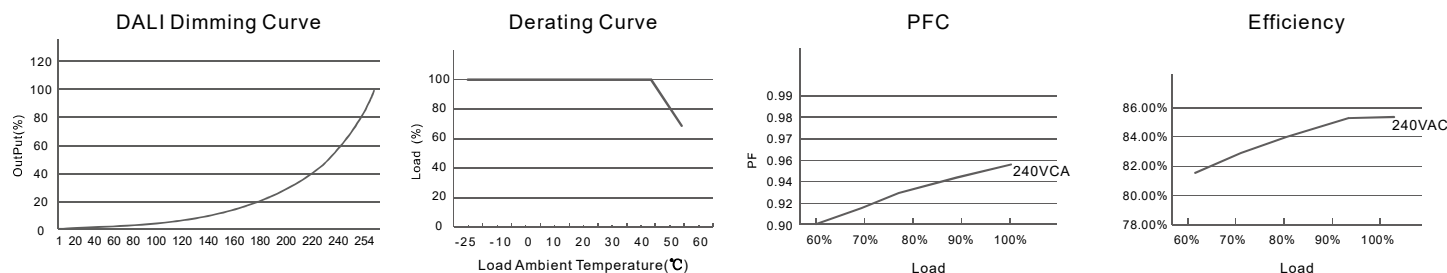
Size: L120mm/W35mm/H22mm

Connection method: Terminal





DALI/PUSH Dimmable driver performance chart



Technical Parameters

Model		KMD-40-2DALI-E4B 220V DIP
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	0.23A
Output	Direct voltage	3VDC~45VDC
	Rated current	350-1050mA
	Rated Power	40W Max
	Current Tolerance	±3%
	Open circuit voltage	<60VDC
	Ripplt and noise(max)	<800mVP-P
	Channel	1Channel/DT8 ; 1Channel/DT6
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° C/70% RH
	Safety Standards	IEC/EN61347-1,IEC/EN61347-2-13
	EMC Eission	EN IEC 55015,EN61000-3-2, IEC61000-3-3
	EMC Immunity	EN 61547
Function	Dimming range	0.1%-100%
	Dimming depth	0.1%
	DALI standard	IEC62386-101,IEC62386-102, IEC62386-207,IEC62386-209,IEC62386-251,IEC62386-252,IEC62386-253
	Adjust the current method	350..1050ma via DIP
	Control mode functions	DT 8 mode; DT6 mode ,DT6 mode with 1 address, 1 address with 2 sets of outputs.
	Other compatible functions	PUSH Functions when DT6;EL Functions
Others	Working Temp.	-25°C~+45°C
	Storage Temp.; Humidity	-40°C~85°C,20-90%RH
	Temperature point-Tc	90°C
	Shell Material	PC
	IP Rating	IP 20
	Lifetime	50,000h @ta:25°C
	Warranty Condition	5 years
	Switch Cycle	15000 Time
	Net weight	140g
	Dimension	120x35x22mm

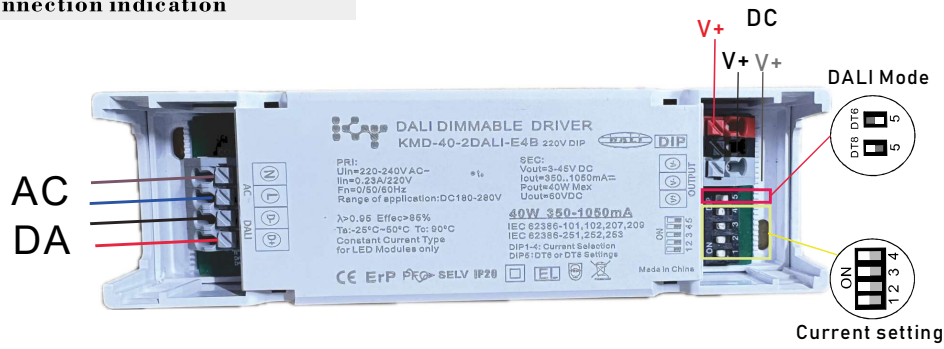


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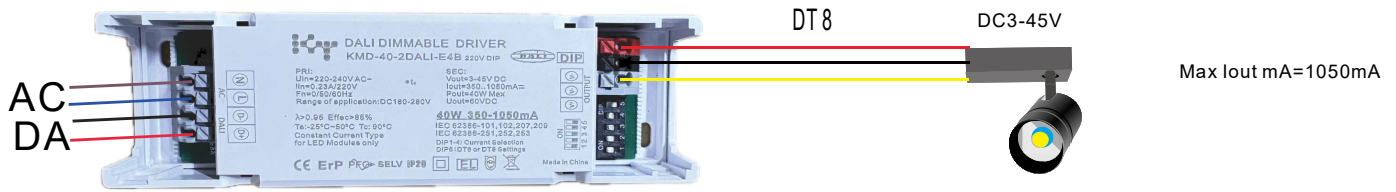
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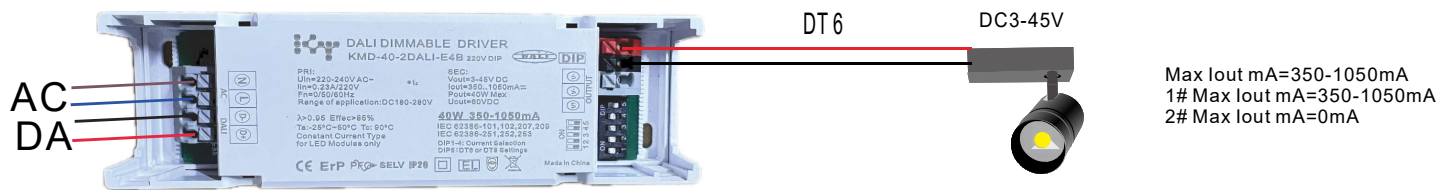
Connection indication



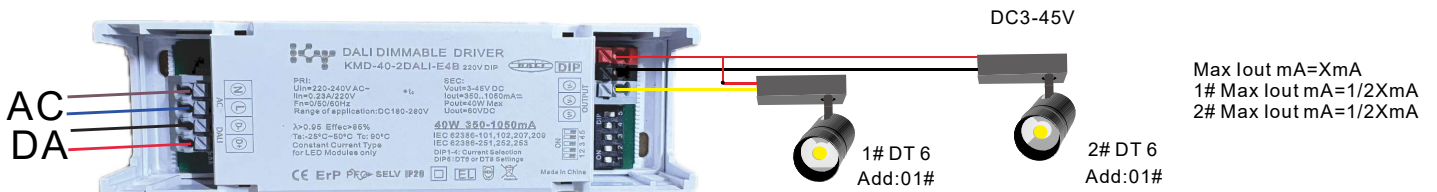
Wiring Diagram for DALI DT8



Wiring Diagram for DALI DT6



Wiring Diagram for DALI DT6-2CH/ 1Add



Wiring Diagram for PUSH-DT6

