

KMD-YY-2DALI-E2 Series

Constant Current Dimmable Driver
DALI DT8 Compatible | Available 180 - 670mA

PRODUCT OVERVIEW

- KMD Series dimmable LED is dimming driver that provide Constant current output.
- Compatible with DALI standard protocol IES 62386, DALI control input, PWM Output.
- Dimming function can be DALI or PUSH. - Factory PRE set.
- Built-in MCU, customizable logarithmic or linear dimming.
- With smooth dimming curve and are flicker free.
- Isolated power supply design
- Compatible with DALI touch control (KDD-Dim-L-06)

PRODUCT FEATURE

- Two channel 350mA constant current output
- Input voltage range from 100VAC to 240VAC
- IP20 rated, PF <0.95 efficiency is 83% typ.
- Round design, suitable for all lighting designs.
- Protections: Short circuit, over load, over current
- Compatible with DALI protocol IEC 62386: 101, 102, 209
- The dimming effect is smooth, no flicker, no jitter
- Suitable for LED CC lighting, such as LED spotlight, LED ceiling lights, LED wall washing lights, LED buried lights, etc.



WARRANTY

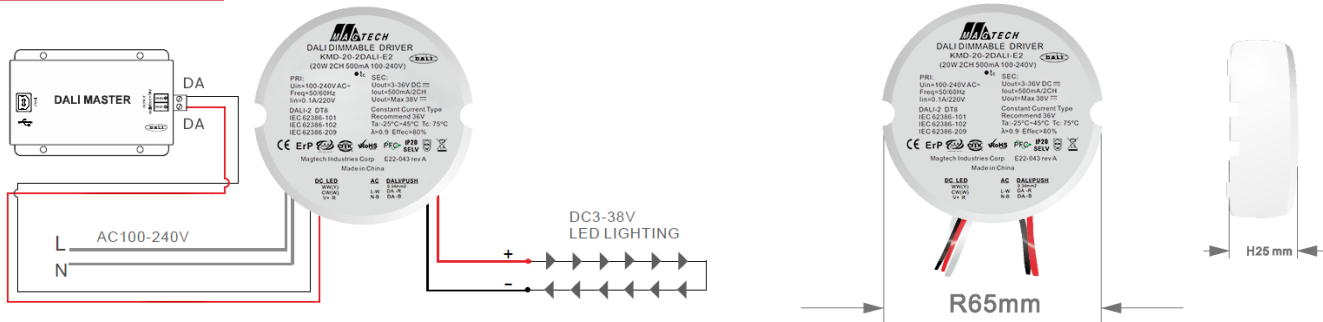
- See [Limited Warranty Policy](#) for more additional information.

TECHNICAL PARAMETERS

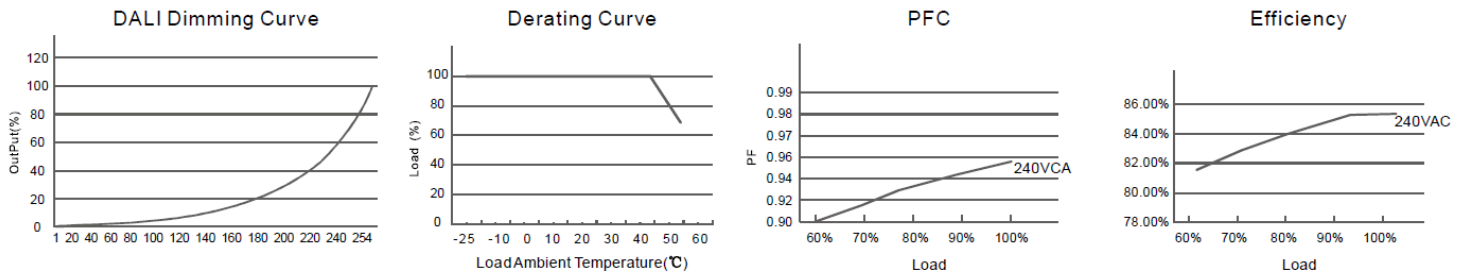
MODEL		KMD-15-2DALI-E2	KMD-20-2DALI-E2	KMD-25-2DALI-E2
INPUT	EFFICIENCY	83% @ 230VAC, Full load		
	VOLTAGE	100VAC – 240VAC		
	FREQUENCY	50 – 60Hz		
	POWER FACTOR	>0.95 @ 230VAC, Full load		
	THD	<20% 230VAC, Full Load		
	STANDBY POWER	<0.5W		
	CURRENT	0.08A max @ 220VAC		
	LEAKAGE CURRENT	<3mA/ 220V		
OUTPUT	DIRECT VOLTAGE	3VDC – 38VDC		
	RATED CURRENT (Max.)	180 – 350mA	350 – 500mA	670mA
	RATED POWER	15W/ 2CH	20W/ 2CH	25W/ 2CH
	CURRENT TOLERANCE	±3%		
	OPEN CIRCUIT VOLTAGE	40VDC		
	RIPPLT AND NOISE (MAX)	<800mVp-P		
	CHANNEL	2 Channel		
PROTECTION	OVERLOAD PROTECTION	Latch-off		
	TEMPERATURE PROTECTION	N/A		
	SHORT CIRCUIT PROTECTION	Hiccup, Auto-Recovery		
SAFETY & EMC	HIGH-VOLTAGE INSULATION TEST	I/P-O/P: 3.75KVAC		
	INSULATION RESISTANCE	IP/-OP: >100M OHMS/ 500VDC/ 25°C/ 70% RH		
	SAFETY STANDARDS	IEC/ ENC61347-1, IEC/EN61347-2-13		
	EMC EMISSION	EN IEC 55015, EN61000-3-2, IEC61000-3-3		
	EMC IMMUNITY	EN61547		

MODEL		KMD-15-2DALI-E2	KMD-20-2DALI-E2	KMD-25-2DALI-E2
FUNCTION	DIMMING RANGE	3% -100%		
	DIMMING DEPTH	3%		
	DALI STANDARD	IEC62386, IEC62386-102, IEC62386-207		
	"xx" DIMMING FUNCTION	2DALI		
OTHERS	WORKING TEMP.	-25°C + 45°C, non-condensing		
	STORAGE TEMP. HUMIDITY	-40°C 85°C, 20 - 90%RH		
	TEMPERATURE POINT - Tc	75°C		
	SHELL MATERIAL	PC		
	IP RATING	IP20		
	LIFETIME	50,000 Hours @ta:25°C		
	WARRANTY CONDITION	3 Years		
	SWITCH CYCLE	>15000 times		
	NET WEIGHT	100g		
DIMENSION	65 x 25mm (Dia. x H)			

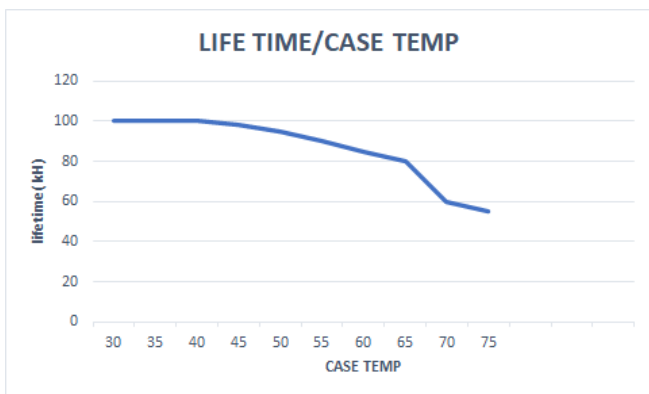
WIRING DIAGRAM



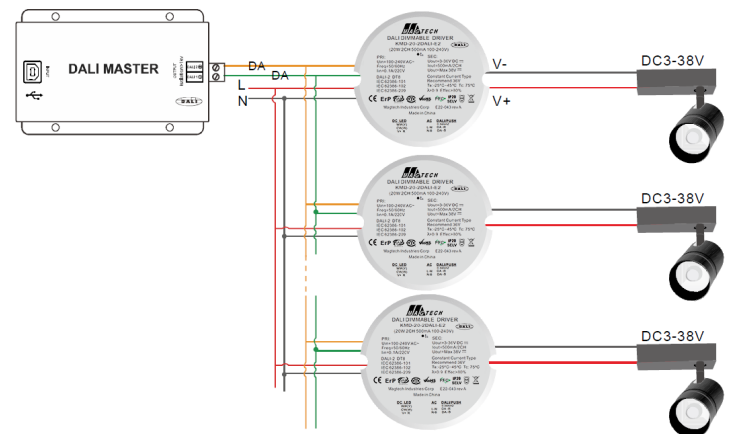
DALI/ PUSH DIMMABLE DRIVER PERFORMANCE CHART



LIFE TIME VS TEMP.



DALI USES CONNECTION DIAGRAMS



Dali Dimmable Driver has synchronization function during the dimming process.