

SPECIFICATION

Product Name.	DALIZ DIIIIIIIADIE LED GIIVEI		
Model No.:	KL60C-DiiP		
Issue Date:	November 06, 2019		
С	USTOMER APPROVED		



Version	Product Name / Product Model	Reason / content for change	Stage	Date
A0	DALI2 LED driver KL60C-DiiP		Design verification	2019-11-06



1. Features



- 1) With DALI dimming function; primary Push dimming function, and state memory;
- 2) No flicker in the full dimming range;
- 3) Reduce output current after over temperature;
- 3)With output short-circuit / over-voltage protection, over-temperature protection of the whole machine,Reduce output current after over temperature;
- 4) Standby power consumption ≤ 0.5W;
- 5) 5 years warranty.

2. Parameters

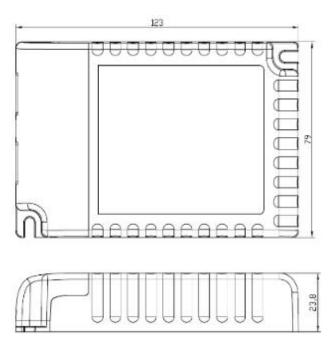
	Voltage range	198-264V AC 50Hz /60Hz		
	DC input current range	200-240V DC		
	Rated supply voltage	220-240V AC 50Hz /60Hz		
	input power	65W Max		
	Input current	0.32A Max		
	Input Inrush Current	16A (t width=100us measured at 50% I peak @230Vac) (Cold start, 100% load)		
Input	Total harmonic distortion	≤13% (@ 230Vac, 100% load)		
	Power Factor	0.95 (@ 230Vac, under full load)		
	Leak current	<0.5mA/240V		
	Stand-by Power	≤0.5W		
	No-load power consumption	1W		
	Leak current	<0.5mA/240V		
	Working efficiency	86% Max. @ 230V AC (1050mA full load)		
	Operating mode	Constant current		
	Load type	LED		
	Start up time	<1S(AC power-on to output current reaches 90% of rated)		
	Current Ripple	±7% (LED load test)		
Output	Ripple requirement			
	(Flickering or	Flicker-free, less than 2%		
	Flickering-Free)			
	No load output voltage	80VDC Max		
	Load output voltage	9-71V DC		
	Full load output power	60W Max		



	Load output current	350mA(9-71V) 500mA(9-71V) 550mA(9-71V) 650mA(9-71V) 700mA(9-71V) 750mA(9-71V) 850mA(9-70V) 900mA(9-66V) 1000mA(9-60V) 1050mA(9-57V)			
	Constant current/voltage accuracy	Constant current ±5%			
	Wiring Method	Push Terminal, wire diameter: 0.75-1.5mm ²			
Control Method	Primary PUSH dimming	Primary PUSH dimming (maximum lead length: 20M)			
	DALI Dimming	Yes			
	Input overvoltage protection	300V AC 50Hz / 60Hz 2h			
Exception	Output no-load protection	Yes, self-recovery (with query function)			
Protection Requirements	Output over-temperature protection	Yes, non-recoverable (with query function)			
	Output short circuit protection	Yes, non-recoverable (with query function)			
Operating Environment	Operating temperature/humidity	-25°C~50°C			
	Storage temperature/humidity	-40 °C + 80 °C 10 ∼ 95% RH (non-condensing)			
	Max. case temp (Tc)	85 ℃			
Certification standards	Safety standards	EN61347-1, EN61347-2-13			
	Electromagnetic compatibility (EMC) standards	EN55015, EN61547, EN61000-3-2, EN61000-3-3			
	Environmental requirements	Comply with EU RoHS requirements			
	Certification	CE ENEC			
	Insulation withstand voltage	3750V AC 5mA 60S (input "L N" to output "SEC + SEC-1-10V")			
	Input / output (terminal / lead) specifications: Push-type terminal block Wire diameter	0.75-1.5mm2			
	Protection class	IP20			
Others	Overvoltage category	Class II			
	Installation requirements	stand-alone installation			
	Installation size	123 * 79 * 24mm			
	Packaging requirement	bubble bag + partition + outer box (K = A)			
	Weight	200.6 g			
	Warranty	5 years warranty @Ta 230V full load			
	1	ı			



3. Dimension (Unit: mm)



4. Wiring Diagram

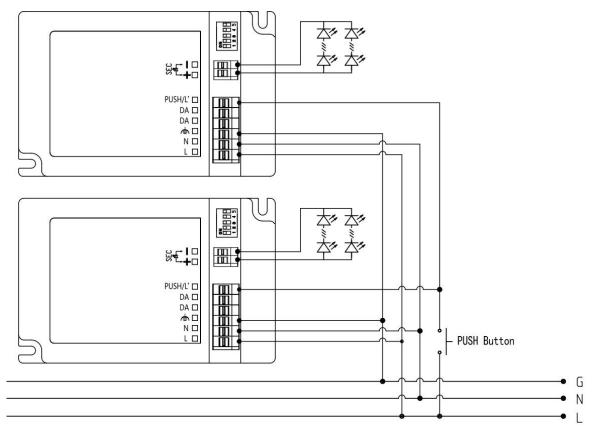


Fig.A PUSH Dimming



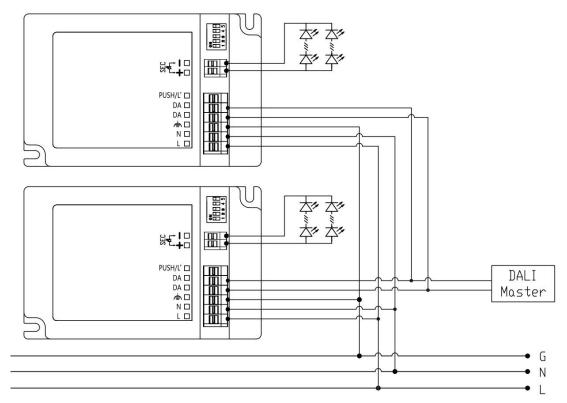
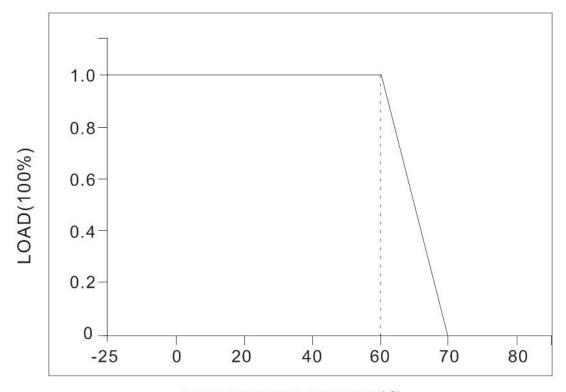


Fig. B DALI Dimming

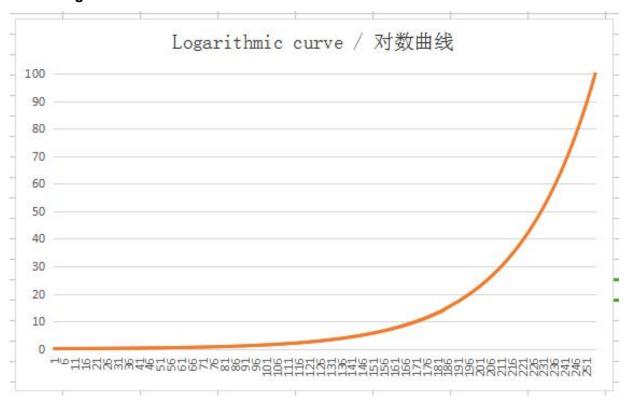
5. Derating



-AMBIENT TEMPERATURE(°C)



6. DALI dimming curve







7. Current gear setting

Current / voltage gear	_				_
setting	1	2	3	4	5
350mA	-	-	-	-	-
500mA	ON	ON	-	_	-
550mA	ON	-	ON	-	-
650mA	ON	ON	ON	-	-
700mA	ON	ON	-	ON	-
750mA	ON	-	ON	ON	-
850mA	ON	ON	ON	ON	-
900mA	ON	ON	-	ON	ON
1000mA	-	ON	ON	ON	ON
1050mA	ON	ON	ON	ON	ON

8. Power on / off and dimming operation instructions

A. Short press the PUSH switch (short press time 0.1S-1S), the LED driver will turn on or off.

B. Dimming:

Press and hold the PUSH switch (1S-8S), the LED driver can realize dimming, brightening or dimming, the dimming range is 0-100%.

C. Memory:

PUSH dimming has dimming memory function.

D. Dimming synchronization.

The power connected to the same PUSH switch can be synchronized with the long press of the PUSH switch, and the long press time is longer than 15S.

E. DALI dimming mode.

Connect the power supply to the DALI system, and it can be dimmed by the DALI host. The dimming range is 0-100%.



9. matters needing Attention

- 1) The LED string must be connected to the load before turning on the input power, otherwise the LED string may be damaged.
- 2) After the LED driver input is powered off, there will be a residual voltage at the output, which can be maintained for about 3 minutes.