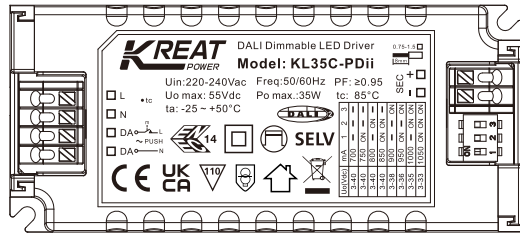


KL35C-PDii



Flicker-free DALI LED Driver 35W



EN

Instruction

MI210617A0



FEATURE

- Flicker-free for whole dimming range.
- Stand-by power below 0.5W.
- Primary dimming with push button.
- Built-in DALI 2 interface DT6.
- Protection: short circuit / over temperature/ over voltage.
- Derating current for over high ambient temperature.
- Push dim with memory function.
- 5 year warranty.

ON/OFF & DESCRIPTION OF DIMMING OPERATION

- 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 achieve dimming, brightening or dimming, the dimming range is 2-100%.
- C. Memory: PUSH dimming has dimming memory function.
- D. Dimming synchronization: The power connected to the same PUSH switch can be synchronized by pressing and holding the PUSH switch for 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%.

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 drive input is powered off, there will be a residual voltage at the output, which can be maintained for about 3 minutes.

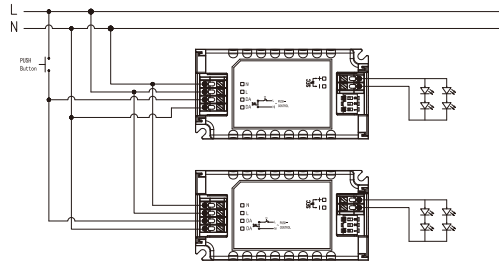
FACTORY SETTING: 700mA

Warning: Please make sure the correct current is set before starting the driver!

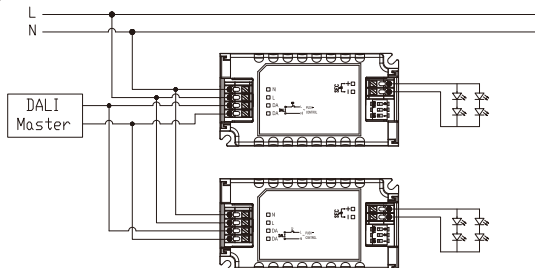
SPECIFICATIONS

Model	KL35C-PDii, 1x35W		
Rated voltage	220-240V AC, 50/60Hz		
Rated current	0.2A (max)		
Rated power	41W (max)		
Operating temperature	-25°C~50°C		
Dimming	DALI & PUSH		
Output voltage	700mA	3~40V DC	2.1-28.0W;
	750mA	3~40V DC	2.3-30.0W;
	800mA	3~40V DC	2.4-32.0W;
	850mA	3~40V DC	2.6-34.0W;
	900mA	3~38V DC	2.7-34.2W;
	950mA	3~36V DC	2.9-34.2W;
	1000mA	3~35V DC	3.0-35.0W;
	1050mA	3~33V DC	3.2-34.7W;
The wire length of DALI	300m Max.		
Abnormal protection	Output short-circuit protection after restart		
Overheating protection	Overheating protection after restart		
EMC standard	EN55015, EN61000-3-2, EN61547, EN61000-3-3		
DALI standard	IEC62386-102, IEC62386-207		
Safety standard	EN61347-1 EN61347-2-13		
Certification	CE, ENEC, UKCA, CB		
Dims	96*42.5*24 or 136*42.5*24mm		
Protection class	IP20		

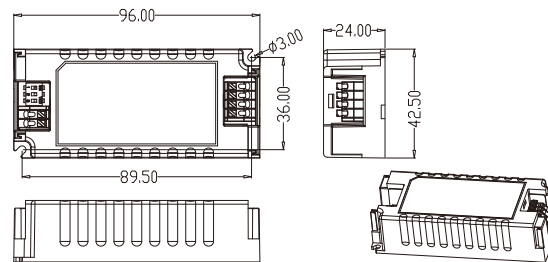
A PUSH DIMMING



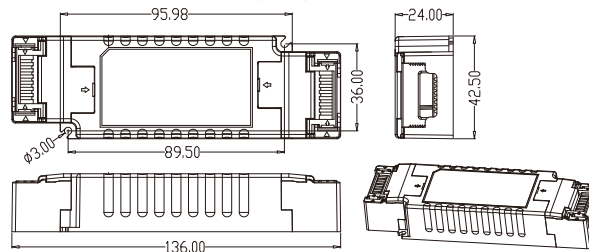
B DALI DIMMING



C Mechanical Dimension (mm)



D Mechanical Dimension (mm)



E

Output Current Setting

	1	2	3
700mA	—	—	—
750mA	ON	—	—
800mA	—	ON	—
850mA	ON	ON	—
900mA	—	—	ON
950mA	ON	—	ON
1000mA	—	ON	ON
1050mA	ON	ON	ON



FAQ

Question	Cause	Remedy
Lights will not illuminate	Incorrect wiring	Check wiring
	Driver had been turn off by push signal.	Long press push switch to recover the driver. Reset the driver by short 0-10V interface.
Lights out of synchronous	Press push switch rapidly.	Long press push button at least 15s for re-synchronization. Avoid to rapidly press push button.

Shenzhen Merrytek Technology Co.,Ltd

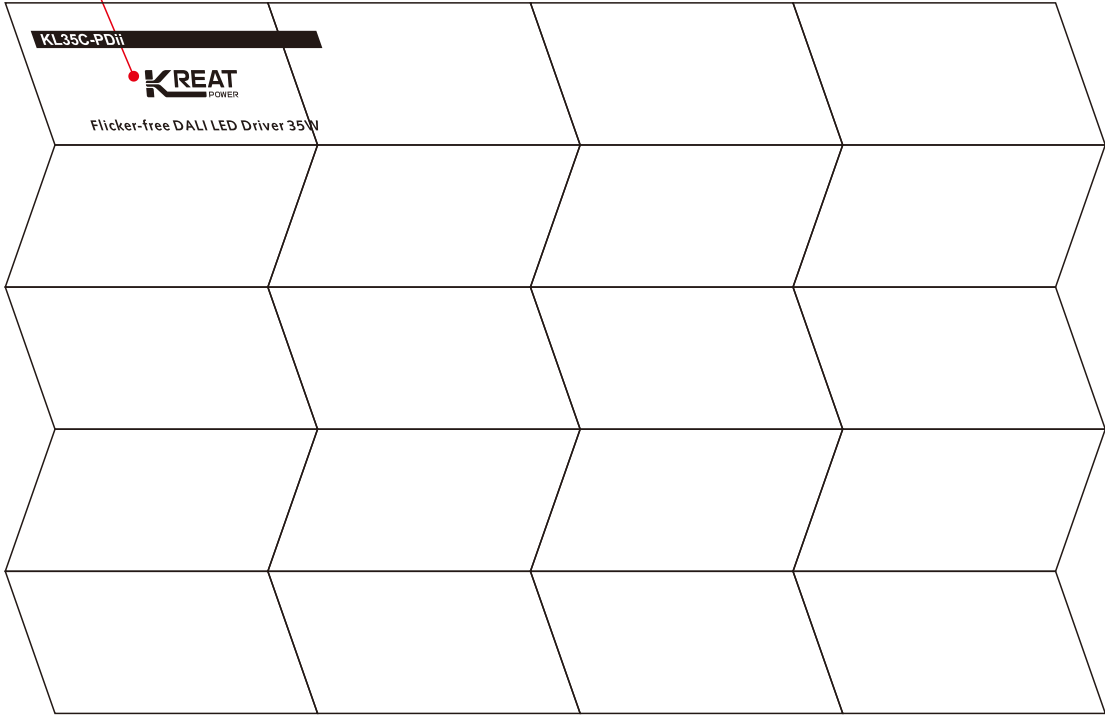
Phone:+86(755)2305 7253/59 • Fax:+86(755)2786 3012 • Email:sales@merrytek.com • www.merrytek.com
Add:Rm 101-1101, 17th Building, Dianda Guyuan Industrial Park, Mashantou Community, Matian Street, Guangming District, Shenzhen, China, 518106

87654321

File NOKF-BZD-2207-020

A

折页方式,此面朝上



B

C

D

材质要求：70G书写纸 210*295MM 黑白单面印
成品尺寸:42x74.25MM

E

±0.5°		没有指定角度可接受	
±0.4	±0.3	±0.2	±0.1
600>L>300	300>L>100	100>L>20	20>L
		没有指定公差 线性长度	

△				产品名称	DALI2电源		物料名称	说明书		视角				
△				产品型号	KL35C-PDii		物料编码	1050020001318		版本	A0	单位	mm	
△				设计	陈阳	20220720	材料		数量	1	页次	1	比例	1:1
序号	变更内容			变更人	日期	审核	深圳迈睿智能科技有限公司 ShenZhenMerrytekTechnologyCO.,LTD							
路径	\资料组\2-辅助设计\1-包装类\2-智能电源\KL35C-PDii					批准								

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