

short form data

## LED mini-dim-flash

12 & 24V inline dimmer & flasher unit



### Description

To obtain the optimum lit effect it is sometimes necessary to adjust the brightness of lighting using a dimmer switch. Dimmer switches used for conventional lighting including tungsten halogen, fluorescent, compact fluorescent and 230V lamps are unsuitable for use with LED lighting.

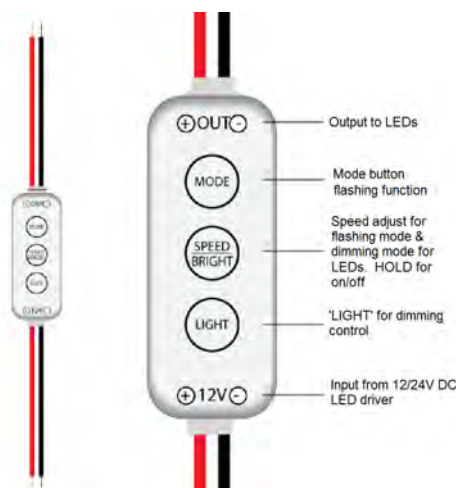
LED mini-dim-flash is a simple, reliable and economical to use, inline PWM dimmer & flasher module which is weather resistant and supplied with flying-leads for a simple 'inline' connection. Two versions are available 1) with remote handset and 2) with dimmer/flasher module only. Both comprise user controls of both brightness and flashing modes.

Using the remote handset, via the Mode + and Mode - buttons the user can adjust brightness or flashing functions. Access pre-set brightness levels 100, 50 and 25% or in smaller steps via Bright + & Bright - buttons. In flashing mode, the user can select the rate or flash via Speed - and Speed + buttons. In the event of temporary power-off / power failure, LED mini-dim-flash recalls the last selected setting and resumes the brightness / flash rate program.

- 12V & 24V depending on driver voltage
- Dimming method: Pulse Width Modulation
- 8A max load, 96W @ 12V or 192 @ 24V
- Two versions: 1) remote control + inline module and 2) inline dimmer flasher module only
- Module is weather resistant
- Simple installation & inline connection
- Remote handset: 1pce CR2032 'coin' battery



1) Version available with remote control handset



2) Version available dim / flash module only with push-buttons

### Applications

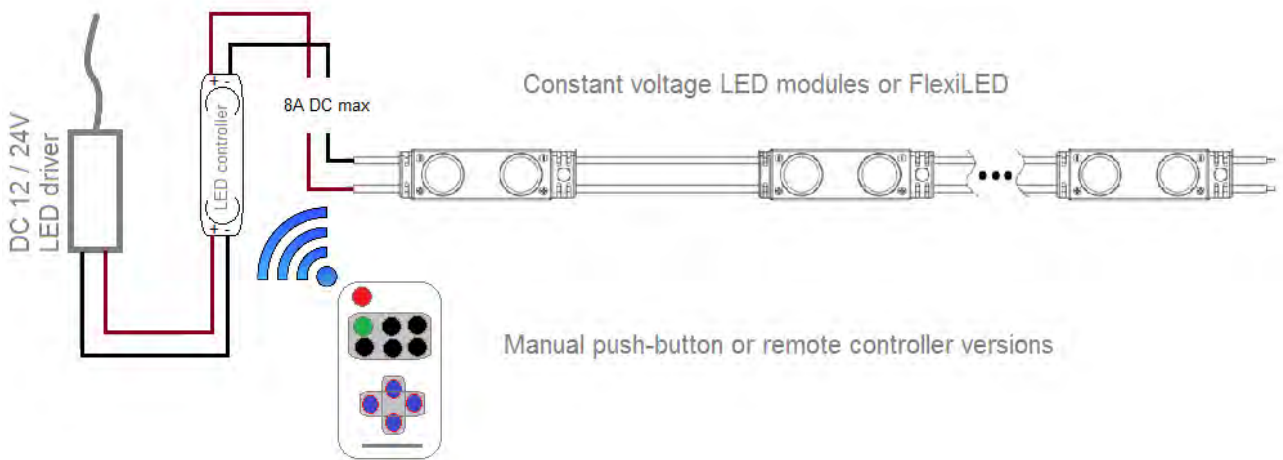
Low power, manual dimming control of 12 or 24V d.c. constant-voltage, single colour LED arrays

### Compliance

RoHS

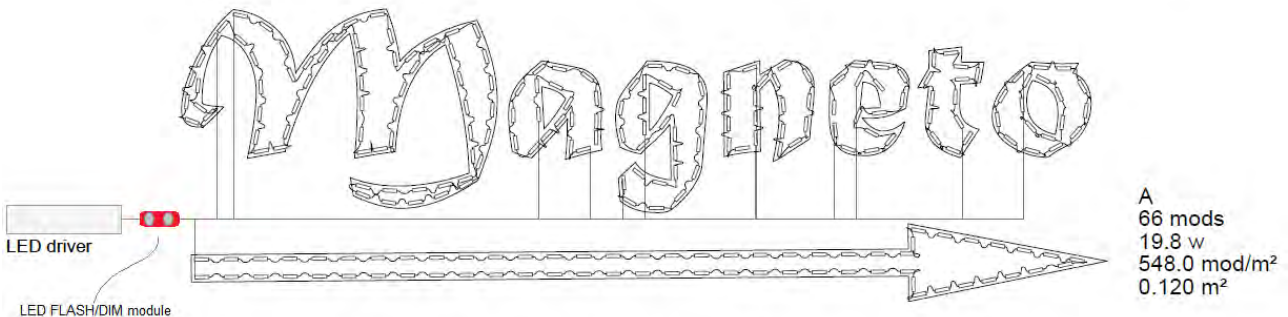
## Connections

A low-voltage power supply unit (PSU) is required and is shown in the diagram but not included with this item. Use a 12V d.c. or 24V d.c. constant voltage supply appropriate for the LED modules used.



Below is an example of a suitable illuminated sign with dimming or flashing functions provided by this unit

M	a	g	n	e	t	o
67 mods	19 mods	25 mods	19 mods	15 mods	13 mods	18 mods
20.1 w	5.7 w	7.5 w	5.7 w	4.5 w	3.9 w	5.4 w
635.0 mod/m <sup>2</sup>	659.6 mod/m <sup>2</sup>	605.6 mod/m <sup>2</sup>	672.9 mod/m <sup>2</sup>	543.0 mod/m <sup>2</sup>	696.2 mod/m <sup>2</sup>	684.6 mod/m <sup>2</sup>
0.106 m <sup>2</sup>	0.029 m <sup>2</sup>	0.041 m <sup>2</sup>	0.028 m <sup>2</sup>	0.028 m <sup>2</sup>	0.019 m <sup>2</sup>	0.026 m <sup>2</sup>



242pcs Modules: Oshino - M-LED 602 white CT tba // 72.6 module Watts / 86 circuit Watts // 0.37A  
 1pce LED driver: Oshino - PSU100/12/IP68/R // 0.397 m<sup>2</sup> halo illumination

Flying-lead connection. Do not connect with reverse polarity. Do not overload. Unsuitable for constant current PSUs and LEDs (e.g. 350mA, 700mA Super Orbis LED) operation. Avoid direct sun or weather exposure. Avoid short circuit. Connect output to load first. Use only with Oshino LED drivers which are fitted with necessary safety devices. Does not switch driver off and switching of the normal 'mains' supply to the sign must be done at the primary of the LED driver. Do **NOT** connect to the normal 'Mains' supply.

Part nos. and descriptions

- 1) **LMD1 LED mini-dim-flash module and remote handset** push-button dimmer / flasher module for 12/24V LED constant voltage modules / strip up to 8A DC max
- 2) **LMD2 LED mini-dim-flash module only inline push-button manual** dimmer / flasher module for 12/24V LED constant voltage modules / strip up to 8A DC max



Warranty: 1 year, limited | Dimensions in millimetres | Data subject to our Terms and Conditions and are liable to change without notice | E&OE | ©OSHINO 5/2016

