

MINI-CINE-LED DIMMER

User Manual



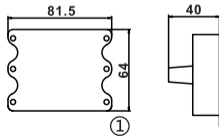
1. Features

The Mini-Cine-LED Dimmer can adjust brightness from 0% - 100% via the user-friendly rotary knob. You can adjust the PWM frequency between 300Hz and 10kHz according to your requirements. The dimmer also has the ability to allow you to change the dimming curve. Please scan QR code for up to date manuals and technical specifications.

2. Technical Specifications

working temp : -20 - +60 c
 supply voltage : 12VDC ~ 24VDC
 output : 1 channel
 connection mode : common anode
 external dimensions : 81.5mm X 64mm X 40mm
 packaging dimensions : 90mm X 70mm X 48mm
 net weight : 140g
 gross weight : 195g
 no-load power consumption : <0.7W
 output current : 10A @ 10kHz

3. Dimensions



4. Settings



- 1 - Power input: V-
- 2 - Power input: V+
- 3 - Load OutputV+
- 4 - Load Output: V-
- 5 - Power Indicator
- 6 - Output Indicator



- 1 - DIP switches for selecting PWM Frequency: 1-3
- 2 - DIP switches for selecting dimming curve: 4-5

PWM Frequency & Dimming Options:
 300Hz / 500Hz / 1kHz / 3kHz / 5kHz / 10kHz
 Please see next page for DIP switch settings

1	2	3	PWM
0	0	0	300HZ
1	0	0	500HZ
0	1	0	700HZ
1	1	0	1KHZ
0	0	1	3KHZ
1	0	1	5KHZ
0	1	1	10KHZ

FYI: Up is off. Down is on.

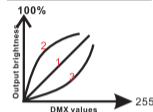
5. Wiring Instructions

Connect load (output) wire first, followed by line (input) wire. Please ensure no short circuit can occur on either the line or the load side of the dimmer.

Turn the knob to the right in order to raise the brightness level. Turn the knob to the left in order to lower the brightness level.

5.1.1 select dimming curve:

4	5	Curve
0	0	1
1	0	2
0	1	3



5. Typical Wiring



6. Non-Standard Applications

Depending on the frequency settings the Mini-Cine-LED dimmer is capable of higher output capacity than is rated on the dimmer chassis. Please see below for details and if you have any questions or concerns please contact your authorized distributor. Thank you and enjoy your dimmer!

300Hz = 30A	
500Hz = 27.5A	700Hz = 25A
1kHz = 22.5A	3kHz = 20A
5kHz = 15A	10kHz = 10A

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