

# M10B VARI-WATT DRIVERS (FCC Part 15 Subpart B Class B) COMPLIANT



**JAYKAL**

PROJECT NAME:

**JAYKAL LED SOLUTIONS, INC.**

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PROJECT NOTES:

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## OVERVIEW

This LED driver gives the installer the ability to field select the desired wattage for the fixture. Multiple output wattages are available using simple DIP switch settings.

The driver features integrated 0-10V dimming compatible with wall dimmers and controls and 12VDC Aux output for powering sensors.

## FEATURES

- ◆ DIP Switch Selectable Output Wattage (6 Presets)
- ◆ FCC Class B Compliant
- ◆ 0-10V Dimming
- ◆ 12VDC AUX Output Option
- ◆ Metal Housing



Revised 4/10/24

*Specifications are typical values and may change without notification*

**efficiency. illuminated.**



GENERAL SPECIFICATIONS	
INPUT VOLTAGE	100-277VAC 50/60Hz +/- 10%
INRUSH CURRENT	<25A
HARMONICS (NOMINAL CONDITIONS)	Fully complies with EN61000-3-2
THD	<20%
INPUT CURRENT PROTECTION	Fuse (Internal)
FLICKER RATE	Meets or Exceeds IEEE Standard 1789-2015
CONTINUOUS FULL RANGE DIMMING	100% - 10% of full power (standard configuration), minimum 40W Analog dimming current draw 1.5mA per fixture. Maximum number of fixtures =sensor current / 1.5mA
POWER FACTOR	>0.9
OPERATING TEMPERATURE RANGE	-20°C to +50°C / -4°F to 122°F
OPERATING HUMIDITY	10 to 90% RH Non-Condensing
SURGE PROTECTION SPECIFICATION	L-N 1KV, LN-G 2KV
SELF-PROTECTION MECHANISM	Overvoltage protection/Short-Circuit protection/Open-Circuit protection
DIM TO OFF	Yes (for specified 0-10V dimmer only)
MAXIMUM CASE TEMPERATURE (Tc)	85°C / 185°F
FCC COMPLIANCE	FCC Part 15 Subpart B Class B

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MODEL JLS-DM10B-M1-1015-[MCCT,BLANK]-[12V,BLANK]-[S,FF]-4 (10W,11W,12W,13W,14W,15W) (M1)						
Wattage Settings	10W	11W	12W	13W	14W	15W
Input Voltage	100-277VAC 50/60Hz					
Input Current (Max)	0.11A@100V	0.12A@100V	0.13A@100V	0.14A@100V	0.15A@100V	0.16A@100V
Power Factor	>0.9					
THD @ 120V 60Hz (%)	<20%					
Efficiency @ 100-277V 60Hz (%)	87% at full load					
Output Voltage	DC 25-42V					
Output Current	230mA +/-5%	250mA +/-5%	275mA +/-5%	295mA +/-5%	310mA +/-5%	340mA +/-5%
Protection	Open protection / Short protection / Overvoltage protection					
FCC Compliance	FCC Part 15 Subpart B Class B					

MODEL JLS-DM10B-M2-2030-[MCCT,BLANK]-[12V,BLANK]-[S,FF]-4 (20W,22W,24W,26W,28W,30W) (M2)						
Wattage Settings	20W	22W	24W	26W	28W	30W
Input Voltage	100-277VAC 50/60Hz					
Input Current (Max)	0.22A@100V	0.24A@100V	0.26A@100V	0.28A@100V	0.31A@100V	0.33A@100V
Power Factor	>0.9					
THD @ 120V 60Hz (%)	<20%					
Efficiency @ 100-277V 60Hz (%)	87% at full load					
Output Voltage	DC 25-42V					
Output Current	460mA +/-5%	500mA +/-5%	550mA +/-5%	600mA +/-5%	640mA +/-5%	680mA +/-5%
Protection	Open protection / Short protection / Overvoltage protection					
FCC Compliance	FCC Part 15 Subpart B Class B					

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MODEL JLS-DM10B-M3-3350-[MCCT,BLANK]-[12V,BLANK]-[S,FF]-4 (33W,36W,38W,40W,44W,50W) (M3)						
Wattage Settings	33W	36W	38W	40W	44W	50W
Input Voltage	100-277VAC 50/60Hz					
Input Current (Max)	0.36A@100V	0.4A@100V	0.42A@100V	0.44A@100V	0.48A@100V	0.55A@100V
Power Factor	>0.9					
THD @ 120V 60Hz (%)	<20%					
Efficiency @ 100-277V 60Hz (%)	87% at full load					
Output Voltage	DC 25-42V					
Output Current	750mA +/-5%	820mA +/-5%	870mA +/-5%	910mA +/-5%	1000mA +/-5%	1140mA +/-5%
Protection	Open protection / Short protection / Overvoltage protection					
FCC Compliance	FCC Part 15 Subpart B Class B					

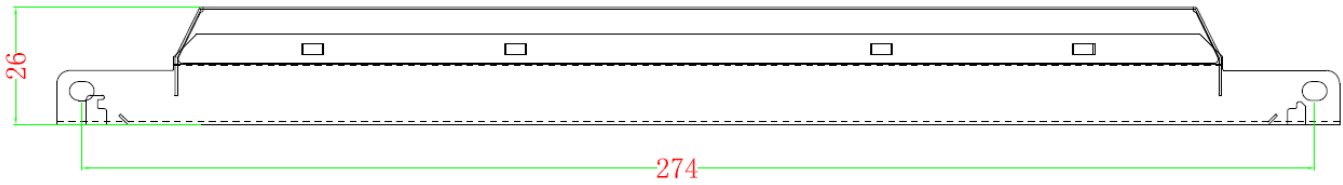
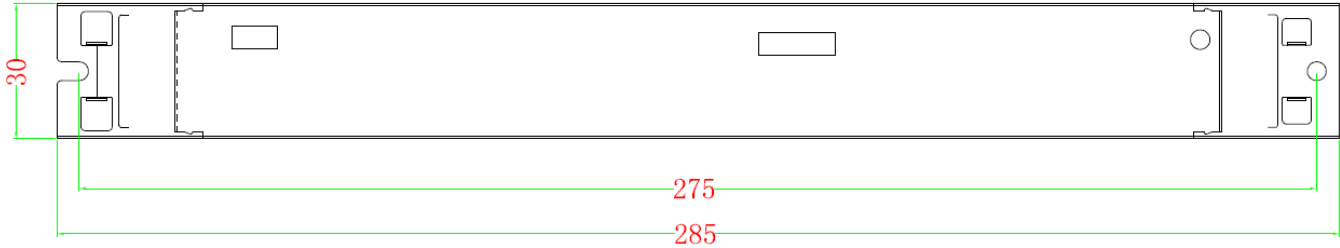
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DIMENSIONS

Unit : mm



Product	Length End to End (in.)	Mounting Center (in.)	Height (in.)	Width (in.)
JLS-DM10B-M1-1015-MCCT-12V-S-4	11.22	10.82	1.02	1.18
JLS-DM10B-M2-2030-MCCT-12V-S-4				
JLS-DM10B-M3-3350-MCCT-12V-S-4				

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