

AMALTHEA SERIES (ADDITIONAL LINE)

Amalthea Series

Compact low-wattage drivers for small loads.

Amalthea covers small loads: compact, fully insulated plastic drivers from 9 to 36W for display cases, under-cabinet runs and small LED modules. Constant voltage at 12V or 24V with a 3-year warranty.

POWER	OUTPUT
9 to 36W	12V, 24V
INPUT	RATING
100-240VAC	Indoor installations
HOUSING	WARRANTY
Fully insulated plastic	3 years



Small and light	Fully insulated case	Right-sized for small loads	3-year warranty
From 87.5mm long and 62g, it fits where larger drivers will not.	Plastic enclosure with no exposed metal.	9, 15 and 36W so small runs are not over-powered.	Constant-voltage output at 12V or 24V.

Models

MODEL	POWER	OUTPUT	CONFIGURATION	EFF. (TYP.)	SIZE L X W X H (MM)	WEIGHT
LZ9-0120075-BU00	9W	12VDC	1 x 0.75A	80%	87.5 x 40 x 25	62 g
LZ9-0240038-BU00	9W	24VDC	1 x 0.375A	80.5%	87.5 x 40 x 25	62 g
LZ15-0120125-BU00	15W	12VDC	1 x 1.25A	81%	107.5 x 45 x 25	85 g
LZ15-0240625-BU00	15W	24VDC	1 x 0.625A	81.5%	107.5 x 45 x 25	85 g
LZ36-0120300-BU00	36W	12VDC	1 x 3A	82.5%	140 x 41 x 28	182 g
LZ36-0240150-BU00	36W	24VDC	1 x 1.5A	83%	140 x 41 x 28	182 g

Specifications

INPUT		PROTECTION	
Rated input voltage	100-240VAC	Over-current	100-130%, constant current limiting, auto-recovery
Input voltage range	90-264VAC	Short circuit	Hiccup mode, auto-recovery
Frequency	47-63Hz	Over-voltage	13.2-15V (12V) / 26.4-35V (24V), shutdown
Power factor	0.8 or higher at 115VAC (9/15W); 0.95 or higher at 115VAC (36W)	Over-temperature	Shutdown, re-power to recover
Leakage current	Less than 0.75mA	ENVIRONMENT	
OUTPUT		Operating temperature (case)	-25 to +60°C
Mode	Constant voltage	Maximum case temperature	+90°C
Output voltage	12VDC or 24VDC	Operating humidity	20-95% RH, non-condensing
Voltage accuracy	±3%	Storage temperature	-40 to +80°C
Ripple and noise	350mV (9W); 120mV (12V) / 240mV (24V) for 15/36W		
Line regulation	±1%		
Load regulation	±2%		

SAFETY AND EMC

Safety (per datasheet)	UL 8750, UL 60950
EMC	FCC Part 15B
Withstand voltage	Input-output 3.75kVAC
Insulation resistance	100MΩ at 500VDC

Certifications

- **UL 8750 and UL 60950** Per manufacturer datasheet
- **FCC Part 15B**

Application notes

- Rated input is 100-240VAC. Amalthea is not for 277V circuits.

Installation

Install by qualified personnel per the NEC and local codes. Ground metal housings reliably to earth. Load to 80% of rated output or less and match the LED voltage and polarity. Run each Class 2 output as a separate circuit; do not parallel outputs. Allow ventilation and stay within the rated temperature range. Use wet-rated connections in damp and wet locations. Do not open or repair the unit.

RELIABILITY AND MECHANICAL

MTBF	30,000 h or more (MIL-HDBK-217F, 25°C)
Housing	Fully insulated plastic
Warranty	3 years

Applications

- Display cases
- Under-cabinet lighting
- Small LED modules
- Shelving and millwork
- Accent lighting

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Specifications are typical at 25°C and subject to change without notice. Ratings per certified manufacturer data. Jovian Power is an assumed name of Planet J LLC.