LED Constant Voltage Magnetic Driver - Phase Dimmable 12/24VDC
Model Numbers: FLM-XXXW-277/12V-LED, FLM-XXXW-277/24V-LED

20/40W
5.60" x 2.10" x 2.10"

60W
6.62" x 2.33" x 2.58"

96W / 100W
150W / 200W
9.24" x 3.11" x 2.88"

300W
9.80" x 4.20" x 3.50"

cETLus Intertek

UL MX -NOM

DIMMABLE

RoHS Compliant   277VAC   CLASS 2   12 / 24VAC

Installation	Integrated Junction Box with Multiple 7/8" Knock-Outs
Driver Types	Class 2 and Higher Power Single Channel Options
Dimming	Phase Dimmable with Leading (Forward) Edge MLV TRIAC Drimmer Only
Input Voltage	277VAC, 50/60Hz
Output Voltage	12VDC or 24VDC
Environmental	Dry and Damp
Listing	ETL Listed
Certifications	Conforms to UL8750, C22.2 NO. 223
Warranty	2-Year Warranty

INFORMATION

The FLM Series is the most compact magnetic core dimmable LED driver on the market, making it the perfect choice for tape lighting, tube lighting, linear lighting and multiple other residential and commercial lighting applications. Encased in a high-quality metal enclosure that includes multiple 7/8" knock-outs for easy installation, each unit is equipped with circuit breakers to protect both the driver and the LED load. All of our magnetic LED drivers are phase dimmable with a standard leading edge MLV TRIAC dimmer.

ORDERING GUIDE - 277VAC MANUAL RESET BREAKERS

M	L	DC 277	Example: FLM-20W-277/12V-LED		
Type	**Max Power**		**Input**	**Output**	**Type**
FLM-Magnetic	**20**[1] — 20W (Class 2)		**277** — 277VAC	**12** — 12VDC	LED
	40[1] — 40W (Class 2)			**24** — 24VDC	
	60[1] — 60W (Class 2)				
	96[1,2] — 96W (Class 2)				
	100[3] — 100W				
	150 — 150W				
	200 — 200W				
	300 — 300W				

[1]Class 2
[2]24VDC Only
[3]12VDC Only

3D MODULE, LINE DRAWING AND DIMENSIONS

Dimensions	20W / 40W	60W	96W / 100W 150W / 200W	300W
Length	5.60" (142.2mm)	6.62" (168.00mm)	9.24" (234.8mm)	9.80" (248.9mm)
Width	2.10" (53.34mm)	2.33" (59.10mm)	3.11" (79.1mm)	4.20" (106.7mm)
Height	2.10" (53.34mm)	2.58" (65.60mm)	2.88" (73.4mm)	3.50" (88.9mm)

HEIGHT

WIDTH

LENGTH
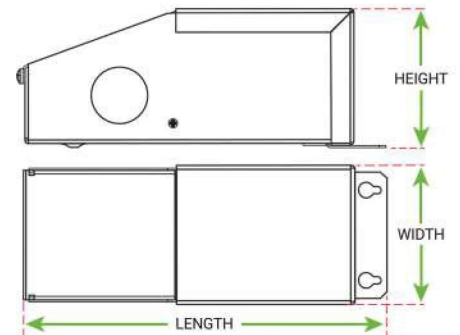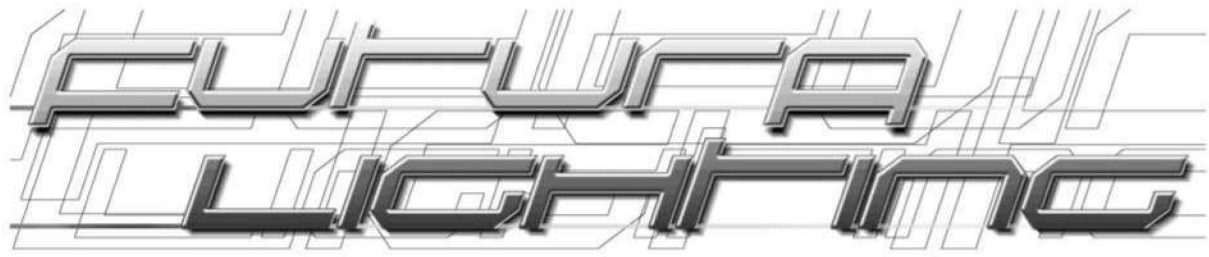
Specifications

Input

Input Voltage Range	277VAC ± 5%						
Input Frequency	50 / 60Hz	50 / 60Hz	50 / 60Hz	50 / 60Hz	50 / 60Hz	50 / 60Hz	50 / 60Hz
Input Current	0.31A (12VDC) 0.32A (24VDC)	0.51A (12VDC) 0.41A (24VDC)	0.76A (12VDC) 0.95A (24VDC)	0.96A	1.95A (12VDC) 0.95A (24VDC)	2.13A (12VDC) 2.51A (24VDC)	2.86A (12VDC) 2.86A (24VDC)
Efficiency	76% (12VDC) 78.4% (24VDC)	72.5% (12VDC) 80% (24VDC)	78.8% (12VDC) 84% (24VDC)	84.3%	80% (12VDC) 80% (24VDC)	87% (12VDC) 81.9% (24VDC)	90% (12VDC) 90% (24VDC)
Power Factor	0.81 (12VDC) 0.92 (24VDC)	0.88 (12VDC) 0.89 (24VDC)	0.84 (12VDC) 0.82 (24VDC)	0.89	0.93 (12VDC) 0.93 (24VDC)	0.92 (12VDC) 0.93 (24VDC)	0.93 (12VDC) 0.93 (24VDC)

Output

Max Load	20W	40W	60W	96W	150W	200W	300W
Output Voltage @ Max Load	12.0 VDC 24.0 VDC	12.0 VDC 24.0 VDC	12.0 VDC 24.0 VDC	24.0 VDC	12.0 VDC 24.0 VDC	12.0 VDC 24.0 VDC	12.0 VDC 24.0 VDC
Output Current @ Max Load	1.90A (12VDC) 0.97A (24VDC)	3.96A (12VDC) 1.72A (24VDC)	5.00A (12VDC) 2.56A (24VDC)	4.00A	13.3A (12VDC) 13.3A (24VDC)	15.6A (12VDC) 10.9A (24VDC)	20.8A (12VDC) 20.8A (24VDC)

Environmental

Operating Temperature	-30°C - +50°C (-22°F - 122°F)

Dimming

Minimum Dimming Level	1%

Protection

Circuit Breaker	Secondary Manual Push to Reset

Mechanical Housing

Primary Leads	18 AWG	18 AWG	18 AWG	18 AWG	18 AWG	18 AWG	18 AWG
Secondary Leads	16 AWG (12VDC) 18 AWG (24VDC)	16 AWG (12VDC) 18 AWG (24VDC)	14 AWG (12VDC) 16 AWG (24VDC)	14 AWG	12 AWG (12VDC) 14 AWG (24VDC)	12 AWG	12 AWG
Length	5.60" (142.2mm)	5.60" (142.2mm)	6.62" (168.00mm)	9.24" (234.8mm)	9.24" (234.8mm)	9.24" (234.8mm)	9.80" (248.9mm)
Width	2.10" (53.34mm)	2.10" (53.34mm)	2.58" (65.60mm)	3.11" (79.0mm)	3.11" (79.0mm)	3.11" (79.0mm)	4.20" (106.7mm)
Height	2.10" (53.34mm)	2.10" (53.34mm)	2.33" (59.10mm)	2.88" (73.15mm)	2.88" (73.15mm)	2.88" (73.15mm)	3.50" (88.9mm)
Weight	2 lbs.	2 lbs.	3 lbs.	7 lbs.	7 lbs.	8 lbs.	8 lbs.
Housing Material	Coated Metal	Coated Metal	Coated Metal	Coated Metal	Coated Metal	Coated Metal	Coated Metal
Housing Color	Black	Black	Black	Black	Black	Black	Black
Junction Box	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mounting	Two-hole flange mount						

Approval Markings

Certificates/Approval Signs	ETL Listed Conforms to UL8750