

4 POWER SUPPLY REQUIREMENTS

4.1 Electrical Specifications

Description and Nominal Power Input	DDM 109/112/119/119NR, 12.5W	DDM 109/112/119/119NR, 20W
Input Voltage	12V DC	12V DC
Nominal Current Input	12.5W: 0.96A	20W: 1.7A
Power Supply Classification	Class 2	Class 2

IMPORTANT

The Dynamic Dimming Module has on-board drive electronics, including dimming. A dimming driver should NOT be used.

4.2 Recommended Power Supplies (Constant Voltage)

Manufacturer	Part Number	Rated Power	Input Voltage	Number of 12.5W Modules Tested	Number of 20W Modules Tested
Mean Well	LPV-20-12	20W	90V - 264V	1	0
Excelsys Technologies	LXV25-012SW	25W	120V - 277V	1	0
Inventronics	EUV-025S012PS	25W	120V - 277V	1	0
Thomas Research	LED25W-12	25W	120V - 277V	1	0
Mean Well	IRM-30-12ST	30W	90V - 264V	2	1
Mean Well	LPV-35-12	35W	90V - 264V	2	1
Roal	Strato RSLP035-12	36W	120V - 277V	1	1
Thomas Research	LED40W-12	40W	120V - 277V	2	1
Mean Well	IRM-45-12ST	45W	90V - 264V	3	2
Roal	RSLP070-12	48W	120V - 277V	2	1
Excelsys Technologies	LXV50-012SW	50W	120V - 277V	2	1
Inventronics	EUV-050S012ST	50W	120V - 277V	2	1
Thomas Research	LED50W-12	50W	120V - 277V	2	1
Mean Well	IRM-60-12ST	60W	90V - 264V	4	3
Mean Well	LPV-60-12	60W	90V - 264V	3	2

CAUTION:

- Using a constant current power supply will damage the module, and will void the Lumenetix warranty.
- Using a triac or dimming driver will damage the module, and will void the Lumenetix warranty.
- If a recommended power supply from the above list is not used, it will void the Lumenetix warranty.
- The power supply MUST be evaluated with the module(s) that it will be operated with.

NOTES:

- Recommendations are subject to change. Consult your Lumenetix representative for the most updated list.
- Power supply qualification process: if a power supply that is not part of the above list is submitted for testing to Lumenetix (during the design-in phase), it will be qualified or disqualified within two weeks of submission.