

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, 18W	DDM 109/112/119/119NR, 25W
Input Voltage	24V DC	24V DC	24V DC
Nominal Current Input	12.5W: 0.52A	18W: 0.75A	25W: 1.04A
Power Supply Classification	Class 2	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	Number of 18W Modules	Number of 25W Modules
Mean Well	IRM-30-24ST	30W	90V - 264V	2	1	1
LTF	DA35W24VBF-000	35W	120V	2	1	1
Mean Well	LPV-35-24	35W	90V - 264V	2	1	1
LTF	DA40W24VOCND-0000	40W	120V	2	2	1
Thomas Research	LED40W-24	40W	120V - 277V	2	2	1
Inventronics	EUV-042S024PS	42W	120V - 277V	2	2	1
Mean Well	IRM-45-24ST	45W	90V - 264V	3	2	1
Aceleds	AC-A50V24H2.1C	50W	120V - 277V	3	2	1
Excelsys Technologies	LXV50-024SW	50W	120V - 277V	3	2	1
Inventronics	EUV-050S024ST	50W	120V - 277V	3	2	1
Thomas Research	LED50W-24	50W	120V - 277V	3	2	1
Mean Well	IRM-60-24ST	60W	90V - 264V	4	3	2
Mean Well	LPV-60-24	60W	90V - 264V	4	3	2
Mean Well	SGA60U24	60W	90V - 264V	4	3	2
Philips Advance	LEDINTA0024V28F0	67W	120V - 277V	4	3	2
Excelsys Technologies	LXV75-024SW	75W	120V - 277V	5	3	2
Thomas Research	PLED75W-024	75W	120V - 277V	5	3	2
Osram	OT96W/24/UNV	96W	120V - 277V	7	4	3
Excelsys Technologies	LXV100-024SW	100W	120V - 277V	7	5	3
Mean Well	LPV-100-24	100W	90V - 264V	7	5	3
Philips Advance	LEDINTA0024V4IF0	100W	120V - 277V	7	5	3

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.