

## 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.