

## 4 POWER SUPPLY REQUIREMENTS

### 4.1 Electrical Specifications

Description and Nominal Power Input	CTM 109/112/119/119NR, 12.5W	CTM 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 Color Tuning 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.