

3 ELECTRICAL SPECIFICATIONS

3.1 Electrical Specifications (araya⁵ LOGIC MODULE)

Input Voltage	24V DC (Constant Voltage)
Nominal Power Input	30W, 40W, 60W, and 80W
Nominal Current Input	1.25A (30W); 1.7A (40W); 2.5A (60W); 3.3A (80W)
Power Supply Classification	Class 2
Power and Control Connector	Power Connector: Molex 5023520200; Control Connector: Molex 874380743
Ribbon Cable Connector (supplied by third parties)	TE Micro-Match 215460-4 (requires TE mating connector 2-215083-0)
Control Options ¹	0–10V, DMX512-A-RDM ² , Bluetooth Low Energy, Lutron [®] EcoSystem
CCT and Dimming Control Connections	Plug-in connector for 24 gauge leads

1. DMX512-A-RDM or Lutron EcoSystem control compatibility requires optional accessory board.

2. Remote Device Management or RDM is a protocol enhancement to DMX512-A that allows bi-directional communication between a lighting or system controller and attached RDM compliant devices over a standard DMX line.

IMPORTANT

The araya⁵ Logic Module (ALM) has on-board drive electronics, including dimming. A dimming driver should NOT be used.

3.2 Recommended Power Supplies (Constant Voltage)

Manufacturer	Part Number	Rated Power	Input Voltage	1' array (10W)	2' array (20W)	3' array (30W)	4' array (40W)	5' array (50W)	6' array (60W)	7' array (70W)	8' array (80W)
LTF	DA40W24V LSD010	40W	120V / 277V	✓	✓						
LTF	DS40W24VSLD010	40W	120V - 305V	✓	✓						
Magtech	ESL-1048-24	48W	120V - 277V	✓	✓						
Meanwell	LPV-60-24	60W	120V - 264V	✓	✓	✓	✓	✓	✓		
Philips Advance	LED-INTA-0024V-28-F-0	67W	120V - 277V	✓	✓	✓	✓				
Roal	Strato RSLP070-24	70W	120V - 230V	✓	✓	✓	✓	✓	✓		
Meanwell	LPF-90-24	90W	120V - 305V	✓	✓	✓	✓	✓	✓	✓	✓
Osram	OT96W/24/UNV	96W	120V - 277V	✓	✓	✓	✓				
Amperor	ANP101-24P-12774160L	100W	220V - 240V	✓	✓	✓	✓	✓	✓	✓	✓
Magtech	K2-U24	100W	120V - 277V	✓	✓	✓	✓				
Philips Advance	LED-INTA-0024V-41-F-0	100W	120V - 277V	✓	✓	✓	✓				

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.