

### 3 ELECTRICAL SPECIFICATIONS

#### 3.1 Electrical Specifications (araya<sup>5</sup> 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 <sup>1</sup>	0–10V, DMX512-A-RDM <sup>2</sup> , Bluetooth Low Energy, Lutron <sup>®</sup> 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 araya<sup>5</sup> 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	18W array	20W array	23W array	30W array	50W array	60W array
LTF	DA40W24V LSD010	40W	120V - 277V	✓	✓	-	-	-	-
LTF	DS40W24VSLD010	40W	90V - 305V	✓	✓	-	-	-	-
Roal	Strato RSLP070-24	70W	120V - 230V	✓	✓	✓	✓	✓	✓
Meanwell	LPF-90-24	90W	120V - 305V	✓	✓	✓	✓	✓	✓
Amperor	ANP101-24P-12774160L	100W	220V - 240V	✓	✓	✓	✓	✓	✓

#### 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.