3 ELECTRICAL SPECIFICATIONS

3.1 Electrical Specifications (araya® 5 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****	0–10V, DMX512-A-RDM², Bluetooth Low Energy, Bluetooth Mesh***, Lutron® EcoSystem, DALI Type 8
CCT and Dimming Control Connections	Plug-in connector for 24 gauge leads

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****DMX512-A-RDM, Lutron EcoSystem or DALI Type 8 control compatibility requires optional accessory board.

NOTE: 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	18W array	20W array	23W array	30W array	50W array	60W array
LTF	DA40W24V LSD010	40W	120V - 277V	✓	✓	-	-	-	-
LTF	DS40W24VSLD010	40W	90V - 305V	✓	✓	-	-	-	-
Meanwell	LPF-60-24	60W	120V - 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.