ANDROMEDA LC Series

Fixture Construction
- Surface mounted LED striplight measures only 0.47" wide and 0.27" high
- Striplight consists of LED circuit board inside lensed acrylic housing
- Available in 12" and 3" modules, allowing run lengths to be created in increments of 3"
- Male/female connectors allow for quick electrical connection of modules
- Available with variety of mounting options to suit wide array of applications
- Seamless design of LED modules creates no gaps in light
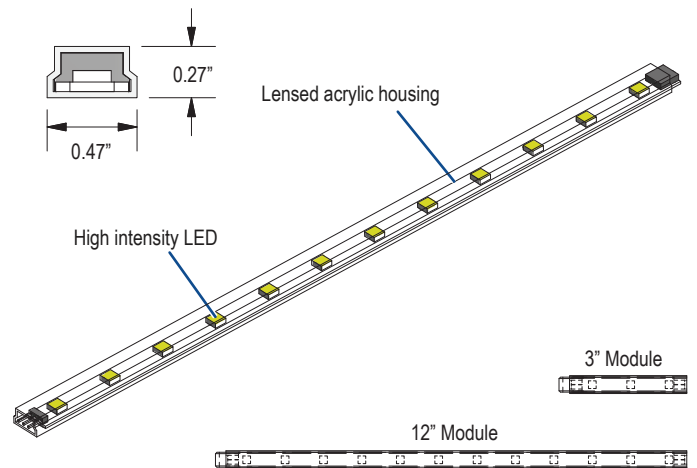
Optical Characteristics
- 2900K LEDs emulate halogen light
- LEDs contain Cree chips
- Produces 160 lumens per foot
- LEDs spaced 1.0" on center (12 LEDs on 12" module, 3 LEDs on 3" module)
- 120° wide beam angle of LED creates even illumination
- Tight color-binning of LEDs ensures uniformity of color
- Emits no UV or IR

Electrical Specifications
- Consumes only 2.5W per foot
- Runs on 24V AC (Use with available Power Supply)
- Dimmable with most standard magnetic low voltage dimming systems
- Maximum run length is 30 feet per feed point
- ETL Listed for Dry and Damp location
- Certified for closet light applications in accordance with NEC Code, Section 410.16
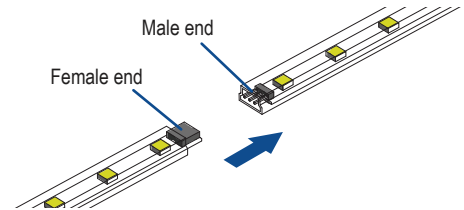
Heat Management and Rated Life
- LEDs operate on low current of 0.1 Amp per foot
- Low current generates minimal heat, preserving LED life without need for elaborate heat sink
- Rated life is 50,000 hours, with minimum 70% lumen maintenance, when used in normal environmental conditions
- Long life results in low maintenance and replacement costs
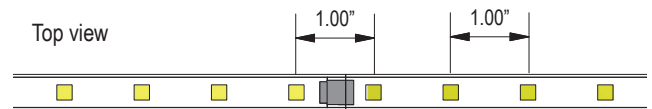- Produces no radiant heat; optimal for heat-sensitive applications

0.27"

0.47"

Lensed acrylic housing

High intensity LED

3" Module

12" Module

Quick-Connect System
Built-in male / female connectors make electrical connection of modules quick and easy.

Male end

Female end

Seamless Illumination
Consistent LED spacing is maintained when modules are connected together, creating even light without dark spots.

Top view   1.00"   1.00"

How to Specify ANDROMEDA LC Series

1. Specify LED module	
AND - LC - W29 -12	Andromeda LC Series 2900K 12" module
AND - LC - W29 - 3	Andromeda LC Series 2900K 3" module

2. Specify mounting option	
AND - LC - AT	Adhesive tape *
AND - LC - MC	Mounting clip
AND - LC - CC	Corner channel
AND - LC - AC - SAT	Aluminum channel - satin aluminum finish
AND - LC - AC - SBK	Aluminum channel - satin black finish
AND - LC - AC - CST	Aluminum channel - custom finish**

* Mounting surface must be clean and dry. Not recommended for drywall or rough or uneven surfaces.
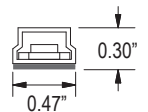
** Consult factory for custom finishes on aluminum channel, including: polished aluminum, polished brass, brushed aluminum, brushed brass, brushed black, brushed copper, or various powder coat finishes. Color matching available.
Minimum quantities may apply.

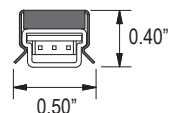## Mounting Options
Select a mounting method (required)

Adhesive Tape
- Ideal for cornices and small coves
- High-bond adhesive
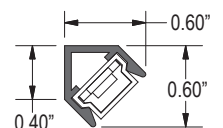

0.30"

0.47"

Mounting Clip
- For mounting in any orientation
- Ideal for under-counter, undercabinet, toe-kick, backlight as well as coves, niches and wall slots
- Steel material
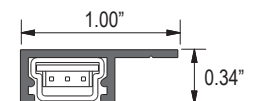- Included: 2 per 12" module, 1 per 3" module

0.40"

0.50"

Corner Channel
- Ideal for displays and showcases
- Grey PVC
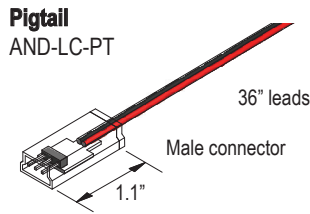- Includes Adhesive Tape for mounting. Use screws as necessary
- Order in 5ft lengths

0.60"

0.60"

0.40"

Aluminum Channel
- Ideal for shelves and bookcases
- Available in variety of finishes
- Order in 5ft lengths

1.00"

0.34"

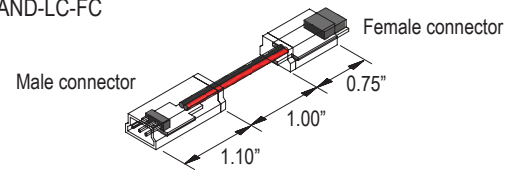## Accessories

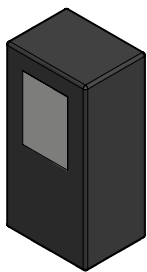### Pigtail
AND-LC-PT

36" leads

Male connector

1.1"

Each pigtail has one male connector. Use to provide leads on female end of module. This fixture is designed to be fed from female end. Install first module of run so female end is closest to power supply.

Flexible Connector
AND-LC-FC

Female connector

Male connector

0.75"

1.00"

1.10"

Each flexible connector has one male connector and one female connector. Use to connect modules at corners.

Power Supplies

Ratings
Input: 120VAC or 277VAC 50/60Hz
Output: 24VAC
Output current: 4 Amps per output circuit
Maximum output power: 100W or 300W
Overload protection: Automatic shut-down / reset
Enclosure: NEMA 3R, with conduit knockouts
Operating temperature: -30° to 60° Celsius
Certification: ETL Listed Class 2 Power Supply
Dimming: Compatible with most standard magnetic low-voltage dimmers, wired to input side

Mount to secure surface in accessible area with adequate ventilation.
To minimize volatage drop, install power supply within 20ft of start of LED strip using 12 gauge lead wire,
40ft using 10 gauge, or 100ft using 8 gauge.
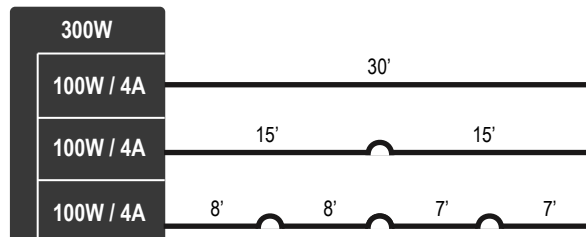
Ordering Codes

Item Number	Watts	Volts	Outputs	Dimensions	Weight
APS-120-100	100 W	120VAC to 24VAC	1 X 4A	6.75" H x 6.25" W x 4.75" D	11 lbs
APS-277-100	100 W	277VAC to 24VAC	1 X 4A	6.75" H x 6.25" W x 4.75" D	11 lbs
APS-120-300	300 W	120VAC to 24VAC	3 X 4A	6.75" H x 6.25" W x 4.75" D	12 lbs
APS-277-300	300 W	277VAC to 24VAC	3 X 4A	6.75" H x 6.25" W x 4.75" D	15 lbs

---

How to Feed ANDROMEDA LC Series (Maximum 30ft per run)

100W Power Supply
Feeds up to 30ft

100W / 4A
30'

300W Power Supply
Feeds up to 90ft total (30ft per 100W output)

300W
100W / 4A — 30'
100W / 4A — 15' 15'
100W / 4A — 8' 8' 7' 7'

Multiple groups of modules may be daisy-chained together, so long as total length of run does not exceed 30ft.