

Project:	Type:
Product Code:	Date:

V012424

Linear



Our newest home illumination solution for custom integrators, designed to provide a premium-performance, easy-to-install alternative to traditional linear.

CURATED COLOR & DIMMING 192 high-efficacy LEDs per foot deliver perfect blending and color that integrates seamlessly with our downlight products.

SIMPLIFIED ORDERING Our portal configurator allows you to easily calculate by project specifications or purchase individual components.

EASY INSTALLATION & SERVICEABILITY Simple magnetic connections with no soldering required. A modular design allows you to service just one component, not the entire run.

PHYSICAL

Mounting

Surface Mount:
Flat Field-Cuttable Mounting Track
45° Field-Cuttable Mounting Track
Mounting Tracks may be recessed in Millwork

Dimensions

1/2" x 1/2" Profile

Finish

Black Anodized

Run Length

Min. 3' per Driver
Max. 20' per Driver

OPTICAL

Delivered Lumens (Power)

360lm/ft (4W)

Color Quality

95 CRI

Color Temperature

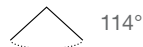
Default:

● Warm Dim (3000K–1800K)

User Selectable:

● 2000K ● 2700K ● 3000K

Beam Spread



ELECTRICAL & CONTROLS

Input Voltage

Fixture: 48VDC
Driver: 100-277VAC

Dimming

TRIAC/ELV (0.5%)

Home Run Length

Max. 200' with 16/2 Wire
Max. 75' with 18/2 Wire

RATINGS

● UL Listed for Damp Location

● Closet Rated (Per NEC)

WARRANTY

5 year limited warranty; 50,000 hours



PRODUCT BUILDER

ORDERING DETAILS

Fixture Kit: Order one Fixture Kit for every 10' of fixtures in your project

Mounting Tracks: Order one Mounting Track Kit for every Fixture Kit you order

Driver: A minimum of 3' and maximum of 20' of fixtures can be connected to one Driver

FIXTURE KIT

ART05L-1203WD10	Linear Kit <i>(Mounting Track Kit & Driver required for installation, sold separately)</i> <i>Includes: 12" Fixture Segment with Middle Connector (10), 2" Fixture Segment (4), 1" Fixture Segment (1), Input Connector (2), Middle Connector (3), Dead End Cover (1), 24" Jumper (1), 6" Jumper (1)</i>
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MOUNTING TRACKS

ART05L-FL03	Linear Flat Mounting Track Kit <i>Includes: 48" Flat Mounting Track (3), No.4 ½" Phillips Flat Head Wood Screws (30), Track Alignment Tool (1)</i>
ART05L-4503	Linear 45° Mounting Track Kit <i>Includes: 48" 45° Mounting Track (3), No.4 ½" Phillips Flat Head Wood Screws (30), Track Alignment Tool (1)</i>

DRIVER

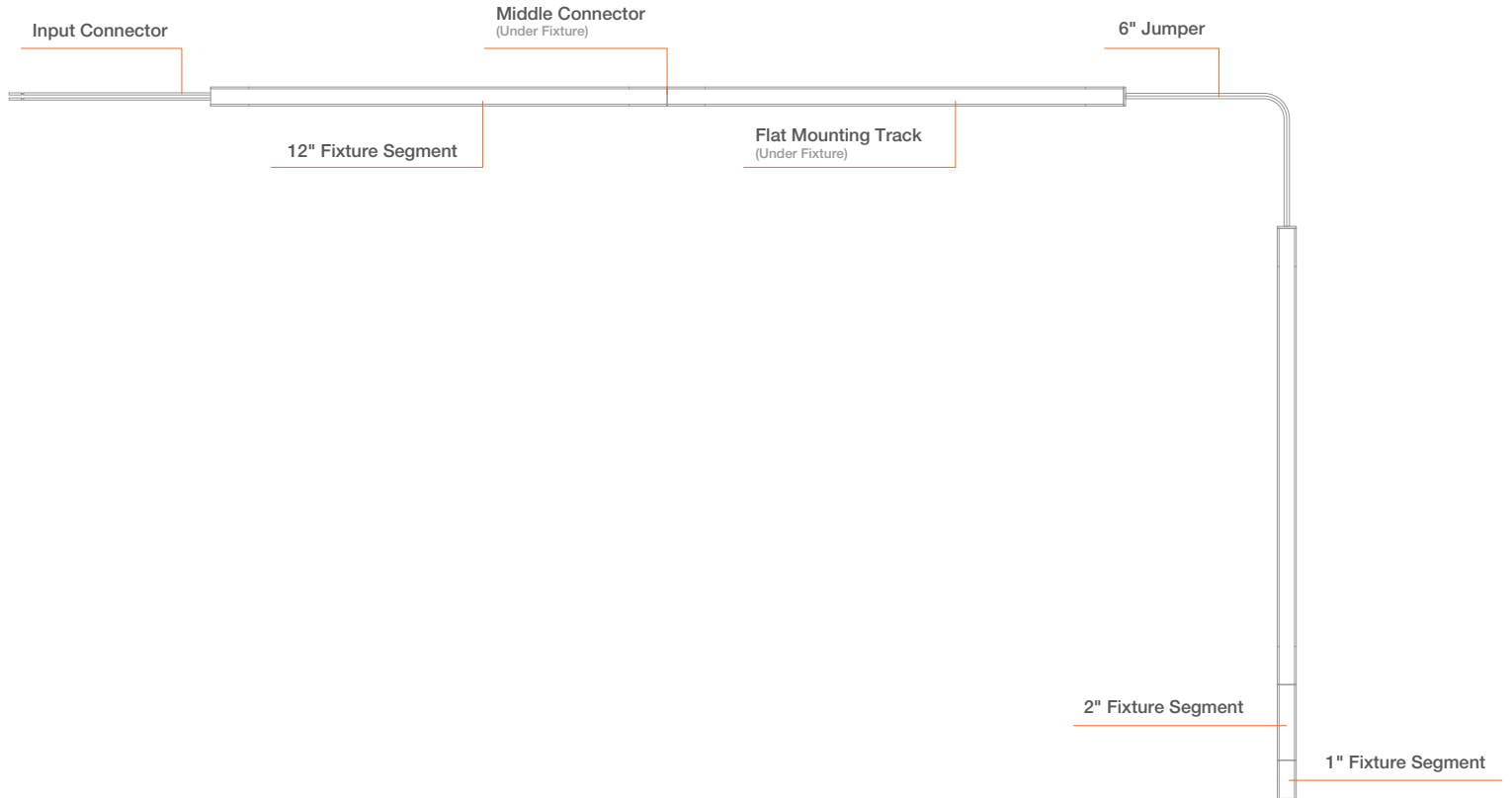
ARTP-4896T1	Linear Single Output Driver (1)
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ACCESSORIES

ART05L-1203WD01	Linear 12" Fixture Segment with Middle Connector (1)
ART05L-0103WD10	Linear 1" Fixture Segment 10-Pack
ART05L-0203WD10	Linear 2" Fixture Segment 10-Pack
ART05L-JN10	Linear Middle Connector 10-Pack
ART05L-PF10	Linear Input Connector 10-Pack
ART05L-DE10	Linear Dead End Cover 10-Pack
ART05L-J0605	Linear 6" Jumper 5-Pack
ART05L-J2405	Linear 24" Jumper 5-Pack

SAMPLE LAYOUT

EXAMPLE OF A TYPICAL LAYOUT FOR REFERENCE PURPOSES:



FIXTURE KIT



Linear Kit

ART05L-1203WD10

SUMMARY:

Developed through modeling 500,000 unique projects, the Linear Kit is tailored to provide the right tools for the job while making ordering seamless. The kit includes a selection of accessories curated to allow you to achieve the vast majority of applications without ordering separate components.

NOTES:

Order one kit for every 10' of fixtures in your project.

KIT INCLUDES:

- 12" Fixture Segment with Middle Connector (10)
- 2" Fixture Segment (4)
- 1" Fixture Segment (1)
- Input Connector (2)
- Middle Connector (3)
- Dead End Cover (1)
- 24" Jumper (1)
- 6" Jumper (1)

MOUNTING TRACKS



Linear Flat Mounting Track Kit

ART05L-FL03

SUMMARY:

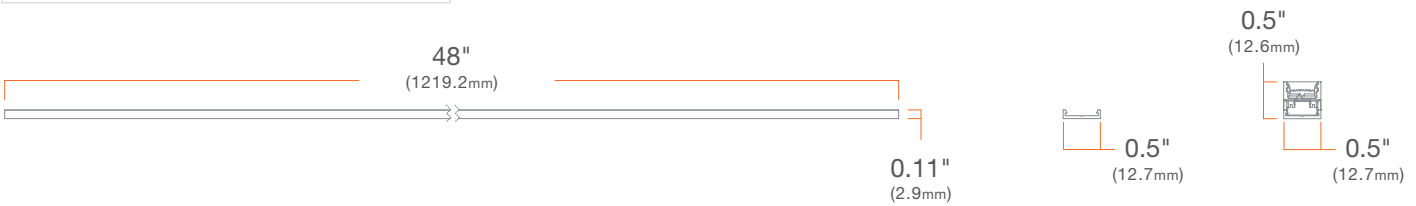
The field cuttable Linear Flat Mounting Track Kit is designed to pair 1:1 with the 10' Linear Kit, providing 12' of mounting track to allow for scrap when cutting.

NOTES:

Order one Mounting Track Kit for every Linear Kit ordered.

KIT INCLUDES:

- 48" Flat Mounting Track (3)
- No.4 1/2" Phillips Flat Head Wood Screws (30)
- Track Alignment Tool (1)



Linear 45° Mounting Track Kit

ART05L-4503

SUMMARY:

The field cuttable 45° Flat Mounting Track Kit is designed to pair 1:1 with the 10' Linear Kit, providing 12' of mounting track to allow for scrap when cutting.

NOTES:

Order one Mounting Track Kit for every Linear Kit ordered.

KIT INCLUDES:

- 48" 45° Mounting Track (3)
- No.4 1/2" Phillips Flat Head Wood Screws (30)
- Track Alignment Tool (1)



DRIVER



Linear Single Output Driver
ARTP-4896T1

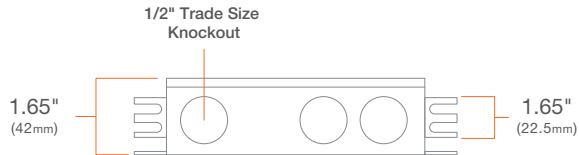
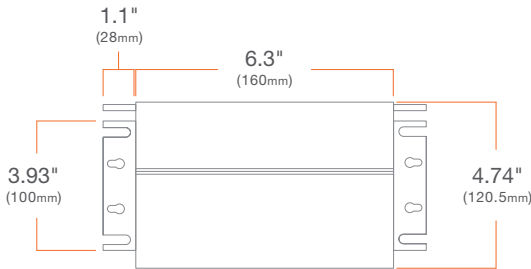
SUMMARY:

The Linear Single Output Driver powers up to 20' of fixture segments and is optimized for long home runs of 200' using 16/2 and 75' using 18/2. Built-in junction boxes enable convenient and compliant wiring without the need for added components.

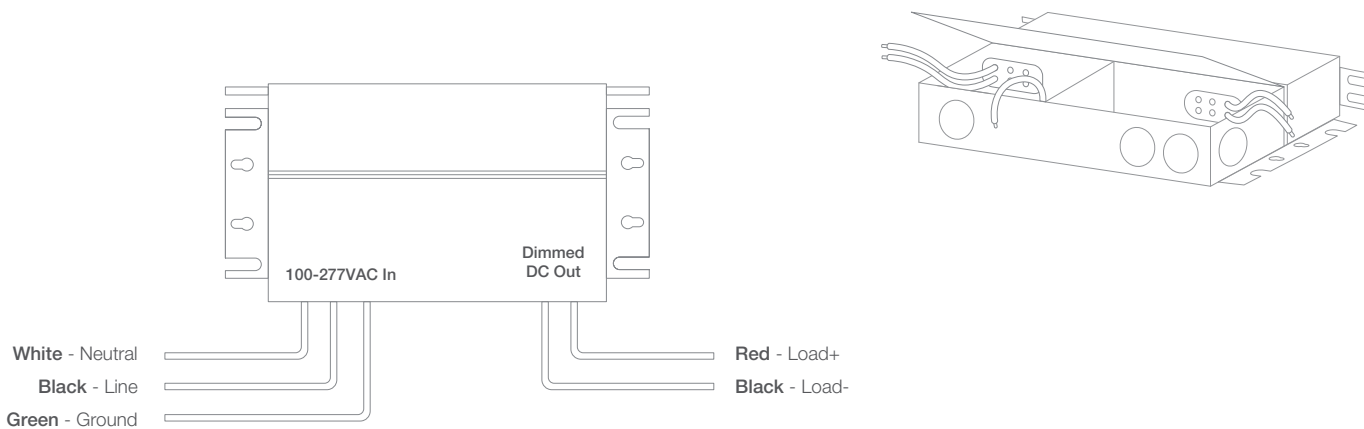
WATTAGE: 96W

INPUT VOLTAGE: 100-277VAC

DIMMING: TRIAC/ELV (0.5%)



WIRING DIAGRAM:



FIXTURES

Linear 12" Fixture Segment

ART05L-1203WD01 with Middle Connector Included



SUMMARY:

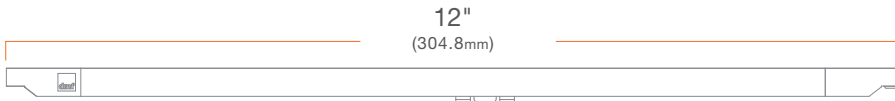
12-inch segment of illuminated fixture run, comes with Middle Connector included.

NOTES:

- Must be used as the first segment to start a run (2" or 1" segments will not work)
- May be used at the start, middle or end of run
- Can connect to starter piece, middle connector or dead end cover

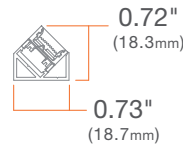
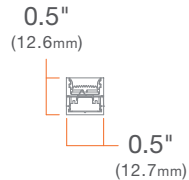
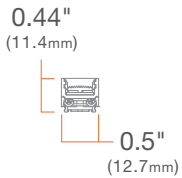
INCLUDES:

- 12" Fixture Segment (1)
- Middle Connector (1)



**INSTALLED ON
FLAT TRACK:**

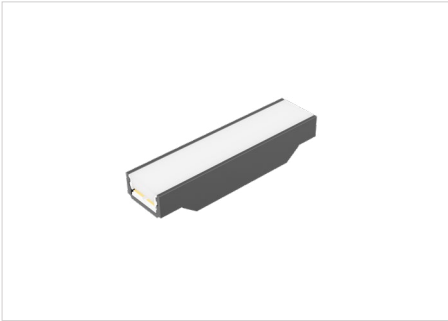
**INSTALLED ON
45° TRACK:**



FIXTURES

Linear 2" Fixture Segment

ART05L-0103WD10 (10-Pack)

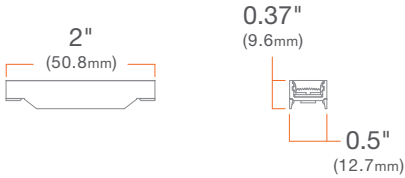


SUMMARY:

2-inch segment of illuminated fixture run.

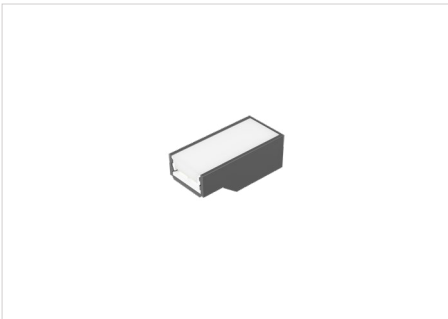
NOTES:

- May be used in the middle or end of a fixture run
- Can connect to a middle connector or dead end cover



Linear 1" Fixture Segment

ART05L-0203WD10 (10-Pack)

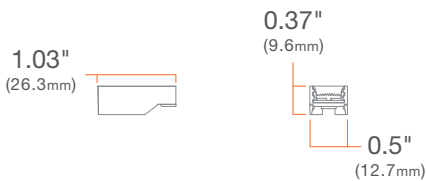


SUMMARY:

1-inch segment of illuminated fixture run.

NOTES:

- Has a permanent dead end cover on one end.
- May only be used as the last segment in a fixture run
- Can connect to a middle connector only on one end



ACCESSORIES

Linear Input Connector

ART05L-PF10 (10-Pack)



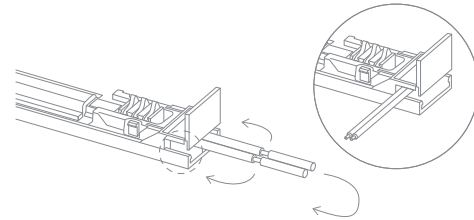
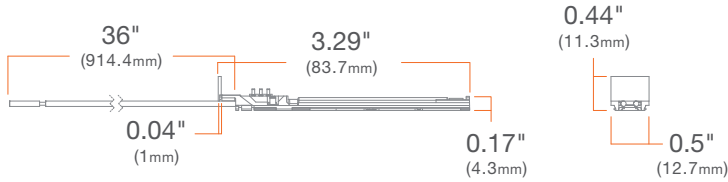
SUMMARY:

The Input Connector connects to the driver output and supplies power to the fixture run.

NOTES:

- Must be used to start every fixture run
- Max. of two starter pieces may be connected to one driver
- Contains flat head screw switch to set CCT Mode (Warm Dim Default, 3000k, 2700k, 2000k)
- Can only attach to 12" Fixture Segment, not 2" or 1"

WIRE EXIT LOCATIONS:



Linear Middle Connector

ART05L-JN10 (10-Pack)

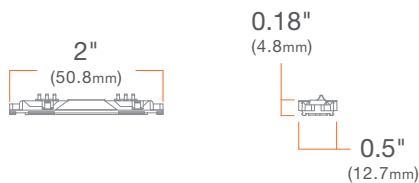


SUMMARY:

The Middle Connector is used to make connections between 12", 2" or 1" fixture segments.

NOTES:

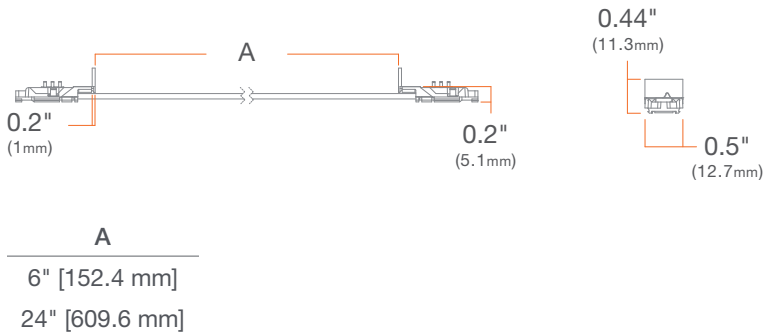
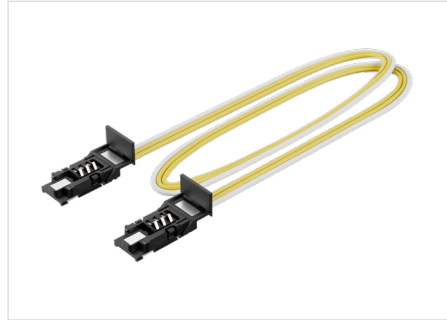
- Magnetized to secure to the end of fixtures and snaps into place on mounting track



ACCESSORIES

Linear Jumper

ART05L-J0605 6" (5-Pack)
ART05L-J2405 24" (5-Pack)



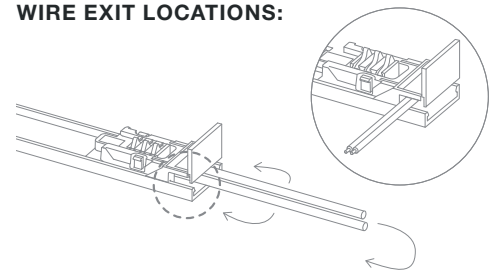
SUMMARY:

Jumpers may be used mid fixture run where continuous or straight runs are not possible (e.g. to bend a corner or between shelves). Jumpers come in 6" or 24" lengths standard.

NOTES:

- Wire lead can be bent left, right or down to facilitate multiple wire exit locations (see drawing below)
- End cap portion can be broken off in the field to allow for seamless runs
- All 3 wires must be connected to supply power to the subsequent fixture segments
- Do not connect directly to driver, and only after a starter piece and fixture segment

WIRE EXIT LOCATIONS:



Linear Dead End Cover

ART05L-DE10 (10-Pack)

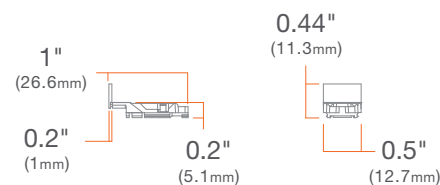


SUMMARY:

The Dead End Cover is used at the end of a fixture run to cover exposed terminals and seal the fixture end.

NOTES:

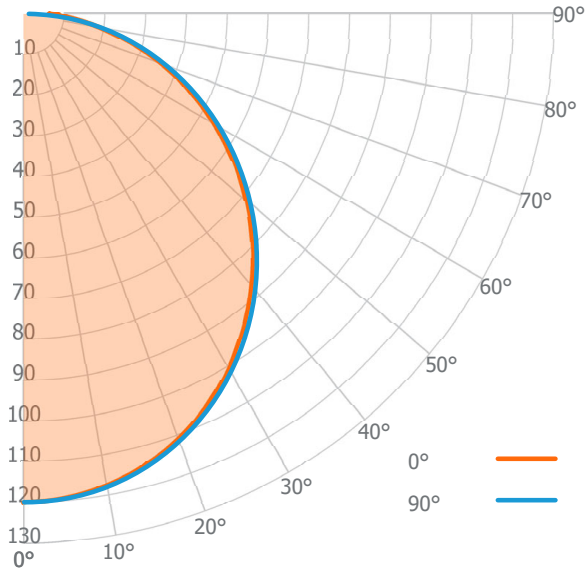
- Can be connected to a 12" or 2" fixture segment
- 1" fixture segments have a permanently installed dead end cover



PHOTOMETRY

Linear 12" Fixture Segment Warm Dim, 3000K

Candela Distribution



Luminous Intensity

	0°
0°	120
5°	119
10°	118
15°	115
20°	111
25°	106
30°	101
35°	94
40°	87
45°	79
50°	71
55°	63
60°	54
65°	45
70°	36
75°	27
80°	19
85°	12
90°	6

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	93	26%
0° - 40°	152	42%
0° - 60°	271	75%
0° - 90°	356	99%
0° - 180°	360	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	13.3 fc	9.2 ft
6 ft	3.3 fc	18.5 ft
9 ft	1.5 fc	27.7 ft
12 ft	0.8 fc	36.9 ft

Input Watts: **4.0 W**
 Lumens: **360 lm**
 Efficacy: **90 lm/W**
 Beam Angle: **114° x 114°**