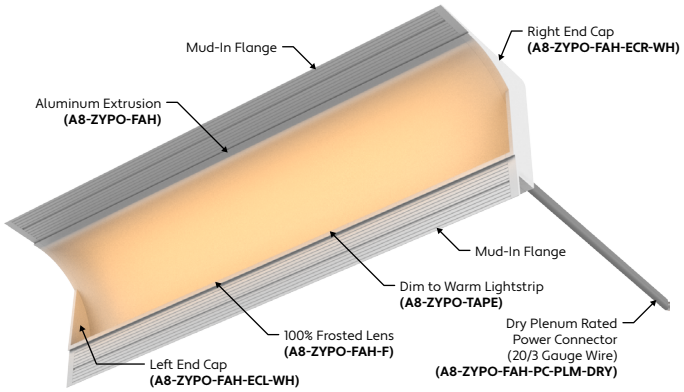
A8 Series | LED Tape
ZYPO Flush Arc Half
(A8-ZYPO-FAH)

TYPE

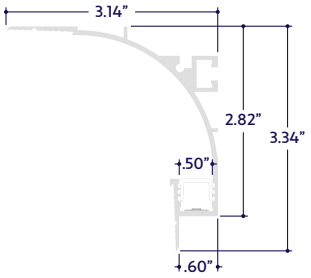


DIM TO WARM | DRY DAMP | CLOSET RATED | ETL LISTED | RoHS COMPLIANT | TITLE 24 JA8

GENERAL FEATURES

Applications	Mud-In, Accent, Decorative, Surface, Recessed Lighting
Lens	50% Semi-Frosted or 100% Frosted
Viewing Angle	120°
Length	Built to Order (+/- 1/8" Tolerance)
Construction	Aluminum Extrusion
Field Cutting	Dry and Damp Location Field Cuttable
Weight	0.80 lbs per foot
Mounting	Mud-In
Listing	Dry or Damp Location UL2108, 67.1.9, 60.4, CSA C22.2 #9 UL8750, CSA850
Driver	Remote (Sold Separately)
Closet Rating	Up to 3.6 Watts per Foot Maximum
Temperature Ratings	Operating / Startup: -20° to 48°C (-4° to 120°F) Storage: -40° to 76°C (-40° to 170°F)
Installation Link	**Link to Installation Instructions >**

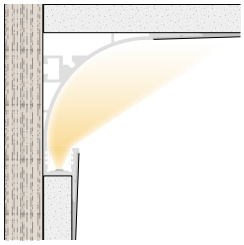
END VIEWS / DIMENSIONS



ELECTRICAL

Dimming	0-10V, Casambi Ready
Maximum Run (Class 2 Applications)	14' **(6.5W)**, 17' **(5.5W)**, 21' **(4.5W)**, 26' **(3.6W)**, 36'**(1.5W, 2.5W)**
Luminaire Voltage	24VDC

MOUNTING OPTION



Mud-In / Plaster

SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

Series	Lens	Watts per Foot	Dimming	LED	Listing	Finish	Luminaire Length
A8-ZYPO-FAH				**DWM**		**WH**	
ZYPO Flush Arc Half **(A8-ZYPO-FAH)**	50% Semi-Frosted Lens **(SF)**	1.5 Watts **(1.5W)**	0-10V: 100% - 1% **(10V)**	Dim to Warm: 3000K - 2000K **(DWM)**	Indoor **(DAMP)**	White*[1] **(WH)**	Specify Length in Feet & Inches **Example:** 7'8"
		2.5 Watts **(2.5W)**			Indoor **(DRY)**		
	100% Frosted Lens: Line of Light **(F)**	3.6 Watts **(3.6W)**	Casambi Ready **(CAS)**				
		4.5 Watts **(4.5W)**					
		5.5 Watts **(5.5W)**					
		6.5 Watts **(6.5W)**					

*[1] Default finish is White **(WH)** if left blank.

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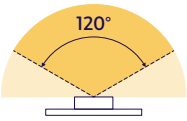
A8 Series | LED Tape
ZYPO Flush Arc Half
(A8-ZYPO-FAH)

TYPE

LAMP FEATURES

Lamp Type	Dim to Warm LEDs
CRI	> 90
Efficacy	103 Lumens per Watt

BEAM ANGLE



120° x 120° Beam

LAMP SPECIFICATIONS

Lamp Number	Correlated Color Temperature (CCT)	Dimming Percentage	L70 LED Life
DWM	2000 Kelvin	2%	60,000 hrs.
	2400 Kelvin	70%	
	2700 Kelvin	85%	
	3000 Kelvin	100%	

LENS / OPTICS APPEARANCE

50% Semi-Frosted Lens **(SF)**
Slight Diode Image
12.5% Light Loss

100% Frosted Lens **(F)**
No Diode Image: Line of Light
25% Light Loss

DRIVERS

Dimming Selection	Product Code	Link to Specification Sheet / URL
0-10V: 100% - 1%	**(10V)**	https://aluz.lighting/assets/PDFs/DRV/DRV30-E-DWM-UNV-24VDC-10V-DRY.pdf
		https://aluz.lighting/assets/PDFs/DRV/DRV40-E-DWM-UNV-24VDC-10V-DRY.pdf
		https://aluz.lighting/assets/PDFs/DRV/DRV60-E-DWM-UNV-24VDC-10V-DRY.pdf
		https://aluz.lighting/assets/PDFs/DRV/DRV96-E-DWM-UNV-24VDC-10V-DRY.pdf
Casambi Ready	**(CAS)**	https://aluz.lighting/assets/PDFs/DRV/DRV30-E-DWM-UNV-24VDC-CAS-DRY.pdf
		https://aluz.lighting/assets/PDFs/DRV/DRV40-E-DWM-UNV-24VDC-CAS-DRY.pdf
		https://aluz.lighting/assets/PDFs/DRV/DRV60-E-DWM-UNV-24VDC-CAS-DRY.pdf
		https://aluz.lighting/assets/PDFs/DRV/DRV96-E-DWM-UNV-24VDC-CAS-DRY.pdf

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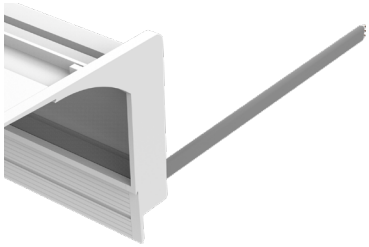
CONNECTORS (Sold Separately)

Note: Connectors are factory assembled to each run length.
Connectors are subject to change without notice.

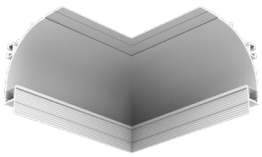


Dry Plenum Rated Power Connector
(20/3 Gauge Wire)
(A8-ZYPO-FAH-PC-PLM-DRY-X)
X = Specify Length, 36" Default, 25' Maximum

Part #	Length	Qty.
A8-ZYPO-FAH-PC-PLM-DRY-	36"	
A8-ZYPO-FAH-PC-PLM-DRY-		

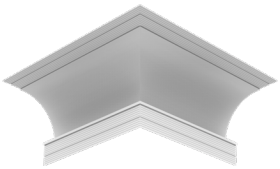
Note: Specify 1 Power Connector for each lead required.
Power Connectors are factory assembled to each length.

MITERED CORNERS (Sold Separately)



90° Internal Corner
(A8-ZYPO-FAH-90D-IN)

Part #	Qty.
A8-ZYPO-FAH-90D-IN	



90° External Corner
(A8-ZYPO-FAH-90D-EX)

Part #	Qty.
A8-ZYPO-FAH-90D-EX	

END CAPS (Sold Separately)

Left End Cap
(A8-ZYPO-FAH-ECL-WH)

Part #	Qty.
A8-ZYPO-FAH-ECL-WH	

Right End Cap
(A8-ZYPO-FAH-ECR-WH)

Part #	Qty.
A8-ZYPO-FAH-ECR-WH	

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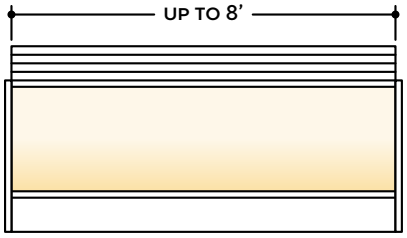
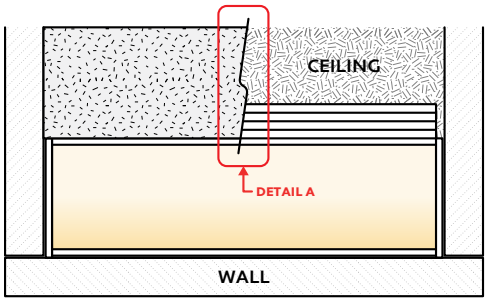
DESIGN GUIDELINES

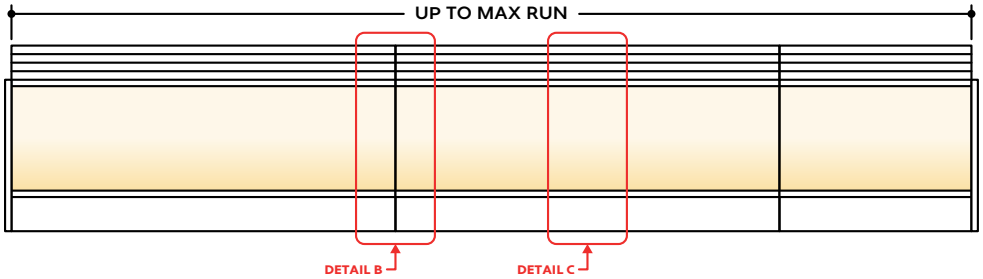
Individual Fixture



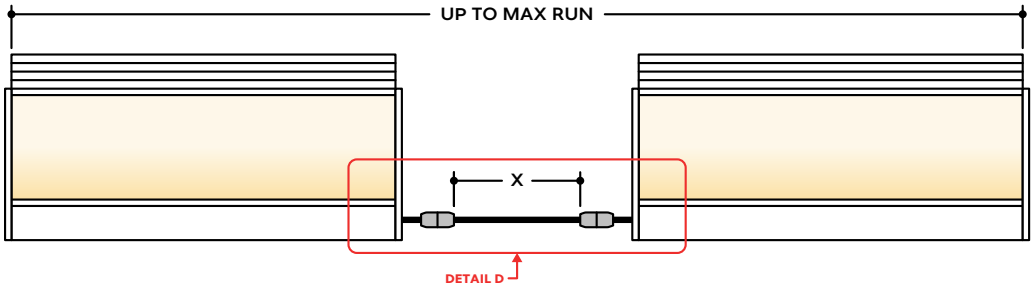
Individual Fixture with Mud-In



Continuous Run



Runs with Continuous Connector



KEY

Detail A	**Mud-In:** Plaster is used to cover the flanges of the extrusion, leaving a flush appearance. Refer to installation instructions for details.
Detail B	**Two Extrusions Meet:** Two extrusion segments meet. Refer to installation instructions for additional details.
Detail C	**Two Lenses Meet:** Lenses are staggered so that the lens always overlaps where two extrusion segments meet. Refer to installation instructions for additional details.
Detail D	**Dry Continuous Connector:** Used to span a corner or traverse a gap, corner, or obstacle in a dry location installation area. For Mud-In applications, the connection is located behind the mounting surface, such as drywall.

Note: Drawings not to scale. Product may differ from examples shown.

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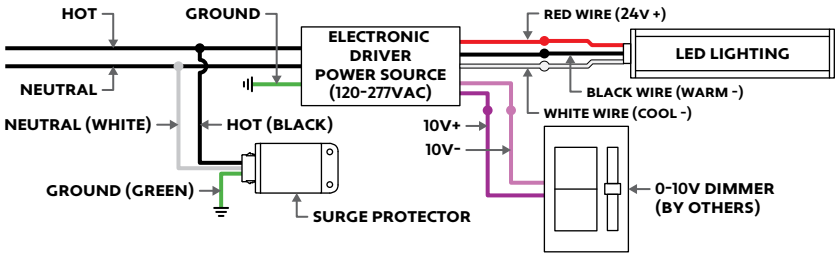
0-10V WIRING DIMMING DIAGRAM

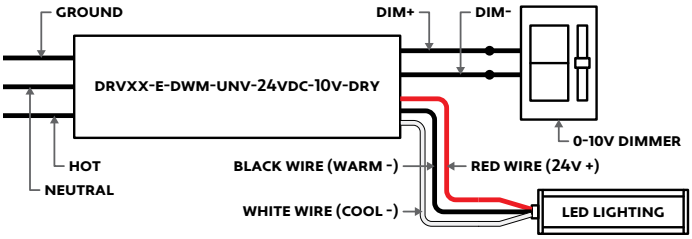


0-10V DIMMING (10V)

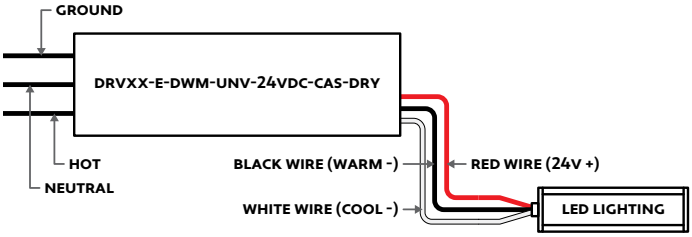
Technical Requirements For Control Equipment

- The light output of the LEDs operated by the controllable LED driver is controlled by DC voltage applied to the control input leads (gray and violet). The actual response curve of LED driver current versus control voltage.
- The control device must be capable of accepting or sinking the DC current flow from the driver. The DC current from the driver that must be sinked by the control circuit is approximately 150uA (+/50% for isolated dim interfaces, up to 1.5mA for non isolated dim interfaces).
- If the control bus is opened, or if the control device internally opens the control bus under some conditions, the voltage on the control bus will then be a function of the drivers, which is 10-15V. Maximum light output will be delivered under this condition.
- If the control bus is shorted either by a mechanical switch in the control or by the circuitry of the control device, or inadvertently in the wiring, the current on the control bus will be less than 1.5mA.
- As can be determined from the two items, simple two-level operation of the drivers can be achieved by proper usage and application of a simple open/closed switch on the control bus with maximum light being achieved when the switch is open and minimum light with the switch is closed.
- The driver is intended to be used with control voltages between 0-10VDC volts peak maximum on the driver control leads.
- Control equipment intended to control more than one driver must be capable of sinking the current supplied tot the control bus by the maximum number of drivers specified for the control device. At any given level setting it must maintain control bus voltage constant within a range of +/-5% as the number of drivers connected to the control bus varies from a minimum of one driver up to the maximum number specified for the control device.
- Driver of various ratings may be mixed on the same control system.

0-10V DIMMING WIRING DIAGRAM FOR DWM



WIRING DIAGRAM FOR DWM-CAS



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