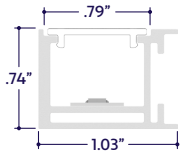
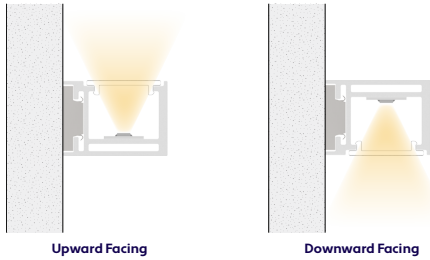


### END VIEW / DIMENSIONS



### MOUNTING OPTIONS



### GENERAL FEATURES

<b>Applications</b>	Accent, Decorative, Surface, Recessed, Pendant Lighting
<b>Lens</b>	Clear, 50% Semi-Frosted, or 100% Frosted
<b>Optics &amp; Asymmetric</b>	15°, 30°, 45°, 60°, 120°, or Asymmetric Optics
<b>Length</b>	Built to Order (+/- 1/8" Tolerance)
<b>Construction</b>	Aluminum Extrusion
<b>Field Cutting</b>	Dry Location Field Cuttable
<b>Weight</b>	0.248 lbs per foot
<b>Mounting</b>	Mounting Channel or Mounting Clips (Sold Separately)
<b>Listing</b>	Dry or Damp Location UL2108, 67.1.9, 60.4, CSA C22.2 #9 UL8750, CSA250
<b>Driver</b>	Remote (Sold Separately)
<b>Closet Rating</b>	Up to 3.6 Watts per Foot Maximum
<b>Temperature Ratings</b>	Operating / Startup: -20° to 48°C (-4° to 120°F) Storage: -40° to 76°C (-40° to 170°F)
<b>Installation Link</b>	

### ELECTRICAL

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

### SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

Series	Lens / Optics	Watts per Foot	Dimming	LED	Listing	Finish	Luminaire Length
<b>A8-ZYPO-SSM</b>				<b>DWM</b>			
ZYPO Surface Side Mount (A8-ZYPO-SSM)	Clear Lens (CL)	1.5 Watts (1.5W)	0-10V: 100% - 1% (10V)	Dim to Warm: 3000K - 2000K (DWM)	Indoor (DAMP) Indoor (DRY)	Natural Silver* <sup>2</sup> (NA) Polished (PA) White (WH) Satin / Silver (SA) Black (BK)	Specify Length in Feet & Inches Example: 7'8"
	50% Semi-Frosted Lens (SF)	2.5 Watts (2.5W)					
	100% Frosted Lens: Line of Light (F)	3.6 Watts (3.6W) 4.5 Watts (4.5W)	Casambi Ready (CAS)				
	Asymmetric Lens Left* (ASML)	5.5 Watts (5.5W)					
	Asymmetric Lens Right (ASMR)	6.5 Watts (6.5W)					
	15° Optics (15D)						
	30° Optics (30D)						
	45° Optics (45D)						
	60° Optics (60D)						

\*<sup>1</sup> Default Asymmetric Direction is Left (ASML) if unspecified.  
\*<sup>2</sup> Default finish is Natural Silver (NA) if left blank.



### LAMP FEATURES

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

### 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%	

### OPTICS ORIENTATION



Asymmetric Lens Left (ASML)

Asymmetric Lens Right (ASMR)

Note: Default Asymmetric Direction is Left (ASML) if unspecified.

### LENS / OPTICS APPEARANCE



Clear Lens (CL)  
Visible Diode Image  
0% Loss Factor



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



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

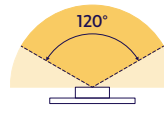


Asymmetric Lens (ASML, ASMR)  
Slight Diode Image  
18% Loss Factor

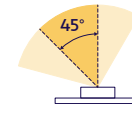


Optic Lens (15D, 30D, 45D, 60D)  
Slight Diode Image  
18% Loss Factor

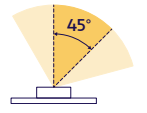
### BEAM ANGLES



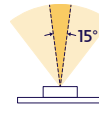
120° x 120° Beam  
Clear Lens (CL)  
50% Semi-Frosted Lens (SF)  
100% Frosted Lens (F)



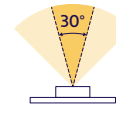
45° x 60° Beam  
Asymmetric Lens Left (ASML)



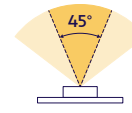
45° x 60° Beam  
Asymmetric Lens Right (ASMR)



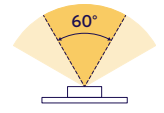
15° x 60° Beam  
Optic Lens (15D)



30° x 60° Beam  
Optic Lens (30D)



45° x 60° Beam  
Optic Lens (45D)



60° x 60° Beam  
Optic Lens (60D)

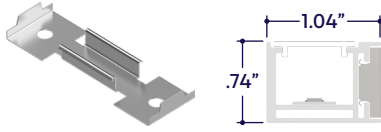
### DRIVERS

Dimming Selection	Product Code	Link to Specification Sheet / URL
0-10V: 100% - 1%	(10V)	
Casambi Ready	(CAS)	



### MOUNTING OPTIONS (Sold Separately)

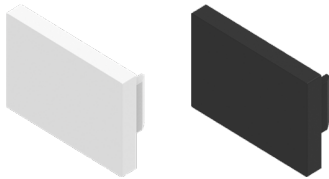
**Note:** Mounting clips are only available in Natural Silver Finish, unless otherwise specified.



Part #	Qty.
A8-ZYPO-SSM-MC	

**Note:** Use 1 mounting clip per 2', rounded up.  
Click on image to see cut sheet for details.

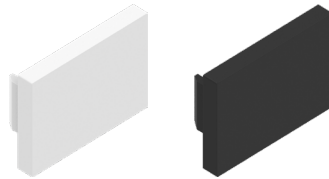
### END CAPS (Sold Separately)



Left End Cap  
(A8-ZYPO-SSM-ECL-X)  
X = Specify Finish: White (WH) or Black (BK)

Part #	Qty.
A8-ZYPO-SSM-ECL-WH	
A8-ZYPO-SSM-ECL-BK	

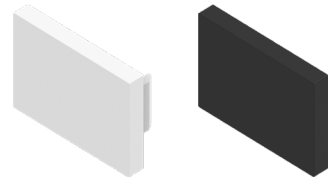
**Note:** Default Finish is Black (BK) if unspecified.



Right End Cap  
(A8-ZYPO-SSM-ECR-X)  
X = Specify Finish: White (WH) or Black (BK)

Part #	Qty.
A8-ZYPO-SSM-ECR-WH	
A8-ZYPO-SSM-ECR-BK	

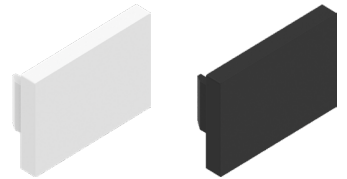
**Note:** Default Finish is Black (BK) if unspecified.



Left End Cap with Exit Hole  
(A8-ZYPO-SSM-ECL-H-X)  
X = Specify Finish: White (WH) or Black (BK)

Part #	Qty.
A8-ZYPO-SSM-ECL-H-WH	
A8-ZYPO-SSM-ECL-H-BK	

**Note:** Default Finish is Black (BK) if unspecified.



Right End Cap with Exit Hole  
(A8-ZYPO-SSM-ECR-H-X)  
X = Specify Finish: White (WH) or Black (BK)

Part #	Qty.
A8-ZYPO-SSM-ECR-H-WH	
A8-ZYPO-SSM-ECR-H-BK	

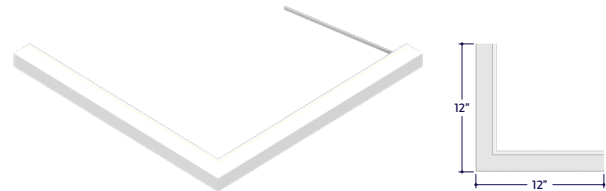
**Note:** Default Finish is Black (BK) if unspecified.

### MITERED CORNERS (Sold Separately)



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

**Note:** 90D-IN is a lit corner provided with a 3' power lead.

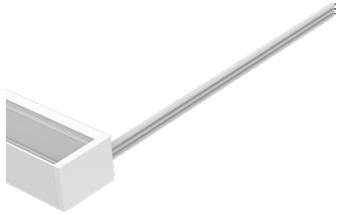


Part #	Qty.
A8-ZYPO-SSM-90D-EX	

**Note:** 90D-EX is a lit corner provided with a 3' power lead.

### DRY CONNECTORS (Sold Separately)

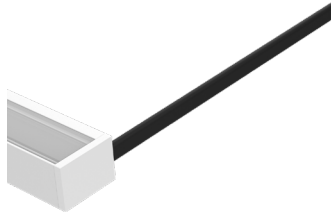
**Note:** Connectors are factory assembled to each run length. Connectors are subject to change without notice.



Dry Power Connector  
(20/3 Gauge Wire)  
**(A8-ZYPO-SSM-PC-SFF-DRY-X)**  
X = Specify Length, 36" Default, 25' Maximum

Part #	Length	Qty.
A8-ZYPO-SSM-PC-SFF-DRY-	36"	
A8-ZYPO-SSM-PC-SFF-DRY-		

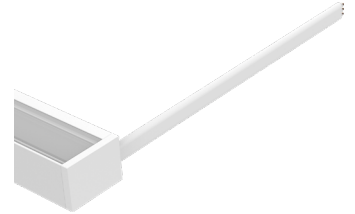
**Note:** Specify 1 Power Connector for each lead required. Power Connectors are factory assembled to each length.



Dry Power Connector with Black Jacket  
(20/3 Gauge Wire)  
**(A8-ZYPO-SSM-PC-SFF-DRY-BK-X)**  
X = Specify Length, 36" Default, 25' Maximum

Part #	Length	Qty.
A8-ZYPO-SSM-PC-SFF-DRY-BK-	36"	
A8-ZYPO-SSM-PC-SFF-DRY-BK-		

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



Dry Power Connector with White Jacket  
(20/3 Gauge Wire)  
**(A8-ZYPO-SSM-PC-SFF-DRY-WH-X)**  
X = Specify Length, 36" Default, 25' Maximum

Part #	Length	Qty.
A8-ZYPO-SSM-PC-SFF-DRY-WH-	36"	
A8-ZYPO-SSM-PC-SFF-DRY-WH-		

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



Dry Continuous Connector  
(20/3 Gauge Wire)  
**(A8-ZYPO-SSM-CC-SFF-DRY-X)**  
X = Specify Length, 3" Default

Part #	Length	Qty.
A8-ZYPO-SSM-CC-SFF-DRY-	3"	
A8-ZYPO-SSM-CC-SFF-DRY-		

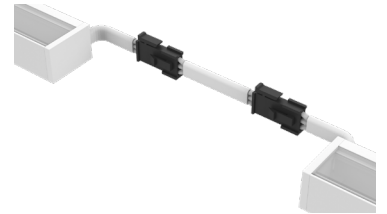
**Note:** Specify Continuous Connectors to traverse a gap or obstacle. Continuous Connectors are factory assembled to specified lengths.



Dry Continuous Connector with Black Jacket  
(20/3 Gauge Wire)  
**(A8-ZYPO-SSM-CC-SFF-DRY-BK-X)**  
X = Specify Length, 3" Default

Part #	Length	Qty.
A8-ZYPO-SSM-CC-SFF-DRY-BK-	3"	
A8-ZYPO-SSM-CC-SFF-DRY-BK-		

**Note:** Specify Continuous Connectors to traverse a gap or obstacle. Continuous Connectors are factory assembled to specified lengths.



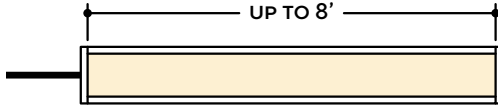
Dry Continuous Connector with White Jacket  
(20/3 Gauge Wire)  
**(A8-ZYPO-SSM-CC-SFF-DRY-WH-X)**  
X = Specify Length, 3" Default

Part #	Length	Qty.
A8-ZYPO-SSM-CC-SFF-DRY-WH-	3"	
A8-ZYPO-SSM-CC-SFF-DRY-WH-		

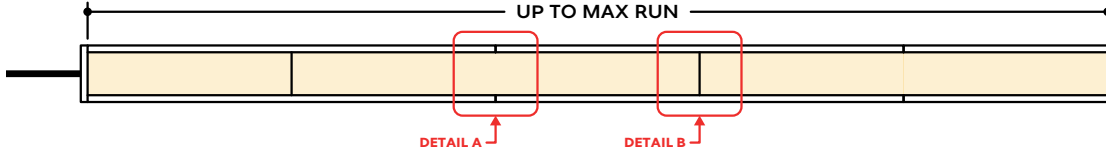
**Note:** Specify Continuous Connectors to traverse a gap or obstacle. Continuous Connectors are factory assembled to specified lengths.

## DESIGN GUIDELINES

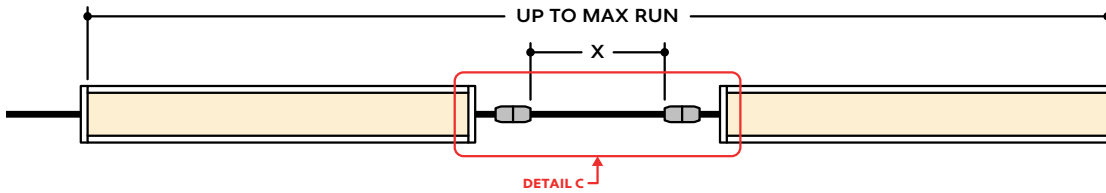
### Individual Fixture



### Continuous Run (Dry Location)



### Runs with Continuous Connector (Dry Location)

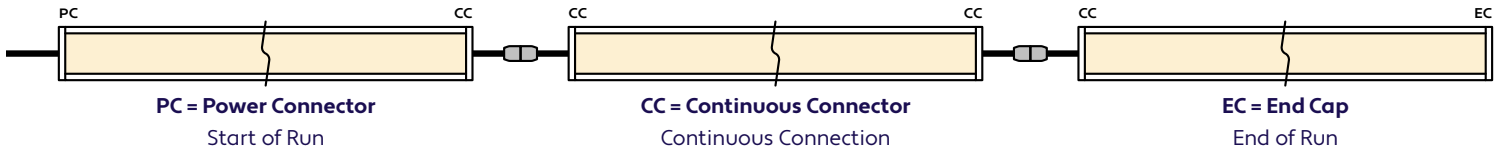


## KEY

- Detail A Two Extrusions Meet:** Two extrusion segments meet, held together by a mounting clip. Refer to installation instructions for additional details.
- Detail B 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 C Dry Continuous Connector:** Used to span a corner or traverse a gap, corner, or obstacle in a dry location installation area.

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

### CONNECTION SEQUENCE

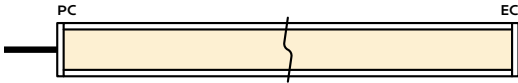


- Specifying a layout is not required to place an order.
- Configuration code applies to full length ordered and will be built per the Continuous Run models on Design Guidelines.
- Connector type subject to change based on availability and listing. Refer to Design Guidelines for details.

### HOW TO SPECIFY CONFIGURATIONS

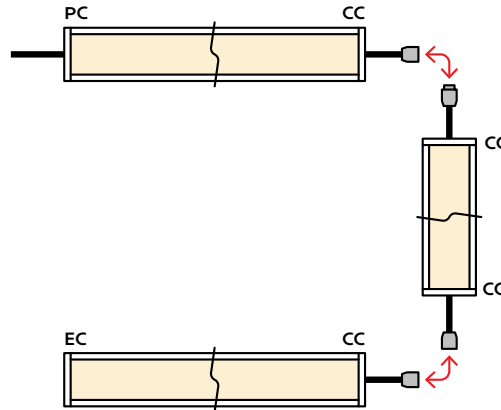
#### Example: 20' Straight Run

- 1x A8-ZYPO-SSM-CL-4.3W-10V-DWM-DRY-NA-20'-PC-EC

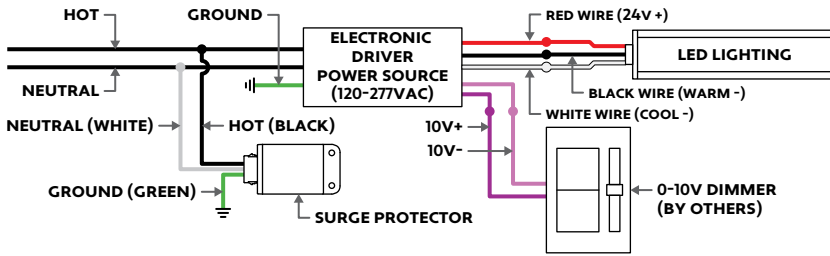


#### Example: 30' U-Shaped Run

- 1x A8-ZYPO-SSM-CL-4.3W-10V-DWM-DRY-NA-6'-PC-CC
- 1x A8-ZYPO-SSM-CL-4.3W-10V-DWM-DRY-NA-18'-CC-CC
- 1x A8-ZYPO-SSM-CL-4.3W-10V-DWM-DRY-NA-6'-CC-EC



### 0-10V WIRING DIMMING DIAGRAM

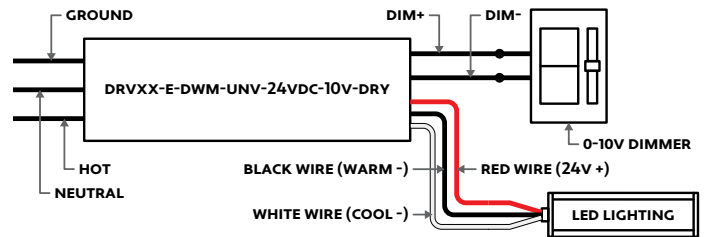


### 0-10V DIMMING (10V)

#### 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 sunk 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

