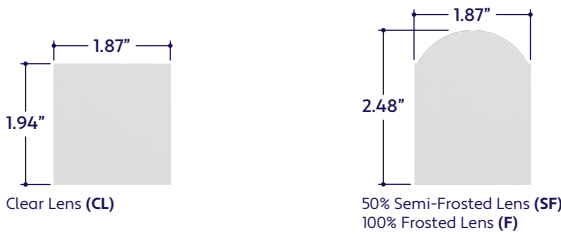


END VIEWS / DIMENSIONS



MINIMUM & MAXIMUM RUNS

Wattage	1.5W	2W	3W	4W	5W	6W	8W	10W	12W
0-10V & DALI Minimum Run	4'	3'	2'	2'	2'	1'	1'	1'	1'
0-10V & DALI Maximum Run	39'	27'	19'	14'	11'	9'	7'	6'	5'
DMX Minimum Run	4'	3'	2'	2'	2'	1'	1'	1'	1'
DMX Maximum Run	26'	18'	13'	9'	8'	6'	4'	4'	3'

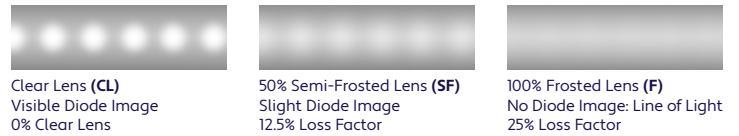
GENERAL FEATURES

Applications	Indirect and Direct Lighting
Lens	Clear, 50% Semi-Frosted, or 100% Frosted
Length	Built to Order: Standard 4' Lengths and Custom Lengths Specify Overall Length (Minimum: 1'4", Maximum: 8') Example: 7'8" = One 7'8" luminaire (Custom Length) Example: 3'2" = One 3'2" luminaire (Custom Length) Example: 13'6" = 4' + 4' + 4' + 1'6" Example: 23'8" = 4' + 4' + 4' + 4' + 4' + 3'8" See Length Restrictions Table for details
Construction	Aluminum Extrusion
Weight	1.09 lbs per Foot
Mounting	Mounting Clips (Sold Separately)
Listing	Dry or Damp Location UL1598, CSA C22.2#250.0 UL8750, CSA250 UL2108, 67.1.9, 60.4, CSA C22.2 #9
Driver	Integral (Driver on Board)
Temperature Ratings	Operating / Startup: -20° to 48°C (-4° to 120°F) Storage: -40° to 76°C (-40° to 170°F)
Installation Link	

ELECTRICAL

Dimming	0-10V, DMX, DALI
Luminaire Voltage	120V - 277V (UNV)

LENS / OPTICS APPEARANCE



SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

Series	Lens	Finish	BIOS LED	Watts per Foot	Dimming	Feed Point	Listing	Luminaire Voltage ⁹	Luminaire Length		
A1-ZYZY-STN-BIOS								UNV			
ZYZY Standard BIOS Illuminated (A1-ZYZY-STN-BIOS)	Clear Lens (CL)	Natural Silver ¹ (NA)	BIOS Biological Static: 3500K Daytime ² (BS-35K)	1.5 Watts (1.5W) 232 Lumens / ft ⁵	0-10V (10V)	End Feed ⁴ (EF)	Indoor (DRY)	120 - 277V Line Voltage (UNV)	Specify Length in Feet & Inches Example: 7'8"		
	50% Semi-Frosted Lens (SF)	White (WH)		2 Watts (2W) 310 Lumens / ft ⁵		Bottom Feed (BF)					
				3 Watts (3W) 465 Lumens / ft ⁵		Side Feed Left (SFL)					
		100% Frosted Lens: Line of Light (F)	Satin (SA)	BIOS Biological Dynamic: 3500K Daytime - 3000K Evening ³ (BD-35K-30K)	4 Watts (4W) 620 Lumens / ft ⁵	DALI (DALI)	Side Feed Right ⁷ (SFR)	Outdoor (DAMP)			
			Black (BK)		5 Watts (5W) 775 Lumens / ft ⁵	DMX-512 (DMX)	Back of Fixture Feed ⁸ (BFF)				
			Silver (SR)		6 Watts (6W) 930 Lumens / ft ⁵						
				BIOS Biological Tunable: 3500K Daytime - 2700K Evening ⁴ (BT-35K-27K)	8 Watts (8W) 1240 Lumens / ft ⁵						
					10 Watts (10W) 1550 Lumens / ft ⁵						
					12 Watts (12W) 1860 Lumens / ft ⁵						

Note: See page 2 for ordering notes & restrictions.



ORDERING NOTES & RESTRICTIONS

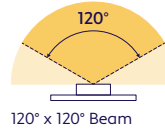
- *1 Default finish is Natural Silver (NA) if left blank.
- *2 BIOS Biological Static available in standard 3500K Daytime CCT. Consult factory for other color temperature options.
- *3 BIOS Biological Dynamic available in standard 3500K Daytime - 3000K Evening CCT gamut. Consult factory for other color temperature options.
- *4 BIOS Biological Tunable available in standard 3500K Daytime - 2700K Evening CCT gamut. Consult factory for other color temperature options.
- *5 Lumens per Foot based on 35K CCT LED. **Example:** 155 Lumens x 10 Watts = 1550 Lumens per Foot.
- *6 Default feed point is End Feed (EF) if left blank.
- *7 Default Side Feed direction is Right (SFR) if unspecified.
- *8 3' Minimum luminaire length for (BFF) Feed Point.
- *9 Integral drivers wattage sized based on length of run. **Example:** 6' run x 10 watts per foot = 60 watts. Driver will be sized to 60 watts maximum.

FEED POINTS



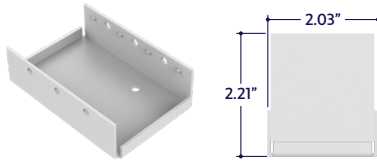
Note: Account for the cordgrip dimensions when measuring.
Add 0.15" for (EF) and (BFF).
Add 0.55" for (BF), (SFL), and (SFR).

BEAM ANGLES



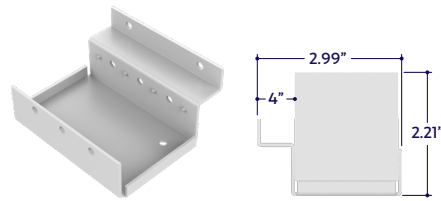
MOUNTING OPTIONS (Sold Separately)

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



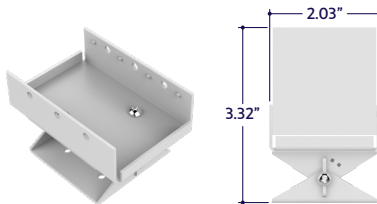
Part #	Qty.
A1-ZYZY-STN-MC-1	

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



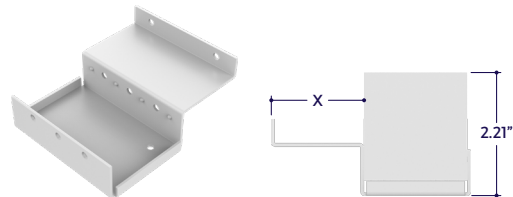
Part #	Qty.
A1-ZYZY-STN-MC-2	

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



Part #	Qty.
A1-ZYZY-STN-MC-3	

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



Part #	Length	Qty.
A1-ZYZY-STN-MC-4-		

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

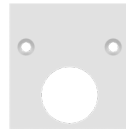
END CAPS (Sold Separately)



Flat End Cap
(A1-ZYZY-STN-EC)

Part #	Qty.
A1-ZYZY-STN-EC	

Note: Flat End Cap only for Clear Lens (CL).



Flat End Cap with Hole
(A1-ZYZY-STN-EC-H)

Part #	Qty.
A1-ZYZY-STN-EC-H	

Note: Flat End Cap only for Clear Lens (CL).



Round End Cap
(A1-ZYZY-STN-EC-SF)
(A1-ZYZY-STN-EC-F)

Part #	Qty.
A1-ZYZY-STN-EC-F	
A1-ZYZY-STN-EC-F	

Note: Round End Cap only for Semi-Frosted (SF) or Frosted (F) Lenses.



Round End Cap with Hole
(A1-ZYZY-STN-EC-SF-H)
(A1-ZYZY-STN-EC-F-H)

Part #	Qty.
A1-ZYZY-STN-EC-F-H	
A1-ZYZY-STN-EC-F-H	

Note: Round End Cap is for Semi-Frosted (SF) or Frosted (F) Lenses Only.

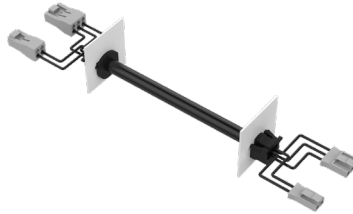
CONNECTORS (Sold Separately)



Dry Power Connector with End Cap
(A1-ZYZY-STN-BIOS-PC-EC-DRY-X)
X = Specify Cable Length, 6' Default

Part #	Length	Qty.
A1-ZYZY-STN-BIOS-PC-EC-DRY-		

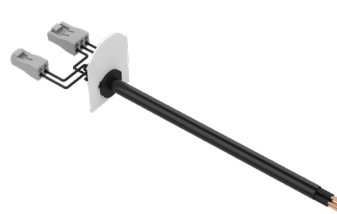
Note: Use 1 Dry Power Connector with End Cap for each dry location power lead.



Dry Jumper Cable with End Caps
(A1-ZYZY-STN-BIOS-JC-EC-DRY-X)
X = Specify Cable Length, 6" Default

Part #	Length	Qty.
A1-ZYZY-STN-BIOS-JC-EC-DRY-		

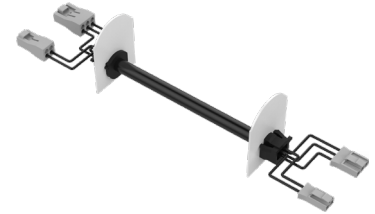
Note: Use 1 Dry Jumper Cable for each instance where the run will transverse a corner or an obstacle.



Dry Power Connector with End Cap
(A1-ZYZY-STN-BIOS-PC-EC-SF-DRY-X)
(A1-ZYZY-STN-BIOS-PC-EC-F-DRY-X)
X = Specify Cable Length, 6' Default

Part #	Length	Qty.
A1-ZYZY-STN-BIOS-PC-EC-SF-DRY-		
A1-ZYZY-STN-BIOS-PC-EC-F-DRY-		

Note: Use 1 Dry Power Connector with End Cap for each dry location power lead.



Dry Jumper Cable with End Caps
(A1-ZYZY-STN-BIOS-JC-EC-SF-DRY-X)
(A1-ZYZY-STN-BIOS-JC-EC-F-DRY-X)
X = Specify Cable Length, 6" Default

Part #	Length	Qty.
A1-ZYZY-STN-BIOS-JC-EC-SF-DRY-		
A1-ZYZY-STN-BIOS-JC-EC-F-DRY-		

Note: Use 1 Dry Jumper Cable for each instance where the run will transverse a corner or an obstacle.

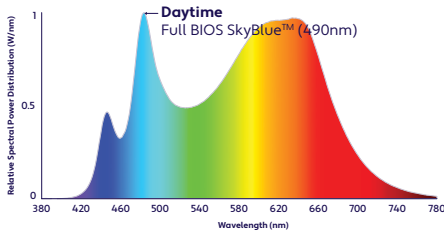
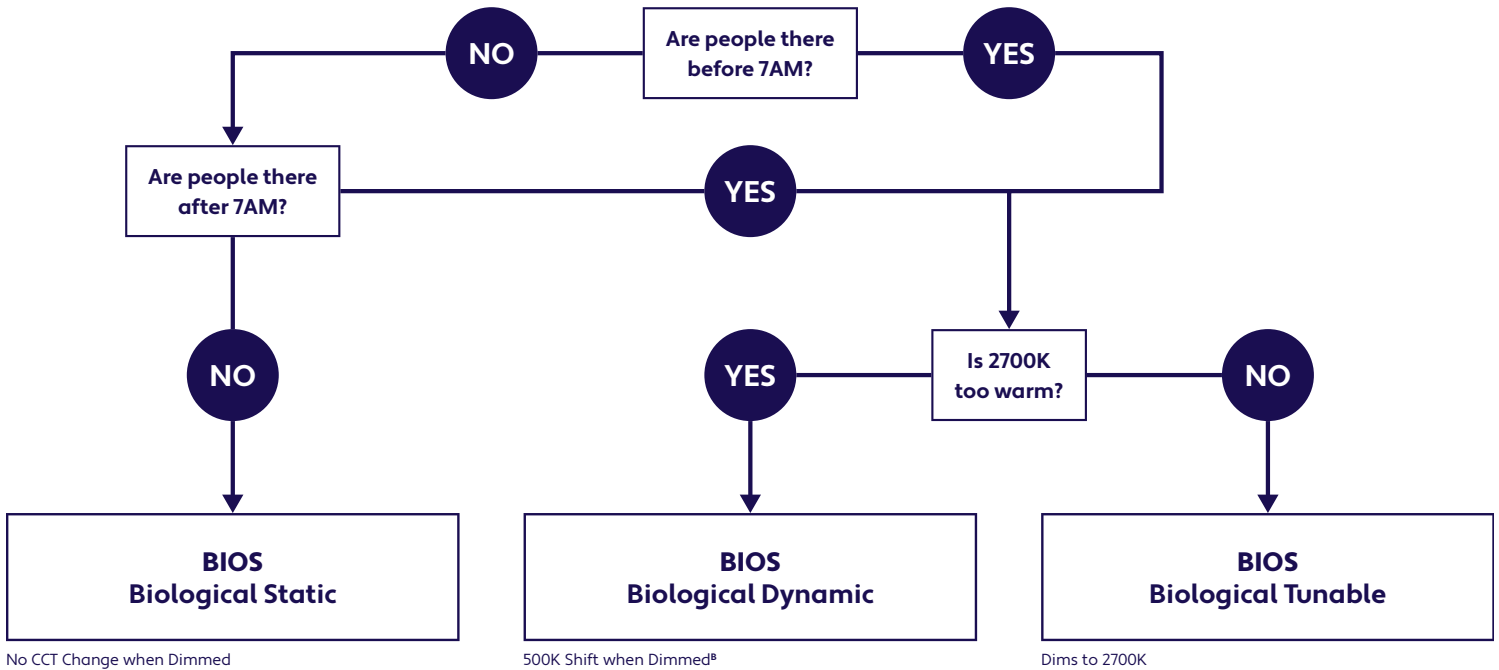
DELIVERED MELANOPIC RATIOS

BIOS Solution / Nominal CCT / Product Code	Spectral Mode	CRI	R9	Daytime Spectrum Melanopic Ratio* (M/P)	
				m-EER	m-DER
BIOS Biological Static: 3500K Daytime (BIOS-BS-35K)	Daytime Solution	80+	> 90	≥ 0.80	≥ 0.72
BIOS Biological Dynamic: 3500K Daytime - 3000K Evening (BIOS-BD-35K-30K)	Daytime + Evening Solution	80+	> 90	≥ 0.70	≥ 0.63
BIOS Biological Tunable: 3500K Daytime - 2700K Evening (BIOS-BT-35K-27K)	Daytime + Evening Solution	80+	> 90	≥ 0.80	≥ 0.72

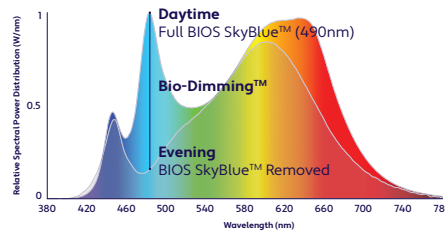
*Melanopic ratios are provided in two forms: (m-EER) which is calculated using the WELL v2 methodology and the corresponding CIE melanopic Daylight Equivalent Ratio, (m-DER).

CHOOSING YOUR BIOS SOLUTION

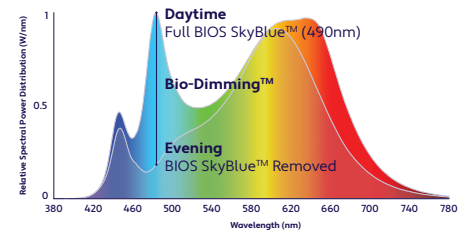
ALUZ offers four different BIOS Circadian LED Solutions – Biological Static, Biological Dynamic, and Biological Tunable White. Use the decision tree below to identify when and where to use BIOS Wellness LED Lighting Solutions.



Daytime Solution
(Offices, Medical / Dental Offices)
Spaces in operation during daytime hours, between 7AM and 7PM.



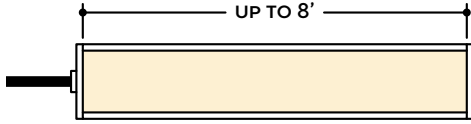
Daytime + Evening Solution
(Hospitals)
Spaces in operation overnight, after 7PM and before 7AM.
CCT color shift in the evening not preferred.
(^B3000K dims to 2700K)



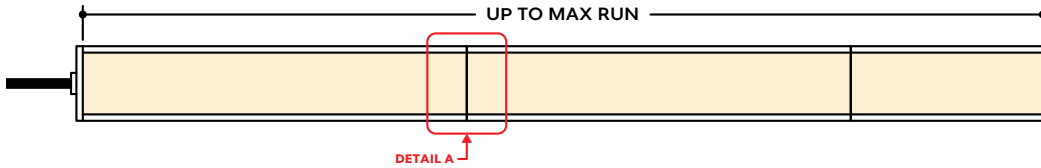
Daytime + Evening Solution
(Offices, Shiftwork)
Spaces in operation overnight, after 7PM and before 7AM and people do not sleep there.
CCT color shift in the evening not preferred.

DESIGN GUIDELINES

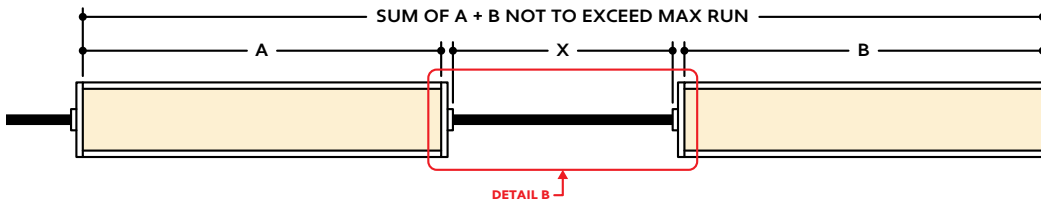
Individual Fixture



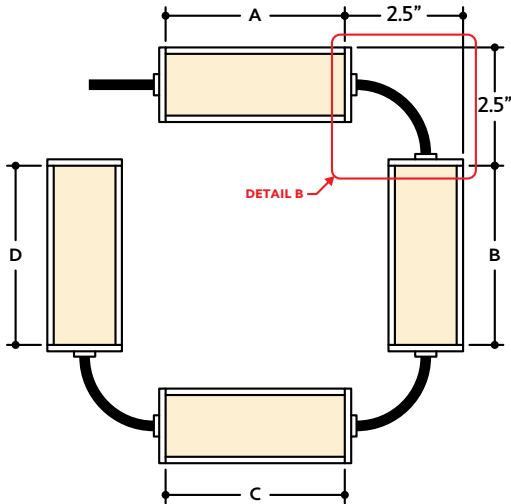
Continuous Run



Run with Jumper Cable



Run with Square Layout



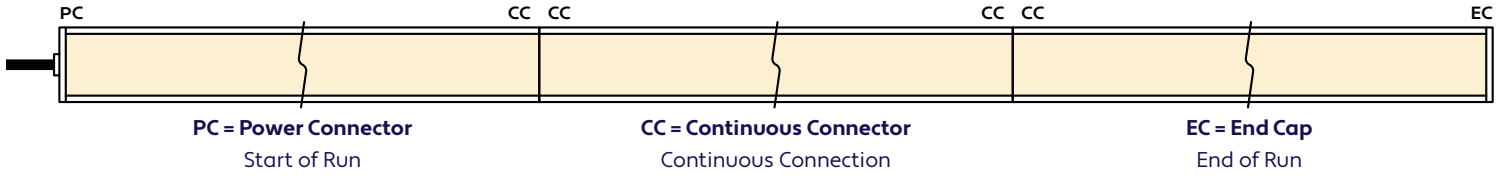
KEY

- Detail A** **Continuous Connection (Dry Location):** Luminaire segments connect using internal continuous connectors, leaving no gaps between segments, with a mounting clip holding the two segments together. Refer to installation instructions for additional information.
- Detail B** **Jumper Cable:** Used to span a corner or traverse a gap or obstacle in the installation area.

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

CONNECTION SEQUENCE

Dry Location

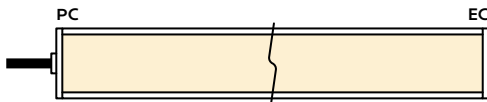


- Specifying a layout is not required to place an order.
- Configuration code applies to full length ordered and will be built per the Continuous Run models on Design Guidelines.
- Connector type subject to change based on availability and listing. Refer to Design Guidelines for details.

HOW TO SPECIFY CONFIGURATIONS

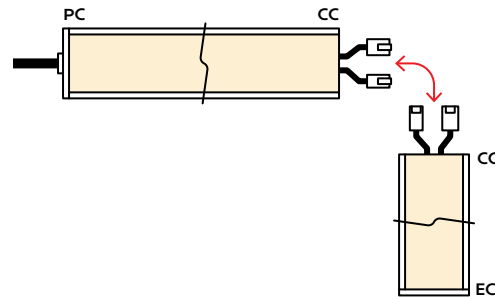
Example: 20' Straight Run

- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-20'-PC-EC



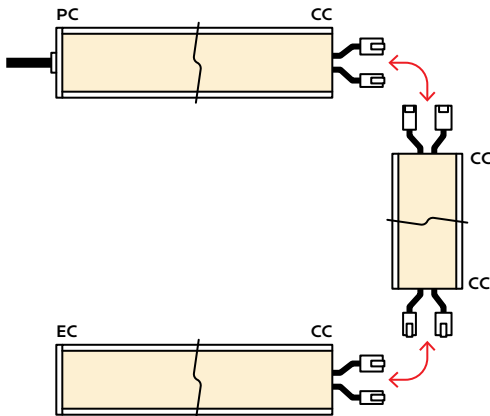
Example: 25' L-Shaped Run

- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-12'-PC-CC
- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-13'-CC-EC



Example: 30' U-Shaped Run

- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-6'-PC-CC
- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-18'-CC-CC
- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-6'-CC-EC



Example: 28' Rectangle Shaped Run

- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-11'-PC-CC
- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-3'-CC-CC
- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-11'-CC-CC
- 1x A1-ZYZY-STN-BIOS-CL-NA-BS-35K-10W-10V-EF-DRY-UNV-3'-CC-EC

