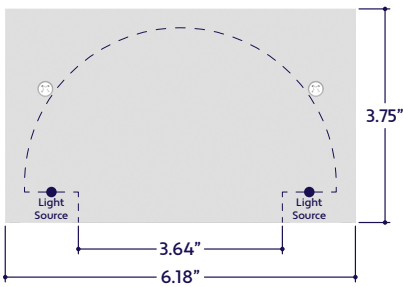


### GENERAL FEATURES

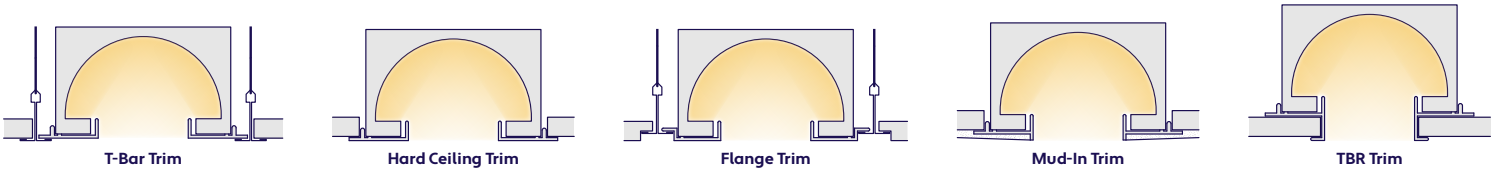
<b>Applications</b>	Indirect Lighting
<b>Lens</b>	Clear
<b>Length</b>	Built to Order (+/- 0.25" Tolerance) See <b>Length Restrictions</b> Table for details
<b>Construction</b>	Aluminum Extrusion
<b>Finish</b>	White
<b>Weight</b>	4.80 lbs per foot
<b>Mounting</b>	Aircraft Cable
<b>Listing</b>	Dry or Damp Location UL1598, CSA C22.2#250.0 UL8750, CSA250 UL2108, 67.1.9, 60.4, CSA C22.2 #9
<b>Driver</b>	Driver on Board or Remote Driver
<b>Temperature Ratings</b>	Operating / Startup: -20° to 48°C (-4° to 120°F) Storage: -40° to 76°C (-40° to 170°F)
<b>FG Installation</b>	
<b>TB Installation</b>	
<b>TBR Installation</b>	
<b>HC Installation</b>	
<b>MI Installation</b>	

### END VIEWS / DIMENSIONS



**Note:** End view dimensions do not include ceiling trims or mounting options. Refer to trim-specific installation instructions for additional details.

### MOUNTING OPTIONS



### SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

Series / Ceiling Trim	BIOS LED	Watts per Foot	Dimming	Listing	Luminaire Voltage <sup>5</sup>	Luminaire Length
Flange Ceiling Trim (A2-ZELO-DUT-BIOS-FG)	BIOS Biological Static: 3500K Daytime* <sup>1</sup> (BS-35K)	3 Watts (3W) 468 Lumens / ft* <sup>4</sup> 4 Watts (4W) 624 Lumens / ft* <sup>4</sup>	0-10V (10V)	Indoor (DRY)	120 - 277 Volts Line Voltage (UNV)	Specify Length in Feet & Inches Example: 7'8"
T-Bar Ceiling Trim (A2-ZELO-DUT-BIOS-TB)	BIOS Biological Dynamic: 3500K Daytime - 3000K Evening* <sup>2</sup> (BD-35K-30K)	6 Watts (6W) 936 Lumens / ft* <sup>4</sup> 8 Watts (8W) 1248 Lumens / ft* <sup>4</sup>	DALI (DALI)	Outdoor (DAMP)	120 Volts Line Voltage (120V)	
T-Bar Return Ceiling Trim (A2-ZELO-DUT-BIOS-TBR)	BIOS Biological Tunable: 3500K Daytime - 2700K Evening* <sup>3</sup> (BT-35K-27K)	10 Watts (10W) 1560 Lumens / ft* <sup>4</sup> 12 Watts (12W) 1872 Lumens / ft* <sup>4</sup>	DMX-512 (DMX)			
Hard Ceiling Trim (A2-ZELO-DUT-BIOS-HC)		16 Watts (16W) 2496 Lumens / ft* <sup>4</sup> 20 Watts (20W) 3120 Lumens / ft* <sup>4</sup>				
Mud-In Ceiling Trim (A2-ZELO-DUT-BIOS-MI)		24 Watts (24W) 3744 Lumens / ft* <sup>4</sup>				

- \*<sup>1</sup> BIOS Biological Static available in standard 3500K Daytime CCT. Consult factory for other color temperature options.
- \*<sup>2</sup> BIOS Biological Dynamic available in standard 3500K Daytime - 3000K Evening CCT gamut. Consult factory for other color temperature options.
- \*<sup>3</sup> BIOS Biological Tunable available in standard 3500K Daytime - 2700K Evening CCT gamut. Consult factory for other color temperature options.
- \*<sup>4</sup> Lumens per Foot based on 35K CCT LED. **Example:** 156 Lumens x 4 Watts = 624 Initial Lumens per Foot.
- \*<sup>5</sup> Remote 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.



### LAMP FEATURES

Lamp Type	BIOS SkyBlue™ LEDs
CRI	> 80
Efficacy*	156 Lumens per Watt

Note: Efficacy is based on Biological Static (BIOS-BS-35K) with Clear Lens (CL).

### LAMP SPECIFICATIONS

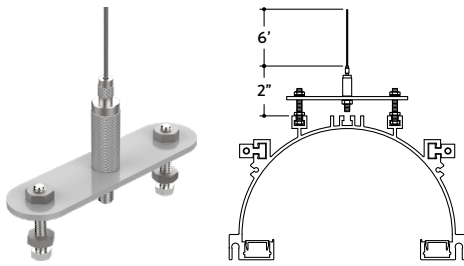
Lamp Number	Description	Efficacy (Lumens per Watt)	L70 LED Life
BIOS-BS-35K	Biological Static: 3500K Daytime	156	
BIOS-BD-35K-30K	Biological Dynamic: 3500K Daytime - 3000K Evening	156	60,000 hrs.
BIOS-BT-35K-27K	Biological Tunable: 3500K Daytime - 2700K Evening	156	

Note: Efficacy is based on 35K CCT LED with Clear Lens (CL).

Note: To calculate Lumens per Foot, multiply Efficacy by Watts per Foot.

Example: 156 Lumens per Watt x 4 Watts per Foot = 624 Lumens per Foot.

### MOUNTING ACCESSORIES (Sold Separately)

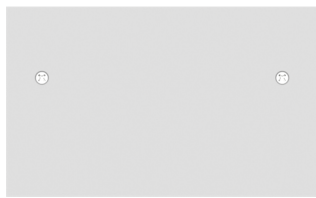


Aircraft Cable Assembly  
(A2-ZELO-DUT-AC-6')

Part #	Qty.
A2-ZELO-DUT-AC-6'	

Note: Use 3 Aircraft Cable Assemblies per 8', rounded up. Consult factory for custom cable lengths.

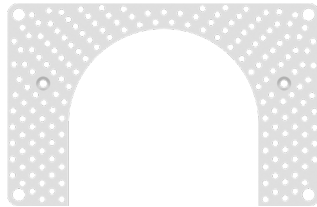
### END CAPS & REFLECTIVE FILM (Sold Separately)



Standard End Cap  
(A2-ZELO-DUT-EC)

Part #	Qty.
A2-ZELO-DUT-EC	

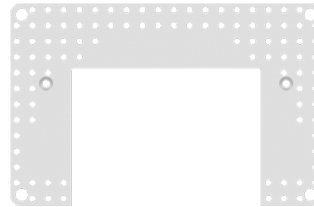
Note: Use 1 Standard End Cap when the run terminates at a flat wall.



Mud-In End Cap with Round Opening  
(A2-ZELO-DUT-EC-RD)

Part #	Qty.
A2-ZELO-DUT-EC-RD	

Note: Use 1 Mud-In End Cap when the run will terminate with an opening.



Mud-In End Cap with Square Opening  
(A2-ZELO-DUT-EC-SQ)

Part #	Qty.
A2-ZELO-DUT-EC-SQ	

Note: Use 1 Mud-In End Cap when the run will terminate with an opening.



Additional Reflective Film  
(A2-ZELO-DUT-RF-X)  
X = Specify Length Below

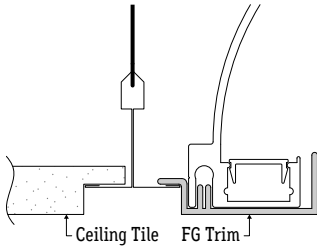
Part #	Qty.
A2-ZELO-DUT-RF-25'	
A2-ZELO-DUT-RF-50'	
A2-ZELO-DUT-RF-75'	
A2-ZELO-DUT-RF-100'	
A2-ZELO-DUT-RF-150'	
A2-ZELO-DUT-RF-200'	
A2-ZELO-DUT-RF-250'	



### TRIM STYLE

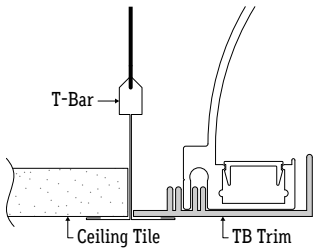
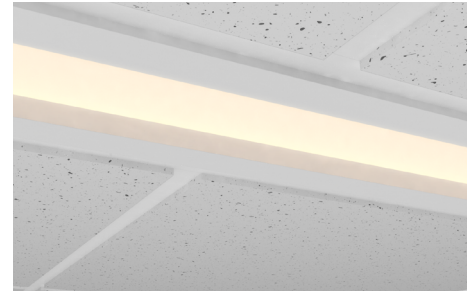
### DESCRIPTION

### FINISHED APPEARANCE



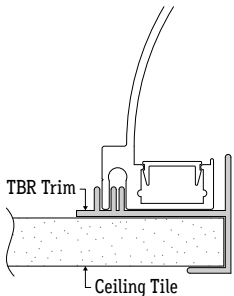
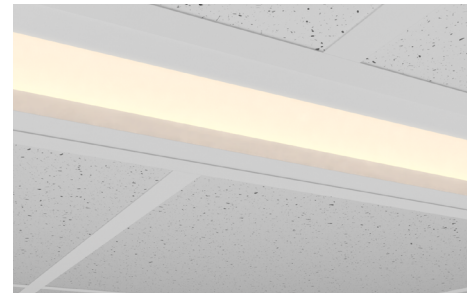
Flange Ceiling Trim  
(A2-ZELO-DUT-FG)

- Compatible with T-Bar ceiling grid systems
- Best used with tegular-edged tiles
- Trim rests on T-Bar grid



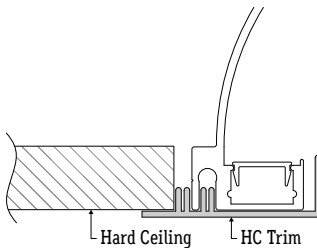
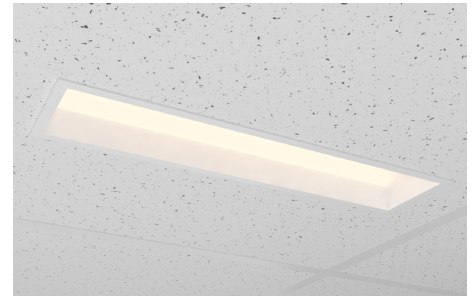
T-Bar Ceiling Trim  
(A2-ZELO-DUT-TB)

- Compatible with T-Bar ceiling grid systems
- Best used with square-edged tiles
- Trim rests on T-Bar grid



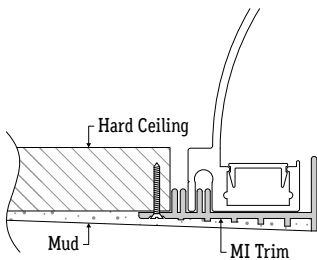
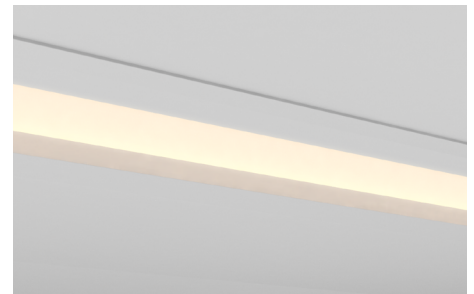
T-Bar Return Ceiling Trim  
(A2-ZELO-DUT-TBR)

- Compatible with T-Bar ceiling grid systems
- Luminaire sits centered within the tile and spans a length shorter than the length of the tile.



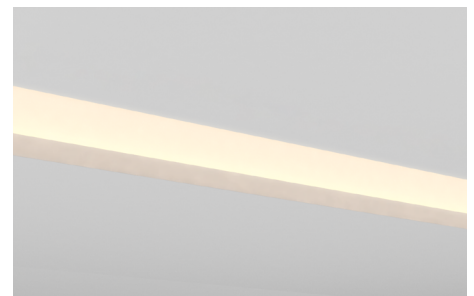
Hard Ceiling Trim  
(A2-ZELO-DUT-HC)

- Compatible suspended hard ceiling systems
- Best used with drywall ceiling
- Trim is flush with ceiling surface



Mud-In Ceiling Trim  
(A2-ZELO-DUT-MI)

- Compatible suspended hard ceiling systems
- Best used with drywall ceiling
- Trim uses mud-in finish for seamless appearance



1170 N Red Gum St, Anaheim, CA 92806

aluz.lighting | info@aluz.lighting | 866.ALUZ.LTG | 714.535.7900

© ALUZ All Rights Reserved. ALUZ reserves the right to make changes or withdraw specifications without prior notice.

Specification Submittal

Page 3 of 5

6 / 14 / 2024 / Rev 9

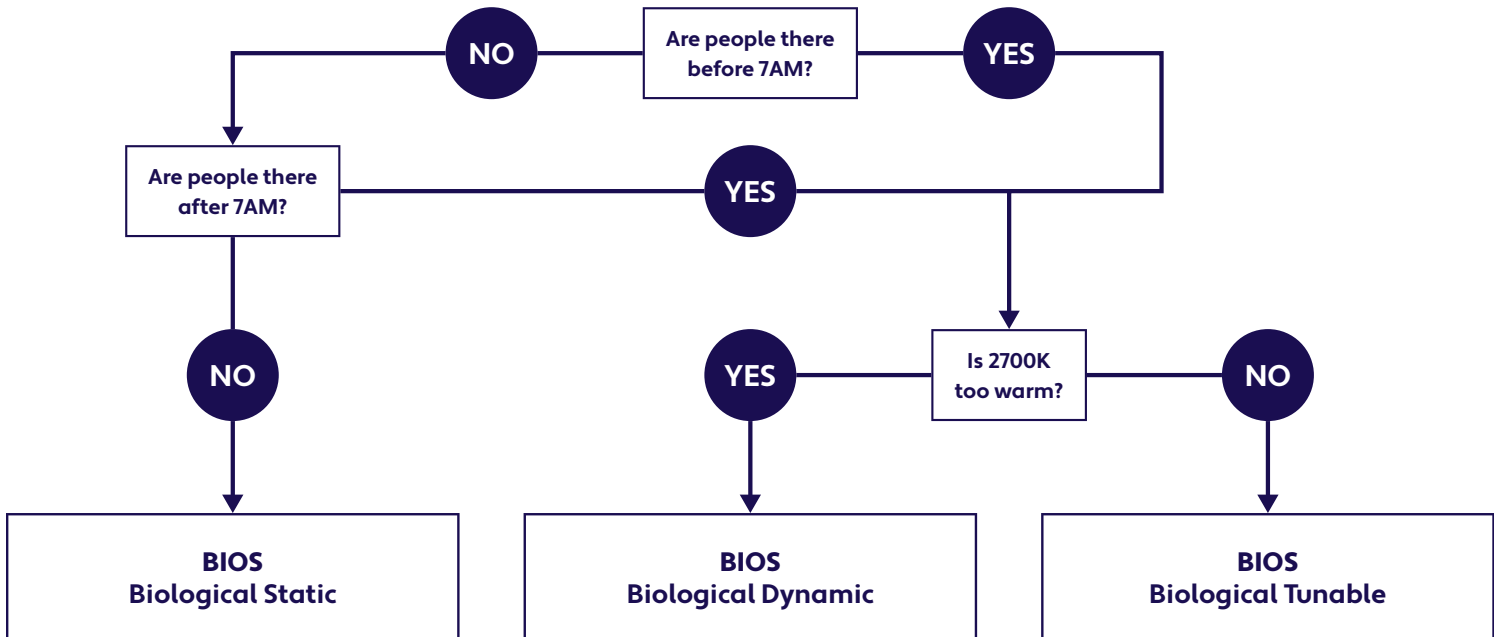
### DELIVERED MELANOPIC RATIOS

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

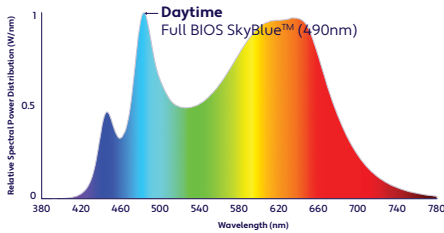
ALUZ offers four different BIOS Circadian LED Solutions – Biological Static, Biological Dynamic, and Biological Tunable White. Use the decision tree below to identify when and where to use BIOS Wellness LED Lighting Solutions .



No CCT Change when Dimmed

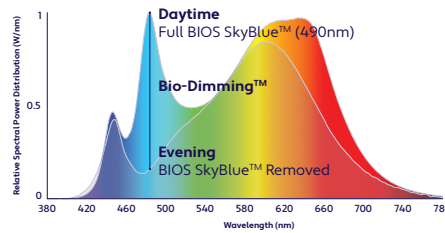
500K Shift when Dimmed<sup>B</sup>

Dims to 2700K



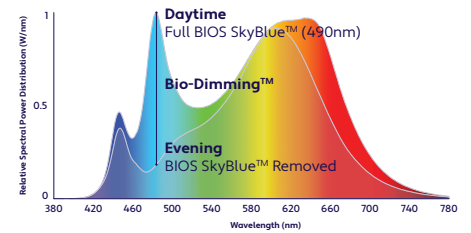
**Daytime Solution**  
(Offices, Medical / Dental Offices)

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.  
(<sup>B</sup>3000K dims to 2700K)

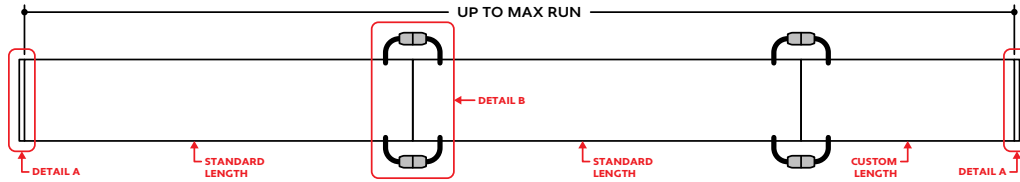


**Daytime + Evening Solution**  
(Offices, Shiftwork)

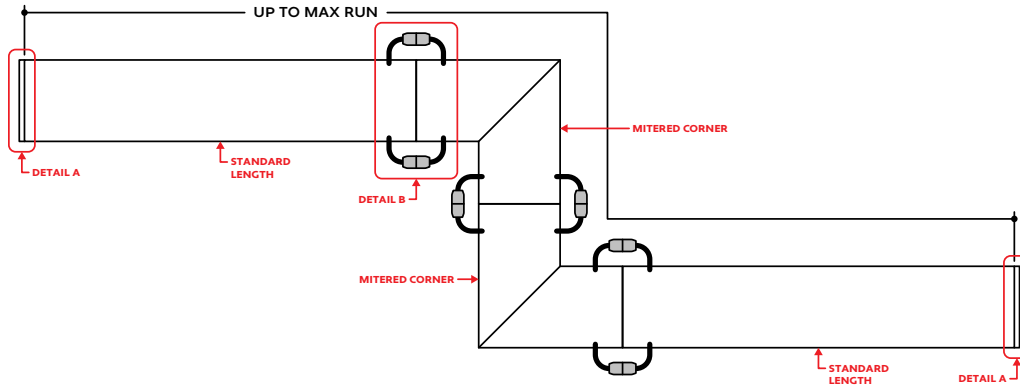
Spaces in operation overnight, after 7PM and before 7AM and people do not sleep there. CCT color shift in the evening not preferred.

### DESIGN GUIDELINES

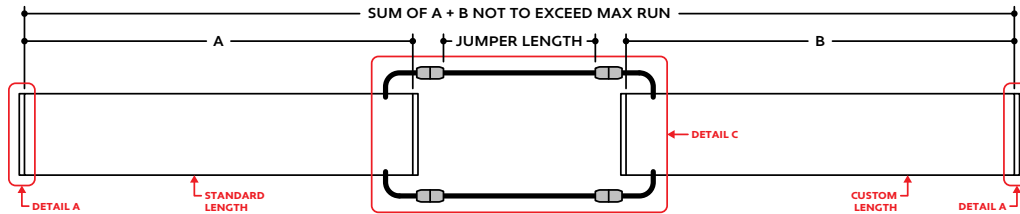
#### Individual Run



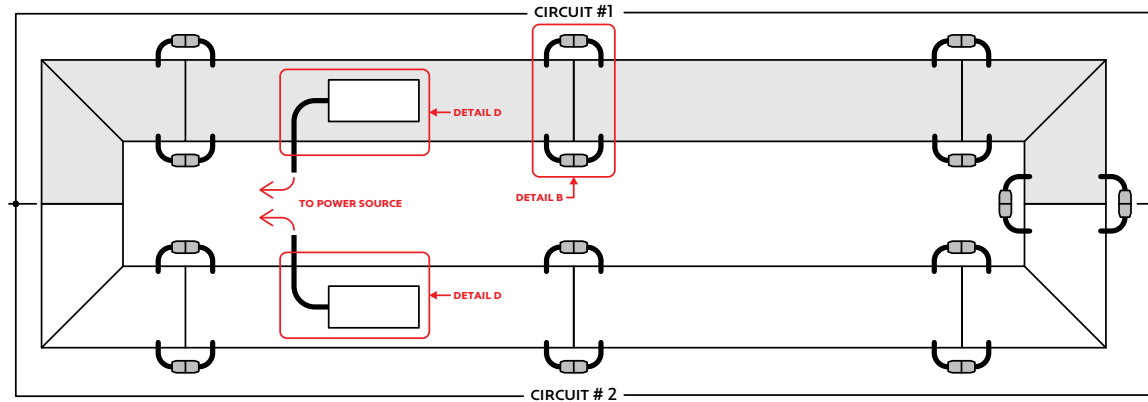
#### Run with Mitered Corners



#### Run with Jumper Cables



#### Continuous Run Exceeding Maximum Run (2 Circuits)



### KEY

- Detail A End Cap:** An end cap is used to terminate each run at either end.
- Detail B Continuous Connection:** Luminaire segments are connected using an included continuous connector. See installation instructions for details.
- Detail C Continuous Connector (Jumper):** Used to span a corner or traverse a gap, corner, or obstacle in the installation area.
- Detail D Remote Driver:** For T-Bar ceiling grid applications, the driver may be mounted on top of the luminaire. See installation instructions for details.

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

1170 N Red Gum St, Anaheim, CA 92806

aluz.lighting | info@aluz.lighting | 866.ALUZ.LTG | 714.535.7900

© ALUZ All Rights Reserved. ALUZ reserves the right to make changes or withdraw specifications without prior notice.

Specification Submittal

Page 5 of 5

6 / 14 / 2024 / Rev 9