CALI
CALIFORNIA ACCENT LIGHTING INC

ALS500T-DBR-FG | INDIRECT LIGHTING

PROJECT **TYPE**

SINGLE BIN +-30K

RoHS COMPLIANT

DRY DAMP

☑ TM-30
☑ LM-79
☑ LM-80

MADE IN U.S.A.

Labels (diagram):
- Connector Block (Included)
- ± 0.15" Tolerance
- Transformer
- Aluminum Extrusion (ALS500T-DBR)
- Flange Ceiling Trim (ALS500T-DBR-FG)
- Frosted Lens
- Flange Ceiling Trim (ALS500T-DBR-FG)
- Frosted Lens

END VIEW (Does Not Include Mounting Options)

Dimensions: 6.48", 5.81", 3.83", .32", .32", 1.53", 3.76", 1.53", 6.82"

FEATURES

APPLICATIONS	Indirect Lighting
LAMP TYPE	High Output LEDs (No Mercury)
CRI	>90
EFFICACY	71 Lumens per Watt (Based on 3.5K CCT LED)
LENS	Clear
LENGTH	Built to Order
CONSTRUCTION	Aluminum Extrusion
WEIGHT	4.80 lbs per foot
MOUNTING	Aircraft Cable
LISTING	Dry or Damp Location UL1598, CSA C22.2#250.0 UL8750, CSA250 UL2108, CSA C22.2 #9
INSTALLATION	Link to Installation Instructions

ELECTRICAL

DIMMING	0-10V, Lutron, DMX, DALI
MAXIMUM RUN (Class 2 Applications)	21' (4W), 14' (6W), 10' (8W), 8' (10W), 7' (12W), 5' (16W), 3' (24W)
PRIMARY VOLTAGE*6	120V - 277V (UNV)
SECONDARY VOLTAGE	24VDC
DRIVER	Remote
TEMPERATURE RATINGS	Operating / Startup: –20° to 48°C (–4° to 120°F)
	Storage: –40° to 76°C (–40° to 170°F)

LAMP SPECIFICATIONS

LAMP NUMBER	CORRELATED COLOR TEMPERATURE	L70 LED LIFE
2.4K	2400K Incandescent White	60,000 hrs.
2.7K	2700K Warm White	60,000 hrs.
3.0K	3000K Warm White	60,000 hrs.
3.5K	3500K Neutral White	60,000 hrs.
4.0K	4000K Neutral White	60,000 hrs.
4.5K	4500K Neutral White	60,000 hrs.
5.0K	5000K Cool White	60,000 hrs.
5.7K	5700K Cool White	60,000 hrs.
R	Red (621nm)	40,000 hrs.
G	Green (525nm)	40,000 hrs.
B	Blue (470nm)	40,000 hrs.
A	Amber (589nm)	40,000 hrs.

SERIES / CEILING TRIM	FINISH	CCT LED	WATTS PER FOOT	DIMMING	LISTING	LUMINAIRE VOLTAGE*6	FIXTURE LENGTH
ALS500T-DBR-FG	-	-	-	-	-	UNV	-
Flange Ceiling Trim (ALS500T-DBR-FG)	White (WH)	2400K (2.4K)	2 Watts x 2 = 4 Watts: 284 Lumens/ft*1 (4W)	0-10V: 100% - .1% (10V)	Indoor (DRY)	120 - 277 Volts Line Voltage*7 (UNV)	Specify Length in Feet & Inches Example: 12'7"
	Satin (SA)	2700K (2.7K)	3 Watts x 2 = 6 Watts: 426 Lumens/ft*1 (6W)	0-10V: 100% - 1% (10V-1%)			
	Black (BK)	3000K (3.0K)	4 Watts x 2 = 8 Watts: 568 Lumens/ft*1 (8W)	0-10V: 100% - 10% (10V-10%)	Outdoor (DAMP)		
		3500K (3.5K)	5 Watts x 2 = 10 Watts: 710 Lumens/ft*1 (10W)	Hi-Lume 1% 2 Wire*2 (2Wire)			
		4000K (4.0K)	6 Watts x 2 = 12 Watts: 852 Lumens/ft*1 (12W)	Hi-Lume 1% 3 Wire*3 (3Wire)			
		4500K (4.5K)	8 Watts x 2 = 16 Watts: 1136 Lumens/ft*1 (16W)	JA8 0-10V (JA8-10V)			
		5000K (5.0K)	12 Watts x 2 = 24 Watts: 1704 Lumens/ft*1 (24W)	JA8 2 Wire (JA8-2WR)			
		5700K (5.7K)		DMX-512*4 (DMX)			
		Red (R)		DALI*5 (DALI)			
		Green (G)					
		Blue (B)					
		Amber (A)					

*1 Lumens per foot based on 3.5K CCT LED.
  Example: 71 Lumens x 8 Watts = 568 Lumens per Foot
*2 40 watt max Lutron Hi-Lume 1% 2 Wire (LTEA2W) #LTEA4U1UKL-CV240
*3 40 watt max Lutron Hi-Lume 1% 3 Wire (L3DA3W) #L3DA4U1UKL-CV240
*4 Default DMX address of each fixture is 001. Consult third party DMX commissioner to modify at time of installation

*5 DALI commissioning to be performed by a third party at time of installation.
  CALI does not provide DALI commissioning
*6 Lutron drivers primary voltage 120V
*7 Remote drivers wattage sized based on length of run.
  Example: 10' run x 6 watts per foot = 60 watts. Driver will be sized to 60 watts maximum.

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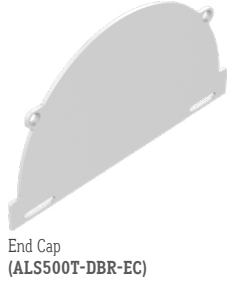## ALS**500T-DBR-FG** | INDIRECT LIGHTING

MOUNTING OPTIONS

Aircraft Cable Assembly
(ALS500T-DBR-AC-X)
(X = Specify Cable Length)
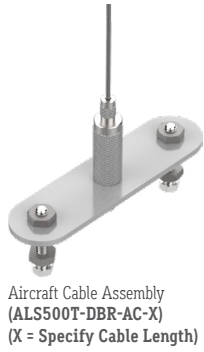
DIAGRAM OF ASSEMBLY (Aircraft Cable)

Aircraft Cable
Aircraft Cable Assembly
Tie Wire
Tie Wire
Connector Block
Flange
Flange
Trim Retention Springs
Ceiling Tile
Flange Ceiling Trim
Flange Ceiling Trim
Ceiling Tile
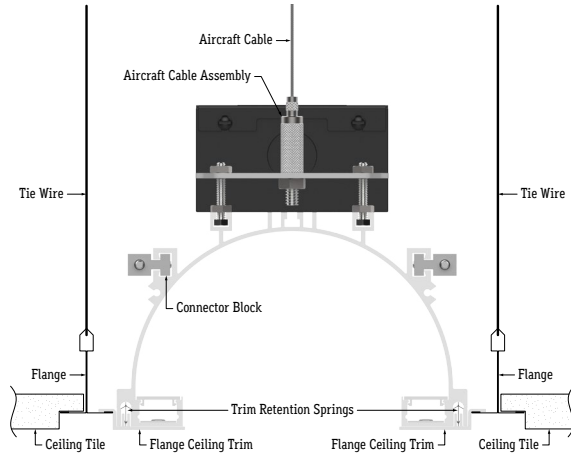
PART NUMBER	SPECIFY LENGTH	SPECIFY FINISH	SPECIFY QUANTITY	UNIT
ALS500T-DBR-EC	N/A			Each
ALS500T-DBR-90D	N/A			Each
ALS500T-DBR-AC-X		N/A		Each

ACCESSORIES (Sold Separately)

End Cap
(ALS500T-DBR-EC)

Miter Corner (can be used for interior and exterior corners)
(ALS500T-DBR-90D)

12"
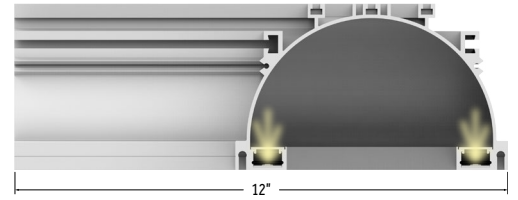
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DESIGN GUIDELINES

Detail B
Detail E
Detail F
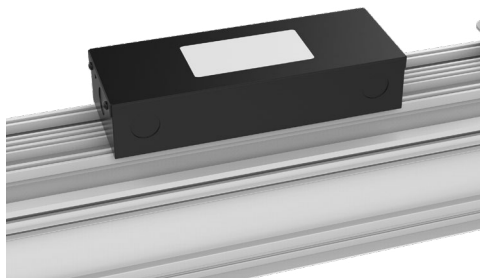Detail D
Detail C
Detail A
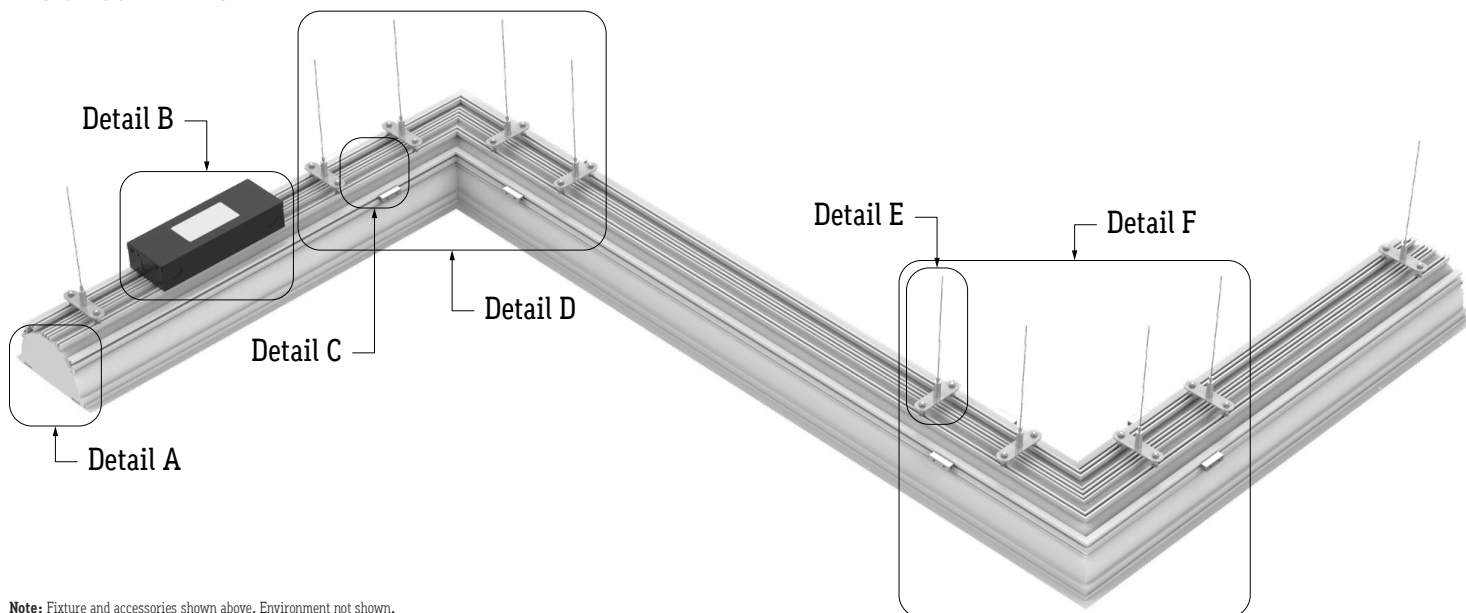
Note: Fixture and accessories shown above. Environment not shown.

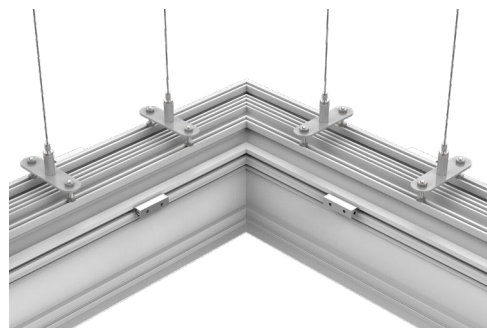
DETAILS
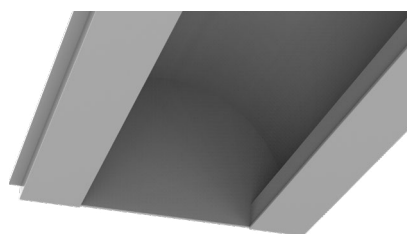
Detail A
End Cap
(ALS500T-DBR-EC)

Detail B
Driver Assembly
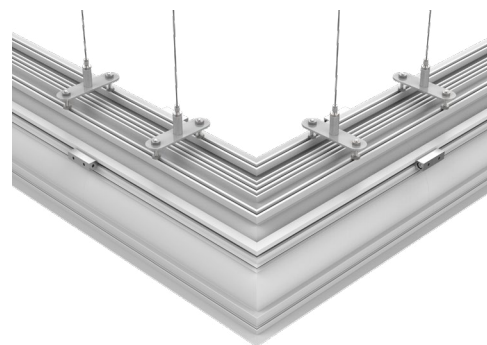**Note: Appearance may vary**

Detail C
Continuous Connection

Detail D
Interior Corner
(ALS500T-DBR-90D)

Detail E
Aircraft Cable Assembly
(ALS500T-DBR-AC-X)
(X = Specify Length)

Detail F
Exterior Corner
(ALS500T-DBR-90D)

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