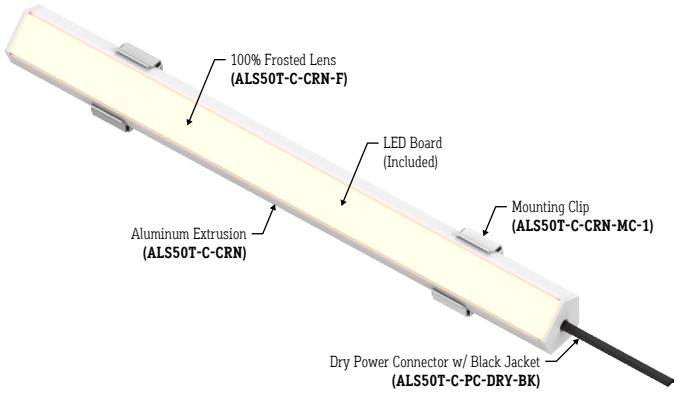
CALI
CALIFORNIA ACCENT LIGHTING INC

ALS50T-C



TYPE

JA8 | SINGLE BIN +-30K | RoHS COMPLIANT | DRY/WET IP67 | TM-30 LM-79 LM-80 | MADE IN U.S.A.

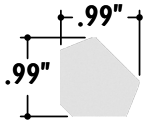
GENERAL FEATURES

APPLICATIONS	Accent, Cove, Under Cabinet Lighting
LENS	Clear, 50% Semi-Frosted, or 100% Frosted
OPTICS & ASYMMETRIC	15°, 30°, 45°, 60°, 120°, or Asymmetric Optics
LENGTH	Built to Order (± 1/8" Tolerance)
CONSTRUCTION	Aluminum Extrusion
WEIGHT	0.44 lbs per foot
MOUNTING	Mounting Clips (Sold Separately)
LISTING	Dry, Wet, or IP67 Location UL1598, CSA C22.2#250.0 UL8750, CSA250 UL2108, 67.1.9, 60.4, CSA C22.2 #9
DRIVER	Remote
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 to Installation Instructions

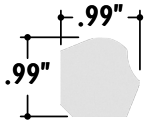
ELECTRICAL

DIMMING	0-10V, Forward / Reverse Phase, Lutron, DMX, DALI
MAXIMUM RUN (Class 2 Applications)	36' **(1.5W, 2W)**, 28' **(3W)**, 21' **(4W)**, 17' **(5W)**, 14' **(6W)**, 10' **(8W)**, 7' **(12W)**
LUMINAIRE VOLTAGE	120V - 277V **(UNV)** 120V (Lutron LTEA Only)

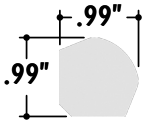
END VIEWS / DIMENSIONS



Clear Lens **(CL)**
50% Semi-Frosted Lens **(SF)**
100% Frosted Lens **(F)**



Asymmetric Lens **(ASM)**



Optic Lens
(15D, 30D, 45D, 60D)

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 **(ASM)**
Slight Diode Image
18% Loss Factor

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

SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

SERIES	LENS / OPTICS	FINISH	CCT LED	WATTS PER FOOT	DIMMING	LISTING	LUMINAIRE VOLTAGE	LUMINAIRE LENGTH
ALS50T-C								
ALS50T-C **(ALS50T-C)**	Clear Lens **(CL)**	Natural Silver*1 **(NA)**	2400K **(24K)**	1.5 Watts: 190 Lumens / ft*2 **(1.5W)**	0-10V: 100% - 1% **(10V)**	Indoor **(DRY)**	120V - 277V **(UNV)**	Specify Length in Feet & Inches **Example:** 7'8"
	50% Semi-Frosted Lens **(SF)**	Silver **(SR)**	2700K **(27K)**	2 Watts: 254 Lumens / ft*2 **(2W)**	Phase Dimming: Forward Phase / Reverse Phase **(PH)**			
		White **(WH)**	3000K **(30K)**	3 Watts: 381 Lumens / ft*2 **(3W)**		Outdoor **(DAMP)**	120V (LTEA Only) **(120V)**	
	100% Frosted Lens **(F)**	Satin **(SA)**	3500K **(35K)**	4 Watts: 508 Lumens / ft*2 **(4W)**	Hi-Lume 1% 2 Wire*3 **(LTEA)**			
	Asymmetric Lens **(ASM)**	Black **(BK)**	4000K **(40K)**	5 Watts: 635 Lumens / ft*2 **(5W)**	Hi-Lume 1% 3 Wire*4 **(L3DA)**	Outdoor*8 **(WET)**		
			4500K **(45K)**	6 Watts: 762 Lumens / ft*2 **(6W)**	Hi-Lume Premier 0.1% JA8*5 **(L3D0)**			
	15° Optics **(15D)**		5000K **(50K)**	8 Watts: 1016 Lumens / ft*2 **(8W)**	DMX-512*6 **(DMX)**	Outdoor IP67*8 **(IP67)**		
	30° Optics **(30D)**		5700K **(57K)**	12 Watts: 1524 Lumens / ft*2 **(12W)**	DALI*7 **(DALI)**			
	45° Optics **(45D)**		Red **(R)**		JA8 0-10V **(JA8-10V)**			
	60° Optics **(60D)**		Green **(G)**		JA8 Hi-Lume 1% 2 Wire*3 **(JA8-LTEA)**			
			Blue **(B)**					
			Amber **(A)**					

Note: See page 2 for ordering notes & restrictions.

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ORDERING NOTES & RESTRICTIONS

Note: Remote drivers sized based on wattage per length. **Example:** 10 feet x 8 Watts = 80 Watts. Driver will be sized based on 80 Watts.
*[1] Default finish is Natural Silver **(NA)** if left blank.
*[2] Lumens per Foot based on 35K CCT LED with Clear Lens **(CL)**. **Example:** 127 Lumens x 1.5 Watts = 190 Lumens per Foot.
*[3] **(LTEA)** 40 watt max Hi-Lume 1% LTEA2W #LTEA4U1UKL-CV240
*[4] **(L3DA)** 40 watt max Hi-Lume 1% L3DA3W #L3DA4U1UKL-CV240
*[5] **(L3D0)** 96 watt max Hi-Lume Premier 0.1% #L3D0-96W24V-U
*[6] Default DMX address of each fixture is 001. Consult third party DMX commissioner to modify at time of installation.
*[7] DALI commissioning to be performed by a third party at time of installation. CALI does not provide DALI commissioning.
*[8] Wet **(WET)** and IP67 **(IP67)** rated products only available in 1.5W, 2W, 3W, 4W, and 5W.

LAMP FEATURES

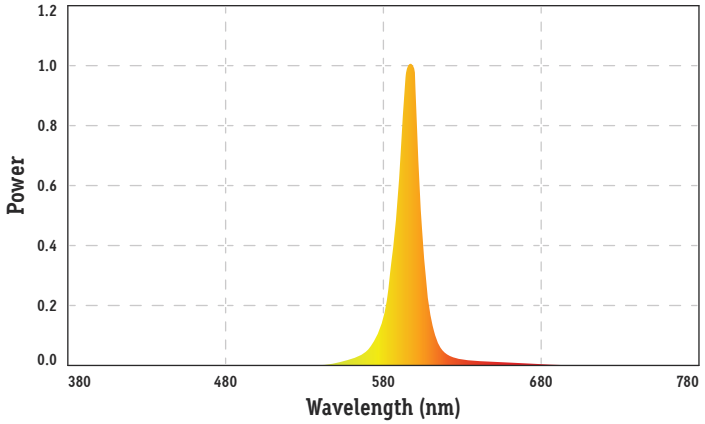
LAMP TYPE	High Output LEDs (No Mercury)
CRI	> 95
EFFICACY (Based on 35K CCT LED with Clear Lens)	127 Lumens per Watt

LAMP SPECIFICATIONS

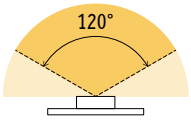
LAMP NUMBER	CORRELATED COLOR TEMPERATURE / DESCRIPTION	EFFICACY (Lumens per Watt)	L70 LED LIFE
24K	2400 Kelvin (Incandescent White)	127	60,000 hrs.
27K	2700 Kelvin (Warm White)	127	
30K	3000 Kelvin (Warm White)	127	
35K	3500 Kelvin (Neutral White)	127	
40K	4000 Kelvin (Neutral White)	127	
45K	4500 Kelvin (Neutral White)	127	
50K	5000 Kelvin (Cool White)	137	
57K	5700 Kelvin (Cool White)	137	
R	Red (621nm)	70	40,000 hrs.
G	Green (525nm)	139	
B	Blue (470nm)	40	
A	Amber (590nm)	128	

Note: The specifications Standard Output **(SO)**, Mid Output **(MO)**, and High Output **(HO)** have been replaced by a single output equivalent to High Output **(HO)**.
To calculate Lumens per Foot, multiply Efficacy by Watts per Foot.
Example: 127 Lumens per Watt x 1.5 Watts per Foot = 190 Lumens per Foot.

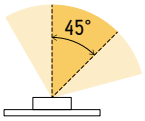
SPECTRAL POWER DISTRIBUTION AMBER LED (590nm) TURTLE FRIENDLY



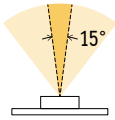
BEAM ANGLES



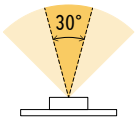
120° x 120° Beam
Clear Lens **(CL)**
50% Semi-Frosted Lens **(SF)**
100% Frosted Lens **(F)**



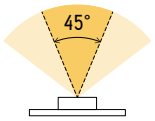
45° x 60° Beam
Asymmetric Lens
(ASM)



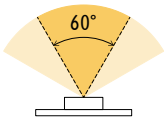
15° x 60° Beam
Optic Lens
(15D)



30° x 60° Beam
Optic Lens
(30D)



45° x 60° Beam
Optic Lens
(45D)



60° x 60° Beam
Optic Lens
(60D)

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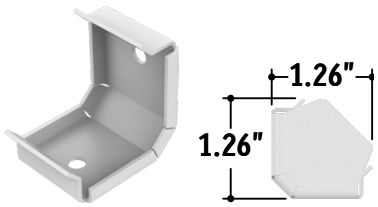
DRIVERS

DIMMING SELECTION	PRODUCT CODE	LINK TO SPECIFICATION SHEET / URL
0-10V: 100% - 1%	(10V)	https://www.calilighting.com/assets/pdf/drivers/Drivers-Brochure.pdf
Phase Dimming: Forward Phase / Reverse Phase	(PH)	https://www.calilighting.com/assets/pdf/drivers/Drivers-Brochure.pdf
Hi-Lume 1% 2 Wire*[3]	(LTEA)	https://www.calilighting.com/assets/pdf/LutronDrivers/Lutron-Drivers.pdf
Hi-Lume 1% 3 Wire*[4]	(L3DA)	https://www.calilighting.com/assets/pdf/LutronDrivers/Lutron-Drivers.pdf
Hi-Lume Premier 0.1% JA8*[5]	(L3D0)	https://www.calilighting.com/assets/pdf/LutronDrivers/Lutron-Drivers.pdf
DMX-512*[6]	(DMX)	https://www.calilighting.com/assets/pdf/drivers/DRV100-E.pdf
DALI*[7]	(DALI)	https://www.calilighting.com/assets/pdf/drivers/DRV100-E.pdf
JA8 0-10V	(JA8-10V)	https://www.calilighting.com/assets/pdf/drivers/Drivers-Brochure.pdf
JA8 Hi-Lume 1% 2 Wire*[3]	(JA8-LTEA)	https://www.calilighting.com/assets/pdf/LutronDrivers/Lutron-Drivers.pdf

MOUNTING OPTIONS (Sold Separately)

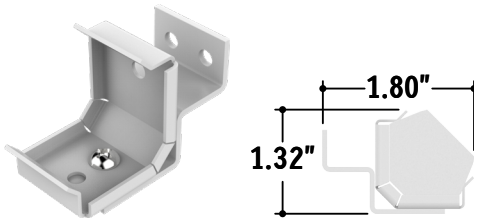
Note: Mounting clips are only available in Natural Silver Finish, unless otherwise specified.



Mounting Clip 1
(ALS50T-C-MC-1)

PART #	QTY.
ALS50T-C-MC-1	

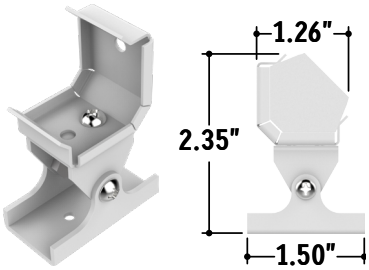
Note: Use 1 mounting clip per 2', rounded up.
Click on image to see cut sheet for additional details.



Mounting Clip 2
(ALS50T-C-MC-2)

PART #	QTY.
ALS50T-C-MC-2	

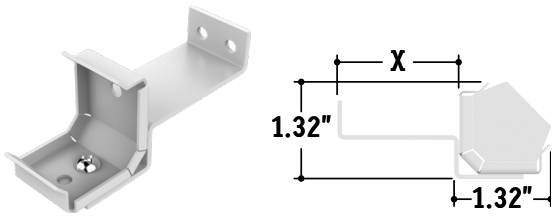
Note: Use 1 mounting clip per 2', rounded up.
Click on image to see cut sheet for additional details.



Mounting Clip 3
(ALS50T-C-MC-3)

PART #	QTY.
ALS50T-C-MC-3	

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



Mounting Clip 4
(ALS50T-C-MC-4-X) X = Specify Length

PART #	LENGTH	QTY.
ALS50T-C-MC-4-		

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

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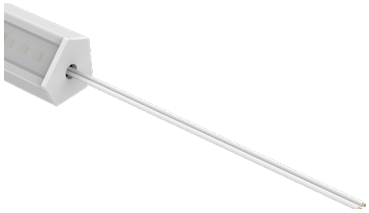
DRY CONNECTORS (Sold Separately)

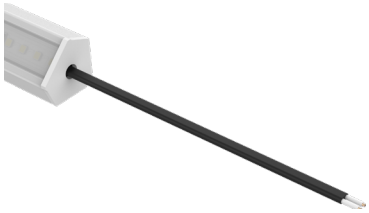
Note: Connectors are factory assembled to each run length.



Dry Power Connector
(ALS50T-C-PC-DRY-X)
X = Specify Length, 36" Default, 25' Maximum

PART #	LENGTH	QTY.
ALS50T-C-PC-DRY-	36"	
ALS50T-C-PC-DRY-		

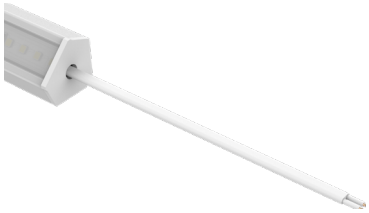
Note: Specify 1 Power Connector for each lead required. Power Connectors are factory assembled to each length.



Dry Power Connector with Black Jacket
(ALS50T-C-PC-DRY-BK-X)
X = Specify Length, 36" Default, 25' Maximum

PART #	LENGTH	QTY.
ALS50T-C-PC-DRY-BK-	36"	
ALS50T-C-PC-DRY-BK-		

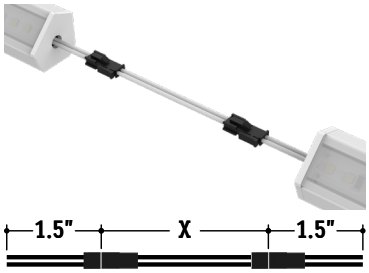
Note: Specify 1 Power Connector for each lead required. Power Connectors are factory assembled to each length.



Dry Power Connector with Black Jacket
(ALS50T-C-PC-DRY-WH-X)
X = Specify Length, 36" Default, 25' Maximum

PART #	LENGTH	QTY.
ALS50T-C-PC-DRY-WH-	36"	
ALS50T-C-PC-DRY-WH-		

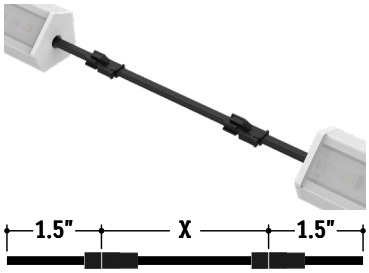
Note: Specify 1 Power Connector for each lead required. Power Connectors are factory assembled to each length.



Dry Continuous Connector
(ALS50T-C-CC-DRY-BK-X)
X = Specify Length, 3" Default

PART #	LENGTH	QTY.
ALS50T-C-CC-DRY-	3"	
ALS50T-C-CC-DRY-		

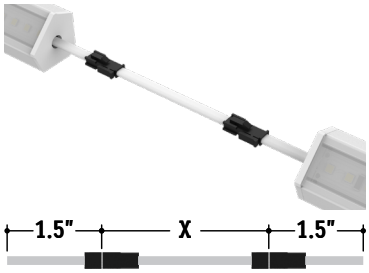
Note: Specify Continuous Connectors to traverse a gap or obstacle. Continuous Connectors are factory assembled to specified lengths.



Dry Continuous Connector with Black Jacket
(ALS50T-C-CC-DRY-BK-X)
X = Specify Length, 3" Default

PART #	LENGTH	QTY.
ALS50T-C-CC-DRY-BK-	3"	
ALS50T-C-CC-DRY-BK-		

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



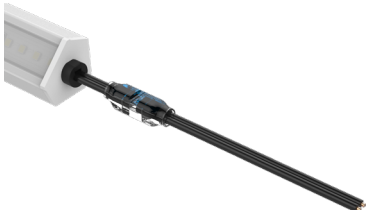
Dry Continuous Connector with White Jacket
(ALS50T-C-CC-DRY-WH-X)
X = Specify Length, 3" Default

PART #	LENGTH	QTY.
ALS50T-C-CC-DRY-WH-	3"	
ALS50T-C-CC-DRY-WH-		

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

WET CONNECTORS (Sold Separately)

Note: Connectors are factory assembled to each run length.



Wet Power Connector
(ALS50T-C-PC-WET-X)
X = Specify Length, 36" Default, 25' Maximum

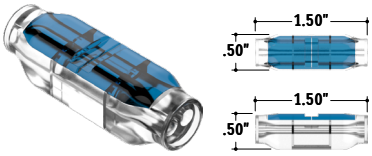
PART #	LENGTH	QTY.
ALS50T-C-PC-WET-	36"	
ALS50T-C-PC-WET-		

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

Wet Continuous Connector
(ALS50T-C-CC-WET-X)
X = Specify Length, 3" Default

PART #	LENGTH	QTY.
ALS50T-C-CC-WET-	3"	
ALS50T-C-CC-WET-		

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



Wet Splice Connector
(ALS50T-C-SC-WET)

PART #	QTY.
ALS50T-C-SC-WET	

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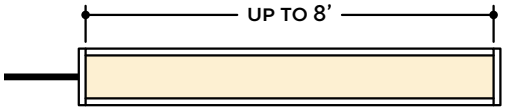
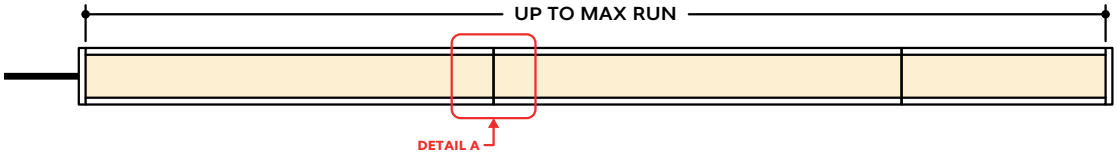
DESIGN GUIDELINES

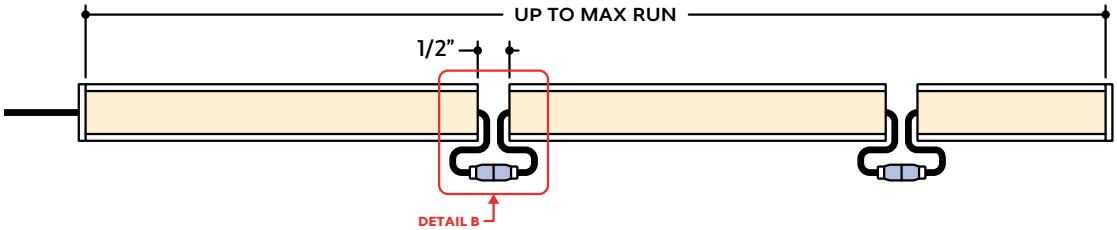
Individual Fixture



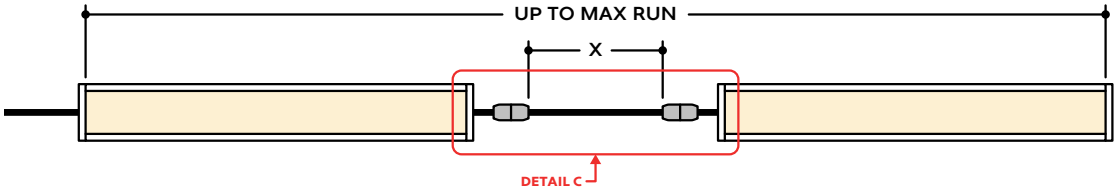
Continuous Run (Dry Location)



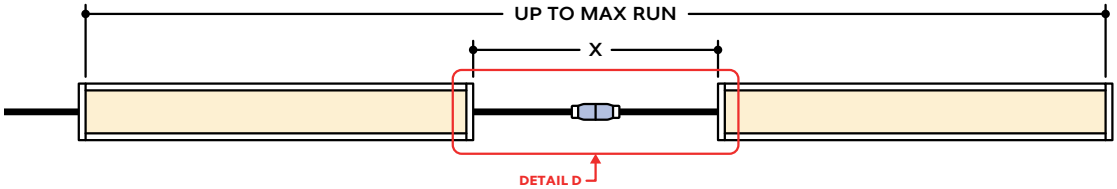
Continuous Run (Wet Location)



Runs with Continuous Connector (Dry Location)



Runs with Continuous Connector (Wet Location)



KEY

DETAIL A	**Continuous Connection (Dry Location):** Luminaire segments connect using pins, leaving no gaps between segments, with a mounting clip holding the two segments together. Refer to installation instructions for additional information.
DETAIL B	**Continuous Connection (Wet Location):** Luminaire segments are connected using a provided splice connector, with a 1/2" gap between segments.
DETAIL C	**Dry Continuous Connector:** Used to span a corner or traverse a gap, corner, or obstacle in a dry location installation area.
DETAIL D	**Wet Continuous Connector:** Used to span a corner or traverse a gap, corner, or obstacle in a wet location installation area.

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

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