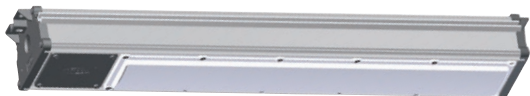


LIGHTING

LAL/LALXE/LALC SERIES



LINEAR LED TECHNOLOGY



Segurança
N IEx



Class I, Div. 2, Groups A, B, C, D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E, F, G
AEx nAll, Ex nAll
Wet Locations
Type 4X
IP66

Marine Rated (US only)

Certified - File LR11713

IECEX Rated

Zone 2 and Zone 21 areas

Ex nA IIC T6 to T3, Gc

Ex tb IIC T95°C Db

Tamb -50°C < Tz < +65°C, IP66

IECEX Certificate
QPS 15.0010

ATEX Certificate

CML 15ATEX4081X (nA)

&

CML15ATEX3082X (tb)

LINEARLITE® *

* marca registrada MEXICO

FEATURES-SPECIFICATIONS

Applications

ABS (American Bureau of Shipping) type approval for use on decks, vessels, platforms, barges, ships and boats. Also suitable for docks and marinas.

Compliances

- UL-8750 for LED lighting
- ANSI/UL 1598(A)
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- IEC suffix Zone 2/21 to IEC 60079-0, 60079-15, 60079-31 Standards
- Enclosed and gasketed
- Type 3, 4X
- IP66

Materials

- Housing – one piece natural finish < .1% copper-free aluminum extrusion
- Endcaps & wiring – Access covers are copper-free (< .4%) aluminum with gray baked powder epoxy-polyester finish, electrostatically applied for complete uniform corrosion resistance.
- External screws are 316 stainless steel
- Lens – Impact resistant polycarbonate lens available in diffuse or clear

Supplemental **20KA/10KV Surge Protection** is **standard** (for 120-277 VAC models)
10KA/10KV Surge Protection (for 347-480 VAC)

LAL & LALxE Product Features

- LALxE models have “built-in” battery backup for 90 or 180 minute emergency exit
- Shallow design minimizes profile in work areas with low ceiling heights
- Diffuse Lens Standard to minimize glare; Clear Lens available
- Polycarbonate Single Lens 18W to 60W; Double Lens model 80W & 120W
- Slot Back Design allows multiple mounting access points across length – slots can also be used with 5/16” or 8mm bolts & nuts, 3 housing slots, 1 center back and 2 at 45°.
- Variety of mounting options including swivel brackets, wall, ceiling brackets, or beam clamps
- End Caps each have 2 mounting feet built-in plus a safety strap attachment point
- Standard unit End Caps each have single a 3/4” NPT hub, and fixture is furnished with one 3/4” close-up plug and two 3/4” to 1/2” reducers – provides out of the box 1/2” dead-end to 3/4” feed-through flexibility. Metric openings are available.
- Standard LALs have one wiring Access Plate for easy access to driver leads.

LED Features and Standards

- Many Midpower LEDs blend light to simulate fluorescent tubes
- Chromaticity outputs:
standard – 5000K 70 CRI
3590 option – 3500K 90 CRI
3070 option – 3000K 70 CRI
- 3590 option is not available on the LALC
- 3070 option is only available on the LALC 15-45 watt.
- Energy Savings – High lumens per watt
- LED Array Life – 100,000+ hours with 70% initial lumens
- Long Fixture Life – 50,000 - 55,000 maintenance free hours
- Ambient suitability -40°C to 65°C (see tables). **-20°C to 50°C Ambient suitability for Emergency models.**
- Instant On – Including after power interruption
- World Voltage 120 - 277VAC 50/60Hz
- Solder-LESS LED Board Connections – Vibration Resistant

KILLARK®

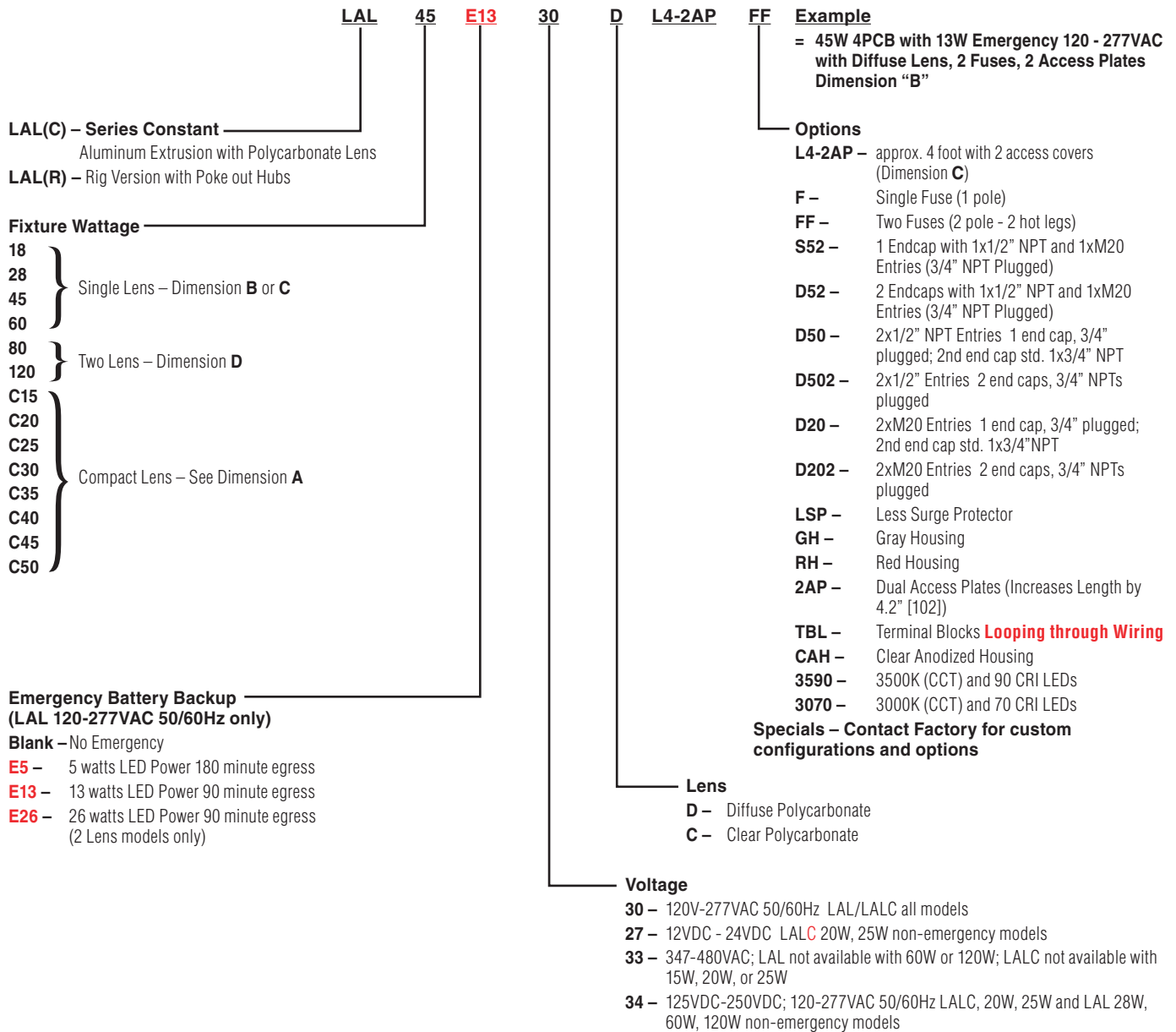
SEE WWW.HUBBELL-KILLARK.COM LIGHTING SOFTWARE FOR LATEST LED PHOTOMETRY





LAL/LALXE/LALC SERIES

CATALOG LOGIC



Energy Savings

LED VS FLUORESCENT WATTAGE & DELIVERED LUMENS						
CATALOG NUMBER	LUMENS	L/W	FLUORESCENT		LUMENS	L/W
LAL1830C	2479	138	40W	1x40W BX	2471	63
LAL2830C	3624	129	55W	1x55W BX	3766	65
LAL4530C	5515	122	56W	2x28T5	4676	71
			64W	2x32T8	4772	80
LAL6030C	7709	128	108W	2x54T5HO	8088	67
			120W	2x60T12HO	6965	56
LAL8030C	11032	138	162W	3x54T5HO	11619	65

LIGHTING

LAL/LALXE/LALC SERIES



ORDERING INFORMATION

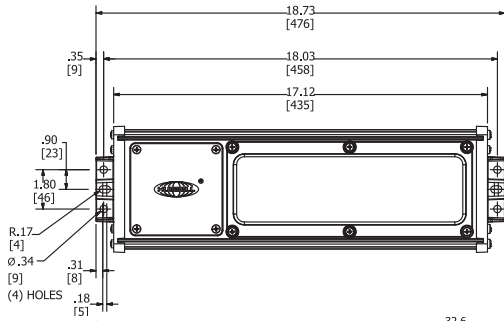
ORDERING INFORMATION AND AMBIENT SUITABILITY							C1D2 ABCD/ ZONE 2 IIC, IIB, IIA			C1D2 GRPS. EFG SIMULTANEOUS			C2D1 GRPS. EFG			IEC ZONE 2			IEC ZONE 21								
CATALOG NUMBER W/ DIFFUSE LENS	WEIGHT LBS./KG	WATTS STD. POWER	LENGTH STYLE - INCHES (MM)	VOLTAGE	AMPS	DELIVERED LUMENS DIFFUSE/ CLEAR	40°C	55°C	65°C	40°C	55°C	65°C	40°C	55°C	65°C	40°C	55°C	65°C	40°C	55°C	65°C						
LAL1830D	17.9 / 8.1	18	B-32.6 (828)	120-277VAC	0.15 - 0.06	2272 / 2479	T6	T6	T5	T4A	T4A	T4A	T4A	T4A	T4A	T6	T6	T5	T4	T4	T4						
LAL1830D-L4-2AP	21.9 / 9.9		C-51 (1295)				T6	T6	T5	T4A	T4A	T4A	T4A	T4A	T4A	T6	T6	T5	T4	T4	T4						
LAL2830D	17.9 / 8.1	28	B-32.6 (828)				120-277VAC	0.23 - 0.10	3321 / 3624	T6	T6	T5	T4A	T4A	T4A	T4A	T4A	T4A	T6	T6	T5	T4	T4	T4			
LAL2830D-L4-2AP	21.9 / 9.9		C-51 (1295)							T6	T5	-	T4A	T4A	T4A	T4A	T4A	T4A	T6	T5	T5	T4	T4	T4			
LAL4530D	17.9 / 8.1	45	B-32.6 (828)							120-277VAC	0.38 - 0.16	5054 / 5515	T6	T5	-	T4A	T4A	T4A	T4A	T4A	T4A	T6	T5	T5	T4	T4	T4
LAL4530D-L4-2AP	21.9 / 9.9		C-51 (1295)										T6	T5	-	T4A	T4A	-	T4A	T4A	-	T6	T5	-	T4	T4	-
LAL6030D	18.9 / 8.6	60	B-32.6 (828)	120-277VAC	0.50 - 0.22	7064 / 7709							T6	T5	-	T4A	T4A	-	T4A	T4A	-	T6	T5	-	T4	T4	-
LAL6030D-L4-2AP	22.9 / 10.4		C-51 (1295)										T6	T5	-	T4A	T4A	-	T4A	T4A	-	T6	T5	-	T4	T4	-
LAL8030D	34.5 / 15.6	80	D-57.9 (1471)				120-277VAC	0.67 - 0.29	10110 / 11032				T6	T5	-	T4A	T4A	-	T4A	T4A	-	T6	T5	-	T4	T4	-
LAL12030D	36.5 / 16.6	120	D-57.9 (1471)										120-277VAC	1.00 - 0.43	15090 / 16467	T6	T5	-	T4A	T4A	-	T4A	T4A	-	T6	T5	-
LALC1527D	12.03 / 4.49	15	A-18.73 (476)				12-24VDC	1.3-0.6	1503 / 1640	T5	T4A	-				T4A	T4A	-	T4A	T4A	-	T5	T4	-	T4	T4	-
LALC1530D							120-277VAC	0.15-0.06		T5	T5	-	T4A	T4A	-	T4A	T4A	-	T5	T5	-	T4	T4	-			
LALC1534D				120-250VDC	0.2-0.1	T5	T5	-		T4A	T4A	-	T4A	T4A	-	T5	T5	-	T4	T4	-						
LALC2027D		20	A-18.73 (476)	12-24VDC	1.7-0.8	2337 / 2550	T5	T5	-	T4A	T4A	-	T4A	T4A	-	T5	T5	-	T4	T4	-						
LALC2030D				120-277VAC	0.17-0.08		T5	T5	-	T4A	T4A	-	T4A	T4A	-	T5	T5	-	T4	T4	-						
LALC2034D				120-250VDC	0.2-0.1		T5	T5	-	T4A	T4A	-	T4A	T4A	-	T5	T5	-	T4	T4	-						
LALC2527D		25	A-18.73 (476)	12-24VDC	2.1-1.0	3019 / 3294	T5	T4A	-	T4A	T4A	-	T4A	T4A	-	T5	T4	-	T4	T4	-						
LALC2530D				120-277VAC	0.18-0.08		T5	T4A	-	T4A	T4A	-	T4A	T4A	-	T5	T4	-	T4	T4	-						
LALC2534D				120-250VDC	0.2-0.1		T5	T4A	-	T4A	T4A	-	T4A	T4A	-	T5	T4	-	T4	T4	-						
LALC3030D		30	A-18.73 (476)	120-277VAC	0.26-0.11	2726 / 2974	T5	T4A	-	T4A	T4A	-	T4A	T4A	-	T5	T4	-	T4	T4	-						
LALC3530D		35	A-18.73 (476)		0.30-0.13	3261 / 3558	T5	T4A	-	T4A	T4A	-	T4A	T4A	-	T5	T4	-	T4	T4	-						
LALC4030D		40	A-18.73 (476)		0.34-0.15	4152 / 4530	T5	T5	-	T4A	T4A	-	T4A	T4A	-	T5	T5	-	T4	T4	-						
LALC4530D		45	A-18.73 (476)		0.38-0.17	5136 / 5604	T5	T5	-	T4A	T4A	-	T4A	T4A	-	T5	T5	-	T4	T4	-						
LALC5030D		50	A-18.73 (476)		0.42-0.18	6039 / 6590	T5	-	-	T4A	-	-	T4A	-	-	T5	-	-	T4	-	-						

CATALOG NUMBER	WEIGHT	WATTS	LENGTH IN / MM	VOLTAGE	AMPS	LUMENS DIFFUSE/ CLEAR	C1D2 ABCD/ ZONE 2 IIC, IIB, IIA		C1D2 GRPS. EFG SIMULTANEOUS		C2D1 GRPS. EFG		IEC ZONE 2		IEC ZONE 21							
							40°C	50°C	40°C	50°C	40°C	50°C	40°C	50°C	40°C	50°C						
LAL18E1330D	21.9 / 9.9	18	B-32.6 (828)	120-277VAC	0.15 - 0.06	2272 / 2479	T6	T6	T4A	T4A	T4A	T4A	T6	T6	T4	T4						
LAL18E1330D-L4-2AP	31.9 / 14.5		C-51 (1295)				T6	T6	T4A	T4A	T4A	T4A	T6	T6	T4	T4						
LAL28E1330D	21.9 / 9.10	28	B-32.6 (828)				120-277VAC	0.23 - 0.10	3321 / 3624	T6	T6	T4A	T4A	T4A	T4A	T6	T6	T4	T4			
LAL28E1330D-L4-2AP	31.9 / 14.6		C-51 (1295)							T6	T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4			
LAL45E1330D	21.9 / 9.11	45	B-32.6 (828)							120-277VAC	0.38 - 0.16	5054 / 5515	T6	T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4
LAL45E1330D-L4-2AP	31.9 / 14.7		C-51 (1295)										T6	T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4
LAL60E1330D	21.9 / 9.12	60	B-32.6 (828)	120-277VAC	0.50 - 0.22	7064 / 7709							T6	T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4
LAL60E1330D-L4-2AP	31.9 / 14.8		C-51 (1295)										T6	T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4
LAL80E1330D	34.5 / 15.6	80	D-57.9 (1471)				120-277VAC	0.67 - 0.29	10110 / 11032				T6	T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4
LAL80E2630D	44.5 / 20.2		T6										T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4	
LAL120E1330D	34.5 / 15.7	120	D-57.9 (1471)							120-277VAC	1.00 - 0.43	15090 / 16467	T6	T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4
LAL120E2630D	44.5 / 20.3		T6										T5	T4A	T4A	T4A	T4A	T6	T5	T4	T4	
LALC15E1330D	12.03 / 4.49	15	A-18.73 (476)	120-277VAC	0.15-0.06	1503 / 1640							T5	T4A	T4A	T4A	T4A	T4A	T5	T4	T4	T4
LALC20E1330D			20										A-18.73 (476)	0.17-0.08	2337 / 2550	T5	T5	T4A	T4A	T4A	T4A	T5
LALC30E1330D			30				A-18.73 (476)	0.26-0.11	2726 / 2974				T5	T4A	T4A	T4A	T4A	T4A	T5	T5	T4	T4
LALC40E1330D			40				A-18.73 (476)	0.34-0.15	4152 / 4530				T5	T5	T4A	T4A	T4A	T4A	T5	T5	T4	T4

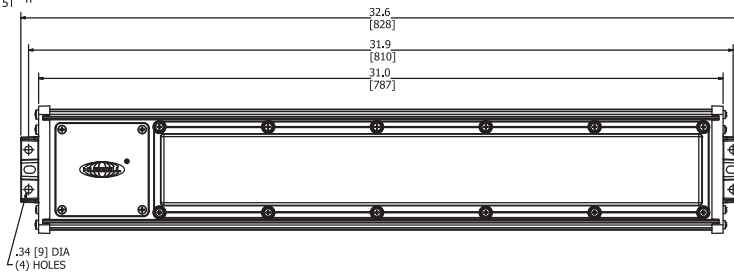


LAL/LALXE/LALC SERIES

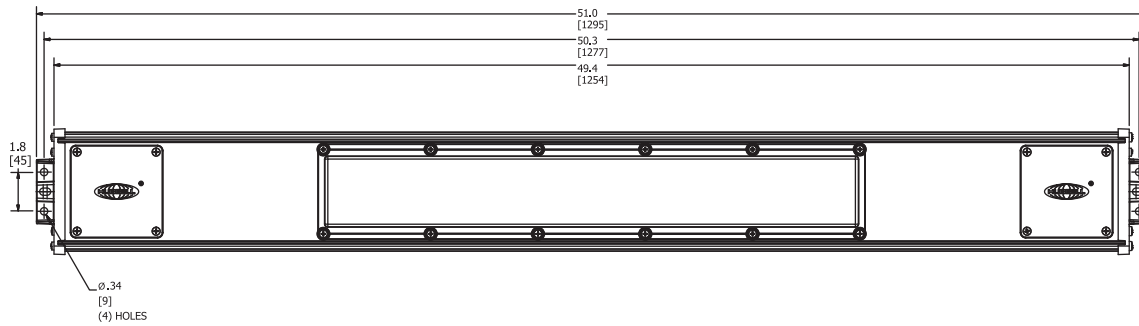
DIMENSIONS AND ACCESSORIES



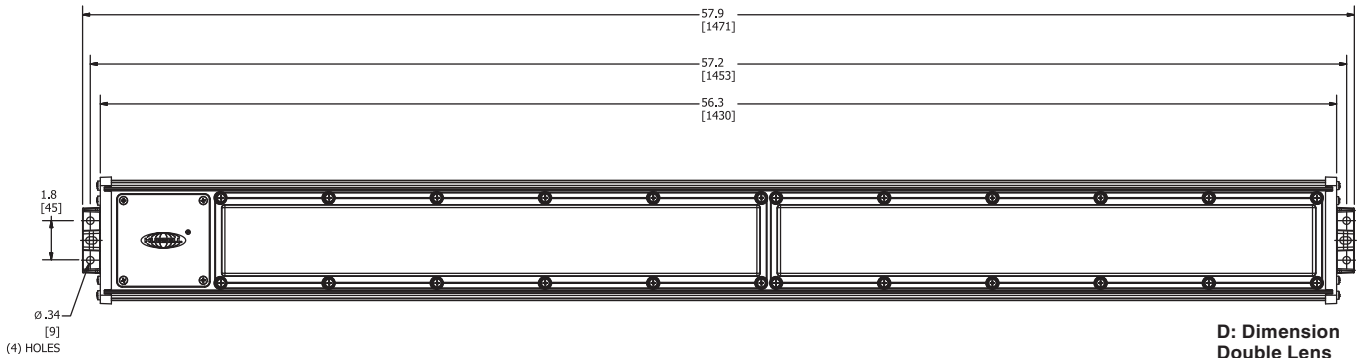
A: Dimensions for LALC



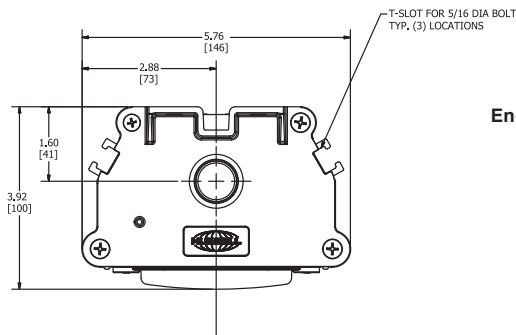
B: Dimension for Single Lens



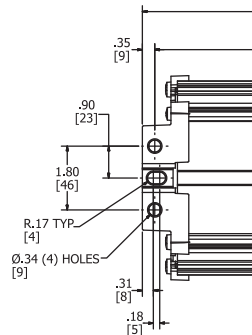
C: Dimension Single Lens with approx. 4 foot length and 2 access covers



D: Dimension Double Lens



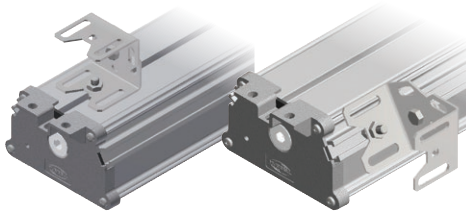
End Views





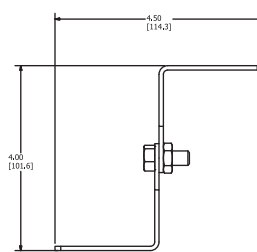
ACCESSORIES AND REPLACEMENT PARTS

ACCESSORIES AND REPLACEMENT PARTS	
LAL-SB	Swivel Bracket Set w/ Adjustable Height; includes 5/16" bolts/nuts/lock-washers for attachment to LAL(C) "slots"; can also be attached to end cap mounting feet with FBO bolts.
LZCB	Ceiling Bracket Set with Stainless Steel Bolts to attach to LAL(C) "slots"
LZWB	Wall Bracket Set with Stainless Steel Bolts to attach to LAL(C) "slots"
LAL-BC	Steel/malleable Iron with Zinc electroplate for corrosion resistance; includes Stainless Steel Bolts to attach to LAL(C) "slots"
LAL-EB	Eyebolt Set with Stainless Steel Bolts to attach to LAL(C) "slots"
VMSC10	10' Stainless Steel Safety Cable with loop grip
LALG	Stainless Guard for 1 LAL Lens, order two for 2 lens models
LALCG	LALC Stainless Guard
LAL-LENSCLR	Single Clear Lens with Gasket for LAL Series
LAL-LENSDIF	Single Diffuse Lens with Gasket for LAL Series
LALC-LENSCLR	Single Clear Lens with Gasket for LALC Series
LALC-LENSDIF	Single Diffuse Lens with Gasket for LALC Series
LAL-RIG-CB	Rig Mounting Style Ceiling Bracket
LAL-RIG-WB	Rig Mounting Style Wall Bracket
RIG-LALC	Rig End Caps for LALC

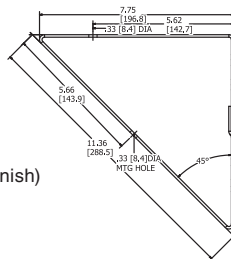
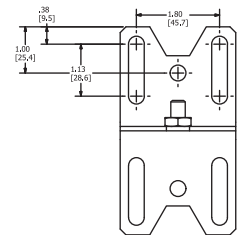
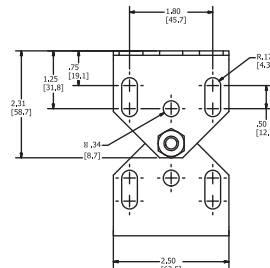


LAL-SB on Center Slot

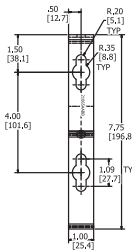
LAL-SB on 45° Slot



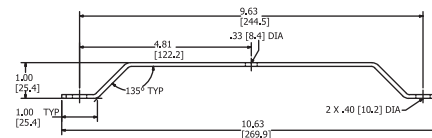
LAL-SB Dimensions – extended shown



Wall Bracket Set
Part Number LZWB
Stainless Steel (natural finish)



Ceiling Bracket Set
Part Number LZCB
Stainless Steel (natural finish)



VMSC10 Safety Cable



LAL-BC Beam Clamp

