LITECONTROL
making light work™

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

54L-W

ARCOS® LED WALL

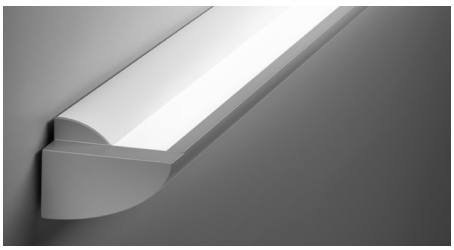
Fixture Type:

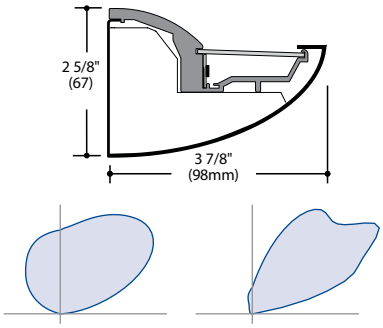
Project Name:

Ordering Guide

Feature	Code	Options	Description
Series		54L	Wall Arcos LED
Mounting		W	Wall-Mounted
Fixture distribution		AI	Asymmetric Indirect
Row length (in feet)		___'	Enter in foot increments. Note fixture lengths below.
Max length in row		02 03 04 06 08	24-1/16" 610mm 36-1/32", 914mm 48", 1219mm 72", 1829mm 96", 2438mm
Finish/Color		C1 C2 C3 C4 C5 C6 CC	Matte White (Default) Textured, Matte White Light Silver Machined Aluminum Carbon Black Textured, Camera Black Custom Color
Color temperature		30K 35K 40K	3000K 3500K 4000K
Output/ft *(specifiable in 50 lumens/ft increments)*		I030 I100	300 (min) see "Driver" section for limitations 1000 (max)
Driver		NDM D01 DS1 D00 DS0	Non Dimming 1% Dimming, 0-10V Soft Start 1% Dimming Dim-to-off Soft-Start Dim-to-off (1%)
Circuiting		1C	1 Circuit
Voltage		UNV 120 240 277	Universal Voltage (120 or 277) 120 Volt 240 Volt 277 Volt

Optional Features	Code	Options	Description
Nightlight		_NL	Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row
Thru-wiring		W1 W2 W3	No Thru Wire Provide Normal and Emergency Thru Wiring* Provide Normal Thru Wiring Only *Only applicable when specified with emergency
Rough-in wiring		FL JB	Flex (standard) Junction Box Plate
High Performance Reflector		HPR	High Performance Reflector





Key Features

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- Asymmetric distribution
- High performance reflector option

Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
I030	300 (min)	4.0	75
I035	350	5.0	70
I040	400	5.5	73
I045	450	6.5	69
I050	500	7.0	71
I055	550	8.0	69
I060	600	9.0	67
I065	650	9.5	68
I070	700	10.5	67
I075	750	11.5	65
I080	800	12.5	64
I085	850	13.5	63
I090	900	14.5	62
I095	950	15.5	61
I100	1000 (max)	16.0	63

(wattage may vary up to 5% from published)

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Details

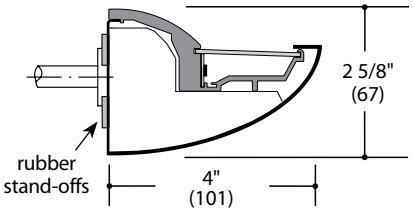
Construction:
Extruded aluminum housing. Aluminum LED module snaps into housing.

Mounting:
Provided with brackets which offset fixture 1/2" from wall to accommodate wiring connections and wall irregularities.

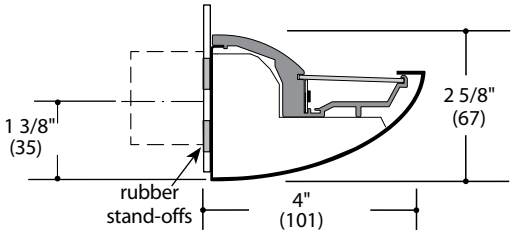
Fixture length:
02 (24-1/16" 610mm)
03 (36-1/32", 914mm)
04 (48", 1219mm)
06 (72", 1829mm)
08 (96", 2438mm)

Planning for Installation

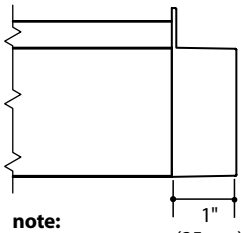
Standard Mounting with Flex Conduit



Optional Mounting with Junction Box

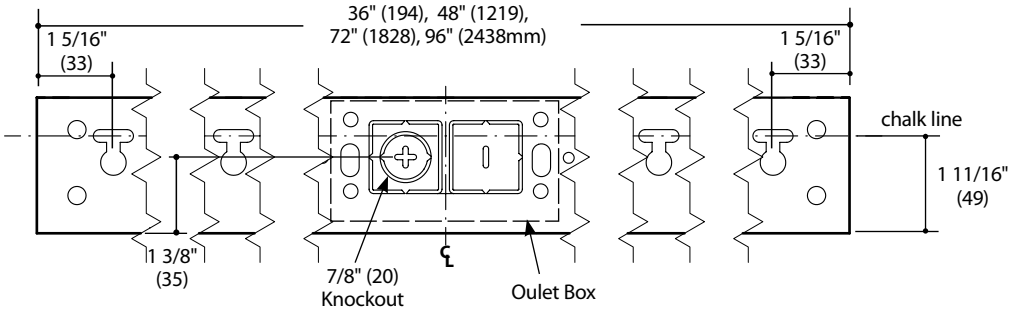


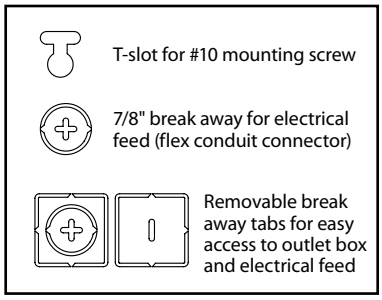
End Cap



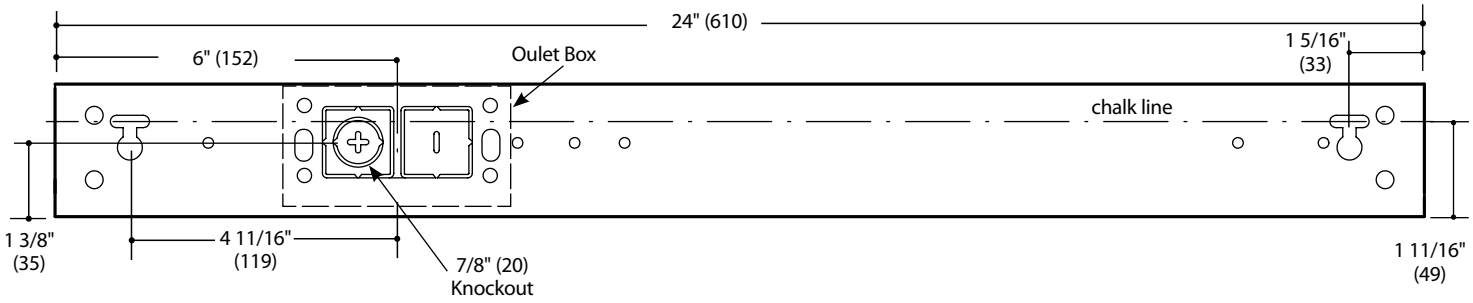
note:
End cap adds 2" to fixture length

Back View 3', 4', 6' 8' Fixtures





Back View 2' Fixture



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Details (continued)

Finish/Color:
Housing can be painted standard or custom colors. LED module is white.

CCT:
30K-3000K
35K-3500K
40K-4000K

Color Variation:
2 step MacAdam ellipse

Output (VI technology):
Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. See output section for available increments.

Output:
Specify in 50 lumens increments/ft within the below range:

	Lumens/ft	Nomenclature
Min:	300	I030
Max:	1000	I100

Driver:

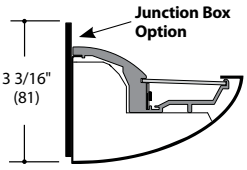
NDM:	Non-dimming. Fixture will be wired for fixed light output.
D01:	100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
DS1:	Soft-Start 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
D00:	Dim-to-off 100%-1% Dimming range. Fixture will be wired for low voltage 0-10V dimming
DS0:	Soft-Start Dim-to-off 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.

Circuiting:
1C (1 Circuit) Fixture wired for a single circuit.

Nightlight:
See separate LC-Nightlight spec sheet for additional details.

Rough-in Wiring

FL	Flex is standard. Fixture is provided without a junction box cover; field connections assumed to be to 3/8" flex conduit with whip and snap-in fitting.
JB	Optional Junction Box plate. Fixture is provided with a junction box cover for field connections within a standard outlet box.



Emergency:
Integral-not available
Inverter-compatible (by others)

Thru wiring:
See separate LC-Thru wire spec sheet for additional details.

High Performance Reflector:
Specular reflector and clear lens which provides greater peak intensity at a lower angle.

Power feed:
Fixture intended to be wired with 3/8" flexible whip.

Field accessibility:
LED boards and drivers can be accessed and removed from fixture, while installed.

CRI:
80 minimum

Rated Life:
Tested in accordance to LM79-2008 & derived from EPA TM21 calculator
L70: 160,000 (calculated per TM21 extrapolated curve)
L70: >36,288 (reported per TM21/LM80 6x's limitation)
L90: 50,000 (calculated per TM21 extrapolated curve)
L90: >36,288 (reported per TM21/LM80 6x's limitation)

Fixture weight:
2.5 lbs/ft.

Ratings:
CSA listed for damp locations. IBEW. AF of L.

Warranty:
LED boards-5 years
LED drivers (standard)-5 years
LED drivers (Lutron)-3 years

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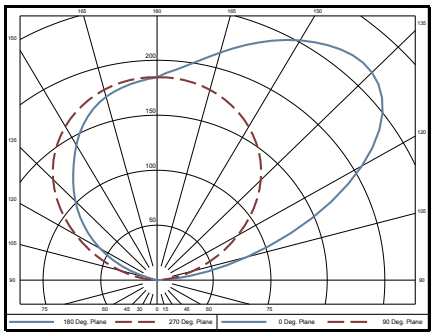
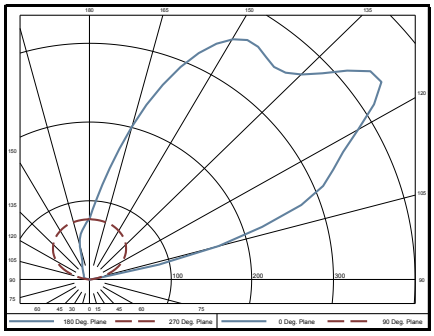
Photometry

Fixture: 15L-CC-AI-X-02-C1-35K-I030
CCT: 3500K
Output: I030
Nominal lumens: 300 lumens/ft
Efficacy: 76.7 lm/W
Test report: 15L-CC-AI-X-02-C1-35K-I030



Zonal Lumens		
Zone	**Lumens %**	**Lamp %**
0-30	0	0
0-40	0	0
0-60	0	0
0-90	0	0
90-120	142	22
90-130	259	40
90-150	492	76
90-180	648	100
0-180	648	100

Fixture: 15L-CC-AI-X-02-C1-35K-I030 (HPR)
CCT: 3500K
Output: I030
Nominal lumens: 300 lumens/ft
Efficacy: 74.4 lm/W
Test report: 15L-CC-AI-X-02-C1-35K-I030 (HPR)



Zonal Lumens		
Zone	**Lumens %**	**Lamp %**
0-30	0	0
0-40	0	0
0-60	0	0
0-90	0	0
90-120	200	32
90-130	332	53
90-150	533	85
90-180	628	100
0-180	628	100