



Product Features

LUX Series LX1.8 architectural linear luminaire housing from 1.8" wide aluminum extruded profile, available in 2, 4, and 8-Ft length with Black, White finish; steel cable suspension system for direct ceiling mounting, with power supply unit integral inside fixture, and power feed cable through the 5-inch junction box cover plate; integral driver, frosted polycarbonate lens; emits even soft direct/indirect facing light for general illumination; >80CRI LED; field selectable CCT in 3000K / 3500K / 4000K; 85% of luminous flux after 50,000 hours; cULus damp location listed; universal input 120-277V power supply with 0-10V dimming capability down to 10%.

Technical Specifications

INPUT VOLTAGE	Universal Input AC120-277V
FREQUENCY	50/60hz
COLOR TEMPERATURE	Field Selectable 3000K / 3500K / 4000K
COLOR RENDERING INDEX	>80
DISTRIBUTION	Direct/Indirect, Field Selectable Output
IP RATING	Damp Location
LIFE SPAN	>50,000 Hours
DIMMING	0-10V Dimming





Order Code Example:

LX1.8	- IL2	- SC	- QM	- WH	- WH
A	B	C	D	E	F

G G

LX1.8 LUX Series 1.8" Profile Architectural Linear

*see page 3 for Lumen Detail

SC QS Field Selectable 3000K / 3500K / 4000K

*see pg. 7 for detail

- 4" Octagon box included. adjustable T-bar clip suitable for 9/16" Flat. 9/16" Slot. 15/16" Flat T-bar grid spec.

BK	QS	Black
WH	QS	White

BK	QS	4FT Black Power Cord
WH	QS	4FT White Power Cord

blank		Integral Driver 120~277V 0-10V Dimming
AIA		Assembled in America, Compliant with BAA (COTS)
LX1.8-CON	QS	LUX 1.8" Profile Line Joiner (Metal Bracket)
LENS-LX1.8-42FT	QS	LUX 1.8" 42FT Continuous Rolling Lens
EMB-H08170*	QS	High Voltage Output Smart Emergency Battery 8W 100-347VAC Input 170VDC Output
EMB-H18170*	QS	High Voltage Output Smart Emergency Battery 18W 100-347VAC Input 170VDC Output

*see page 6 for EMB spec

LUX SERIES | LX1.8 SURFACE / SUSPENDED / WALL

DIMENSIONS

Cross Section

SERIES & SIZE

LX1.8-IL2

LX1.8-IL4

LX1.8-IL8

DIMENSION

L23.78" x W1.80" x H2.99"

L47.40" x W1.80" x H2.99"

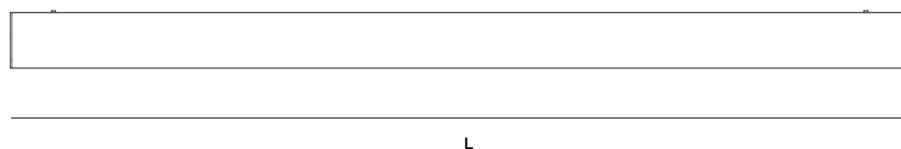
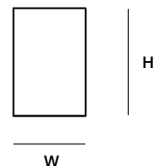
L94.65" x W1.80" x H2.99"

Section

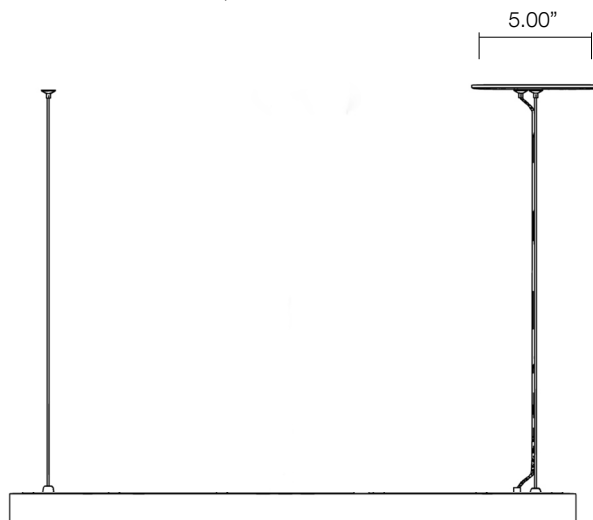
1

1

1



Quick Mount

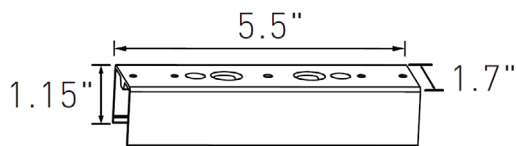


PERFORMANCE

Lens Type	Length	Power Setting (Field Selectable)			Distribution Setting (Field Selectable)					
					D-75% & I-25%			D-100%		
		(W)			(LM)			(LM)		
		Low	Mid	High	Low	Mid	High	Low	Mid	High
Frosted	2FT	10	15	20	1167	1750	2147	1068	1602	1987
	4FT	20	30	40	2313	3469	4464	2073	3110	4157
	8FT	40	60	80	4625	6938	9251	4147	6220	8293

LUX SERIES | LX1.8 SURFACE / SUSPENDED / WALL

DIMENSIONS



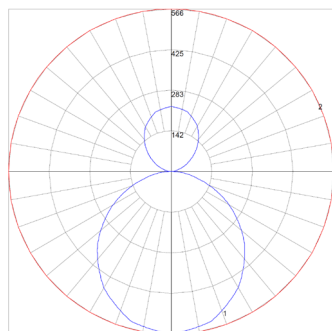
LX1.8-CON

LUX 1.8" Profile Line Joiner (metal bracket)

LUX SERIES | LX1.8 SURFACE / SUSPENDED / WALL

PHOTOMETRIC

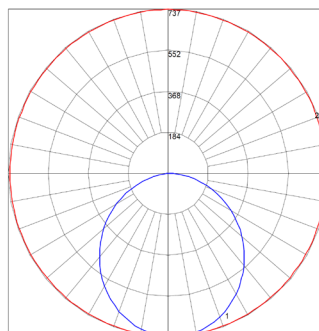
IES: LX1.8-IL2SC D-75% / I-25% @ 3000K 20W



Zone	Lumen	Luminaire%
0-30	431	20.10
0-40	702	32.70
0-60	1223	57
0-90	1527	71.10
0-180	2147	100

Lumen: 2147
 Input Watts: 18.4 W
 Efficacy: 117 LPW
 UGR: 27.3

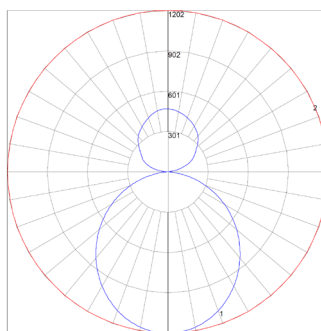
IES: LX1.8-IL2SC D-100% @ 3000K 20W



Zone	Lumen	Luminaire%
0-30	560	28.20
0-40	912	45.90
0-60	1590	80
0-90	1987	100
0-180	1987	100

Lumen: 1987
 Input Watts: 18.6 W
 Efficacy: 107 LPW
 UGR: 24.9

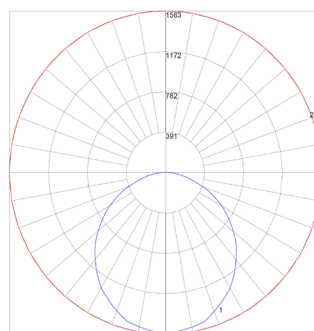
IES: LX1.8-IL4SC D-75% / I-25% @ 3000K 40W



Zone	Lumen	Luminaire%
0-30	914	20.50
0-40	1485	33.30
0-60	2564	57.40
0-90	3197	71.60
0-180	4464	100

Lumen: 4464
 Input Watts: 38.6 W
 Efficacy: 116 LPW
 UGR: 27.3

IES: LX1.8-IL4SC D-100% @ 3000K 40W



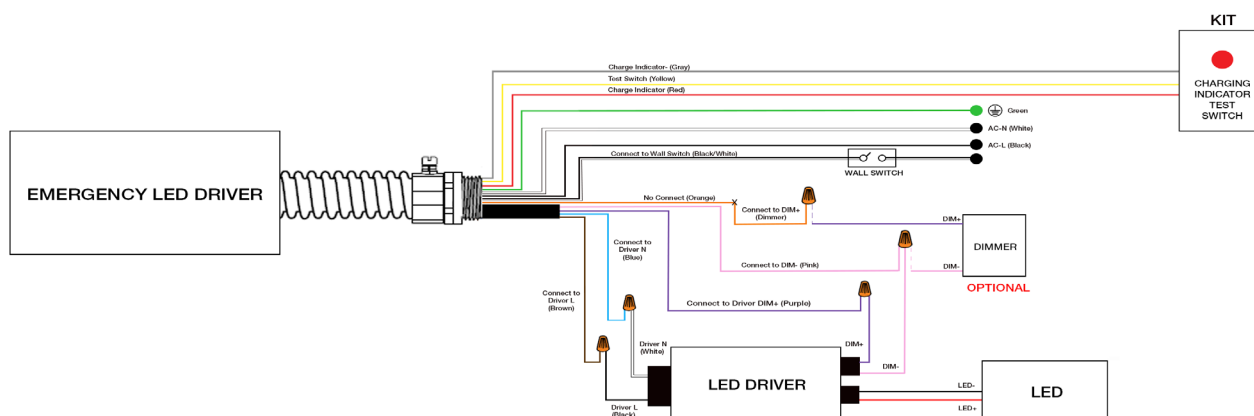
Zone	Lumen	Luminaire%
0-30	1189	28.60
0-40	1932	46.50
0-60	3337	80.30
0-90	4157	100
0-180	4157	100

Lumen: 4157
 Input Watts: 40.1 W
 Efficacy: 104 LPW
 UGR: 25.5

LUX SERIES | LX1.8 SURFACE / SUSPENDED / WALL

EMB SPEC

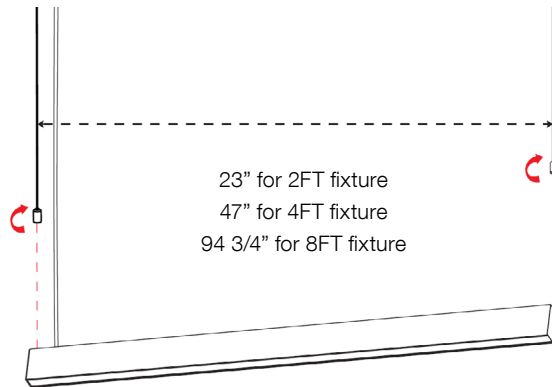
Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-H08170	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Field Install
EMB-H18170	90mins	100-347VAC	170VDC	18W	0°C ~ 50°C 32°F ~ 122°F	Field Install



LUX SERIES | LX1.8 SURFACE / SUSPENDED / WALL

INSTALLATION

QUICK MOUNT



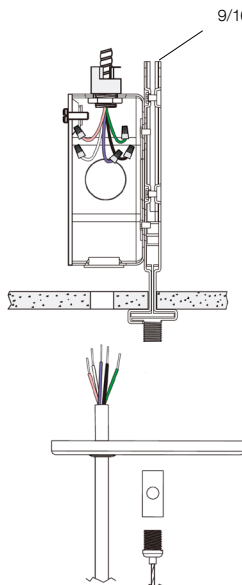
Install suspension by rotating adapter clockwise to the top of the fixture.



Use cable tie to keep the power feed wire in place next to the suspension cable.

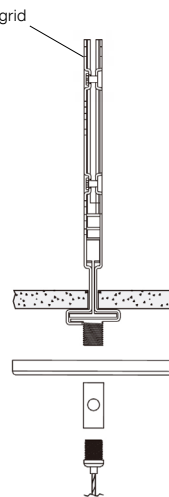
T-GRID INSTALL

Part# QMR-T



4.5-inch J-box plate
Adjustable T-Bar Clip*
4" Octagon Box included with T-Bar Clip
J-box plate supports (1) cable suspension

Part# QMR-T



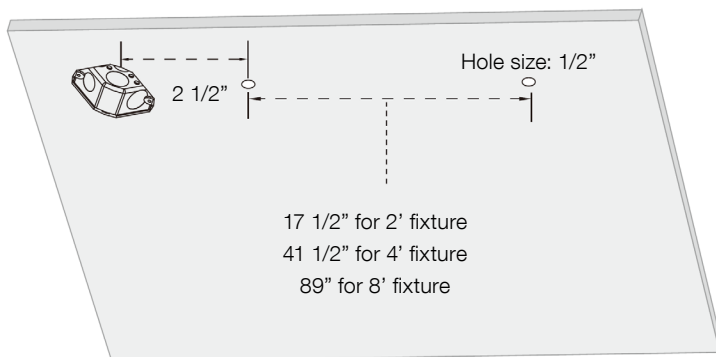
1.6-inch mounting plate
Adjustable T-Bar Clip*
(1) cable suspension

*suitable for 9/16" Flat, 9/16" Slot, 15/16" Flat T-bar grid spec

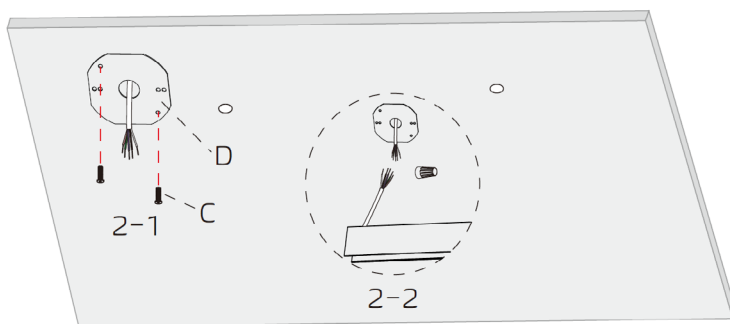
LUX SERIES | LX1.8 SURFACE / SUSPENDED / WALL

INSTALLATION

SURFACE MOUNT

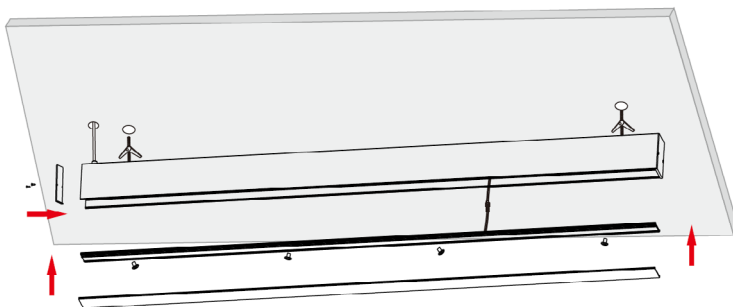


1: Identify mounting location



2-1: Use the Square Plate "D" to cover the junction box and secure with screw "C", before plastering the ceiling.

2-2: Make the wiring connection using the wire nuts provided between the luminaire and the incoming power line.



3-1: Install Butterfly Drywall Anchor "A" on housing.

3-2: Insert LED module back into housing to make wiring connection.