ALLURE ARCHITECTURAL®

LUMINA SERIES

Client:
Project:
Type:
Quantity:

Product Features

Lumina architectural linear fixture delivers premium performance and effortless control, featuring a diffuser lens that provides uniform, glare-free illumination. Housing from a 2.5” wide aluminum extruded profile, available in a 2, 4, 6 and 8-FT length with black and white finish options; integral driver, die-cast aluminum endcaps with magnetic interface; optional continuous rolling lens up to 40FT; field selectable distribution options; >80CRI standard, optional >90CRI LED; field selectable CCT in 2700K / 3000K / 3500K / 4000K / 5000K; LED lifespan greater than 100,000 hours; cULus damp location listed; universal input 120-277V dimming power supply for 0-10V dimming protocol.

Technical Specifications

INPUT VOLTAGE	Universal Input 120-277 VAC
FREQUENCY	50/60hz
COLOR TEMPERATURE	Field Selectable 2700K / 3000K / 3500K / 4000K / 5000K
COLOR RENDERING INDEX	>80, >90
DISTRIBUTION	Direct/Indirect, Field Selectable Output
IP RATING	Damp Location
LIFE SPAN	>100,000 Hours
DIMMING	0-10V Dimming, 0-100% Dimming Range

c UL us LISTED

QUICK SHIP
QS

PROUDLY ASSEMBLED IN AMERICA

ALLURE ARCHITECTURAL®
14750 East Nelson Ave Unit B
City of Industry, CA 91744
P: 909-598-1077
www.allureltg.com

ALS Advantage Lighting Solutions

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ALLURE ARCHITECTURAL®

LUMINA SERIES

SUBMITTAL WORKSHEET

Order Code Example: LMA - L2 - 9SC - DF - BK - UD

A B C D E F

A SERIES

☐ **LMA** Lumina Architectural Linear

B SIZE & OUTPUT (CHOOSE ONE)

CODE		LENGTH	POWER & LUMEN FIELD SELECTABLE*	DISTRIBUTION RATIO - FIELD SELECTABLE**
☐ **L2**	QS	2FT	10W / 15W / 20W	Direct 100%
☐ **L4**	QS	4FT	20W / 30W / 40W	Direct 100%
☐ **L6**	QS	6FT	30W / 45W / 60W	Direct 100%
☐ **L8**	QS	8FT	40W / 60W / 80W	Direct 100%
CODE		LENGTH	POWER & LUMEN FIELD SELECTABLE*	DISTRIBUTION RATIO - FIELD SELECTABLE**
☐ **IL2**	QS	2FT	10W / 15W / 20W	100%, 70%/30%, 50%/50%, 30%/70%, 100%
☐ **IL4**	QS	4FT	20W / 30W / 40W	100%, 70%/30%, 50%/50%, 30%/70%, 100%
☐ **IL6**	QS	6FT	30W / 45W / 60W	100%, 70%/30%, 50%/50%, 30%/70%, 100%
☐ **IL8**	QS	8FT	40W / 60W / 80W	100%, 70%/30%, 50%/50%, 30%/70%, 100%

*see page 7 for lumen detail

**Direct/Indirect Ratio. See page 7 for detail

C CCT

☐ **8SC** QS 80 CRI Field Selectable 2700K / 3000K / 3500K / 4000K / 5000K (standard)

☐ **9SC** 90 CRI Field Selectable 2700K / 3000K / 3500K / 4000K / 5000K

D LENS (CHOOSE ONE)

☐ **DF** Diffuser

E FINISH (CHOOSE ONE)

☐ **BK** QS Black

☐ **WH** QS White

F INPUT (CHOOSE ONE)

☐ **UD** QS 120-277V, 0-10V Dimming with 0-100% Dimming Range

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ALLURE ARCHITECTURAL®

LUMINA SERIES

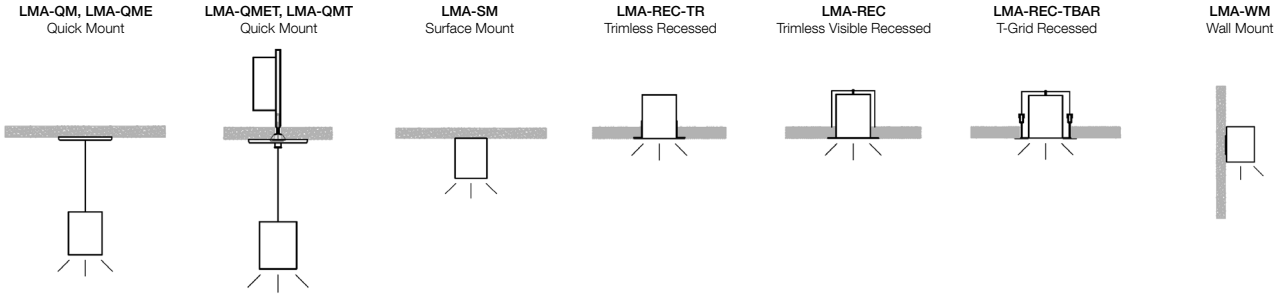
SUBMITTAL WORKSHEET

Order Code Example: LMA-QM-12FT-BK

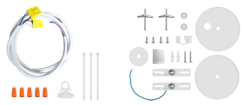
G

G MOUNTING (CHOOSE ONE)

☐ **LMA-QM-__-__***	QS	5-Wire Cord Aircraft Cable, 5” J-Box Cover Plate. Specify Cable Length: **7FT** / **12FT**, Specify Cord Finish: **BK**: Black / **WH:** White
☐ **LMA-QMT-__-__***	QS	5-Wire Cord Aircraft Cable for T-Grid Ceiling, 5” J-Box Cover Plate. Specify Cable Length: **7FT** / **12FT**, Specify Cord Finish: **BK**: Black / **WH:** White
☐ **LMA-QME-__-__***	QS	6-Wire Cord Aircraft Cable, 5” J-Box Cover Plate, for Emergency Battery Specify Cable Length: **7FT** / **12FT**, Specify Cord Finish: **BK**: Black / **WH:** White
☐ **LMA- QMET-__-__***	QS	6-Wire Cord Aircraft Cable for T-Grid Ceiling, 5” J-Box Cover Plate for Emergency Battery Specify Cable Length: **7FT** / **12FT**, Specify Cord Finish: **BK**: Black / **WH:** White
☐ **LMA-SM***	QS	Surface Mount Kit (SUITABLE FOR DIRECT DISTRIBUTION ONLY)
☐ **LMA-REC***	QS	Recessed
☐ **LMA-REC-TR***	QS	Trimless Recessed
☐ **LMA-REC-TBAR***	QS	T-Grid Recessed
☐ **LMA-WM***	QS	Wall Mount



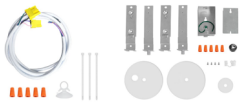
LMA-QM



5-Wire Power Cord — Canopy Kit

QM-ACKIT Aircraft cable for continuous run (optional)

LMA-QMT



5-Wire Power Cord — T-Grid Canopy Kit

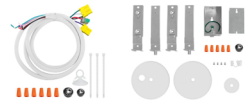
QM-ACKIT Aircraft cable for continuous run (optional)

LMA-QME

6-Wire Power Cord — Canopy Kit

QM-ACKIT Aircraft cable for continuous run (optional)

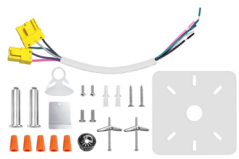
LMA-QMET



6-Wire Power Cord — T-Grid Canopy Kit

QM-ACKIT Aircraft cable for continuous run (optional)

LMA-SM

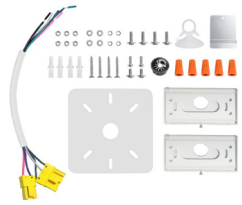


LMA-REC

LMA-REC-TR

LMA-REC-TBAR

LMA-WM



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ALLURE ARCHITECTURAL®

LUMINA SERIES

SUBMITTAL WORKSHEET

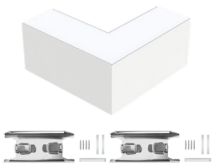
Order Code Example: LMA-L-CON - EMB-H018170
H H

H OPTIONS

☐ **BAA**		Assembled in America, Compliant with BAA (COTS)
☐ **LMA-CON**	QS	LMA Profile Inline Joiner (metal bracket)
☐ **LMA-L-CON***	QS	LMA Profile "L" 90° Connector
☐ **LMA-T-CON***	QS	LMA Profile "T" 90° Connector
☐ **LMA-X-CON***	QS	LMA Profile "X" 90° Connector
☐ **LMA-Y-CON***	QS	LMA Profile "Y" 120° Connector
☐ **LMA-V-CON***	QS	LMA Profile "V" 120° Connector
☐ **LENS-LMA-40**	QS	Continuous Diffuser Rolling Lens Up to 40FT.
☐ **SENSOR-KIT-IFS06R****	QS	Integral PIR on/off/dimming/photosensing (14V DC Power by Driver)
☐ **EMB-8W-B****	QS	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
☐ **EMB-18W-B****	QS	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output

*see page 5 for detail

**see page 10 and 11 for emb and sensor spec

LMA-CON LMA Profile Inline Joiner	**LMA-L-CON** LMA Profile "L" 90° Connector	**LMA-T-CON** LMA Profile "T" 90° Connector	**LMA-X-CON** LMA Profile "X" 90° Connector
			
LMA-Y-CON LMA Profile "Y" 90° Connector	**LMA-V-CON** LMA Profile "V" 90° Connector	**LENS-LMA-40** 40FT Diffuser Lens	**SENSOR-KIT-IFS06R** PIR Sensor

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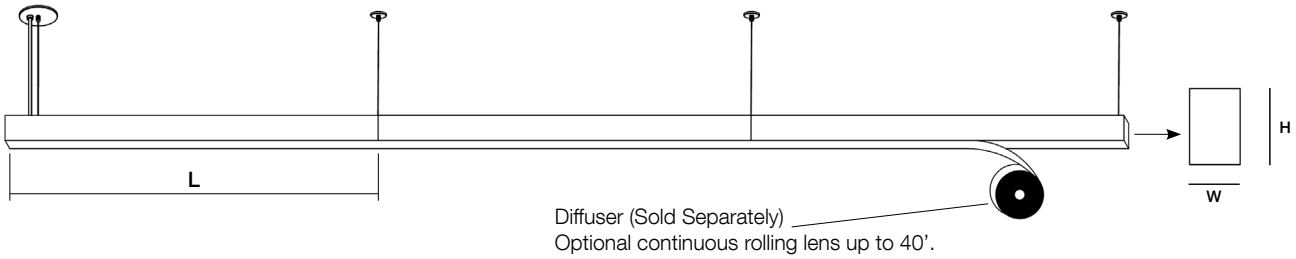
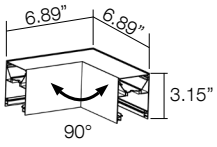
DIMENSIONS - FIXTURE

Size	L	W	H
2FT	23.62”	2.48”	3.15”
4FT	47.24”		
6FT	70.87”		
8FT	94.49”		

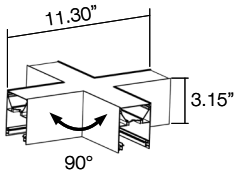
Continuous Run
120VAC: Connections up to 40FT.
277VAC: Connections up to 100FT.



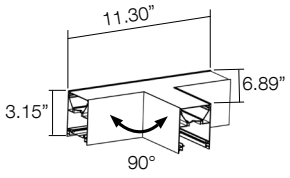
DIMENSIONS - CONNECTORS



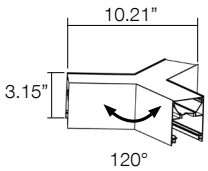
LMA-L-CON
LMA Profile “L” 90° Connector



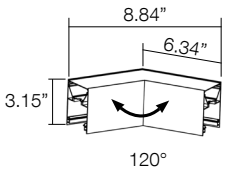
LMA-X-CON
LMA Profile “X” 90° Connector



LMA-T-CON
LMA Profile “T” 90° Connector



LMA-Y-CON
LMA Profile “Y” 120° Connector



LMA-V-CON
LMA Profile “V” 120° Connector

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ALLURE®
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LUMINA SERIES

PERFORMANCE DATA

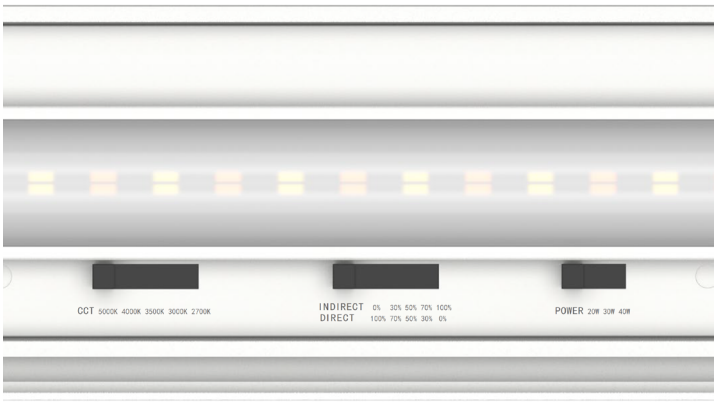
SIZE	SETTING	WATTAGE	2700K		3000K		3500K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
2FT	Lv 1	20W	2500	125	2500	125	2700	135	2700	135	2600	130
	Lv 2	15W	1875	125	1875	125	2025	135	2025	135	1950	130
	Lv 3	10W	1250	125	1250	125	1350	135	1350	135	1300	130
4FT	Lv 1	40W	5000	125	5000	125	5400	135	5400	135	5200	130
	Lv 2	30W	3750	125	3750	125	4050	135	4050	135	3900	130
	Lv 3	20W	2500	125	2500	125	2700	135	2700	135	2600	130
6FT	Lv1	60W	7500	125	7500	125	8100	135	8100	135	7800	130
	Lv2	45W	5625	125	5625	125	6075	135	6075	135	5850	130
	Lv3	30W	3750	125	3750	125	4050	135	4050	135	3900	130
8FT	Lv 1	80W	10000	125	10000	125	10800	135	10800	135	10400	130
	Lv 2	60W	7500	125	7500	125	8100	135	8100	135	7800	130
	Lv 3	40W	5000	125	5000	125	5400	135	5400	135	5200	130

OUTPUT

Fixed CCT

2700K, 3000K, 3500K, 4000K, 5000K

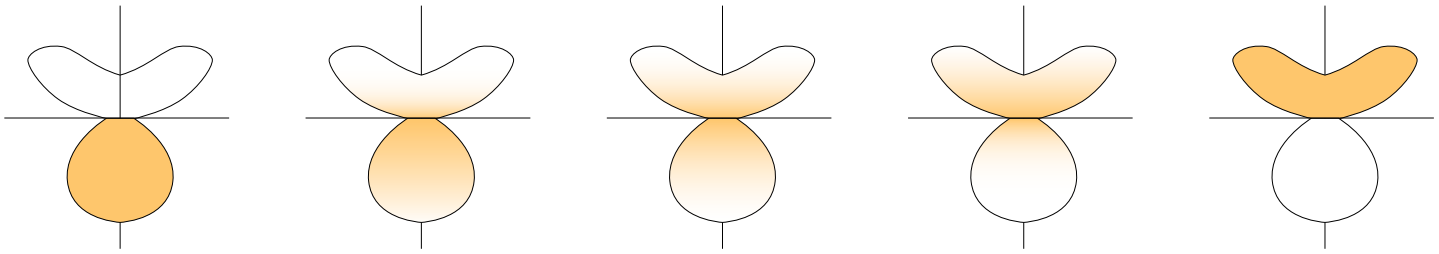
90+ CRI



Selectable Wattage

Lv1 Lv2 Lv3

Selectable Light Distribution



100% Direct | 30% Indirect 70% Direct | 50% Indirect 50% Direct | 70% Indirect 30% Direct | 100% Indirect

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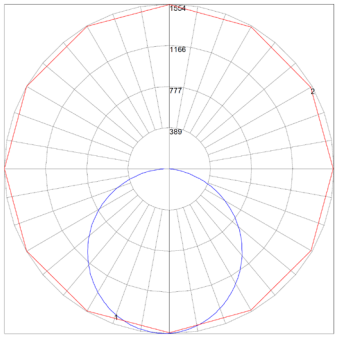
PHOTOMETRIC

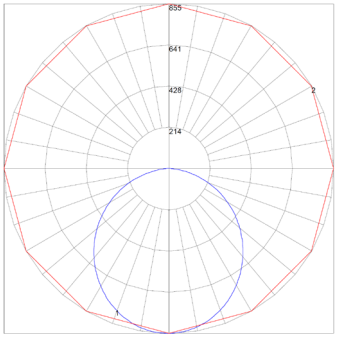
IES: LMA-L4 D-100% @ 4000K 40W



Zone	Lumen	Luminaire%
0-30	1198	26.90
0-40	1962	44.00
0-60	3480	78.10
0-90	4457	100
0-180	4457	100

Lumen: 4457
Input Watts: 40 W
Efficacy: 111 LPW

IES: LMA-L2 D-100% @ 4000K 20W



Zone	Lumen	Luminaire%
0-30	654	27.90
0-40	1064	45.30
0-60	1862	79.30
0-90	2348	100
0-180	2348	100

Lumen: 2348
Input Watts: 20 W
Efficacy: 117 LPW

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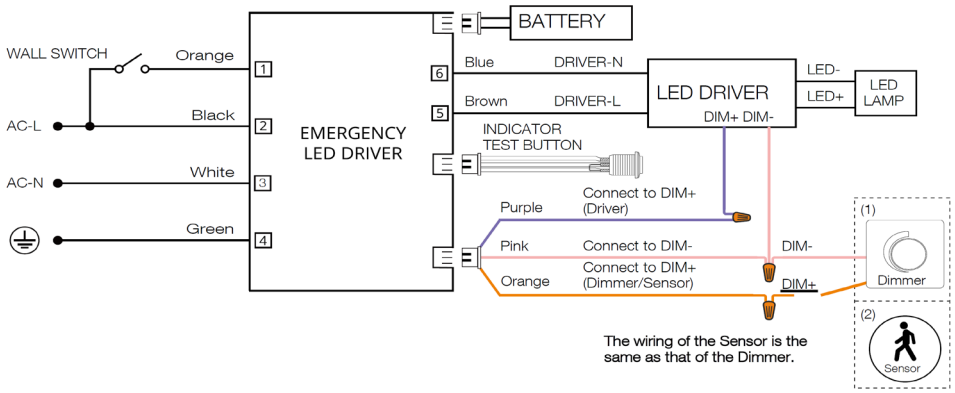
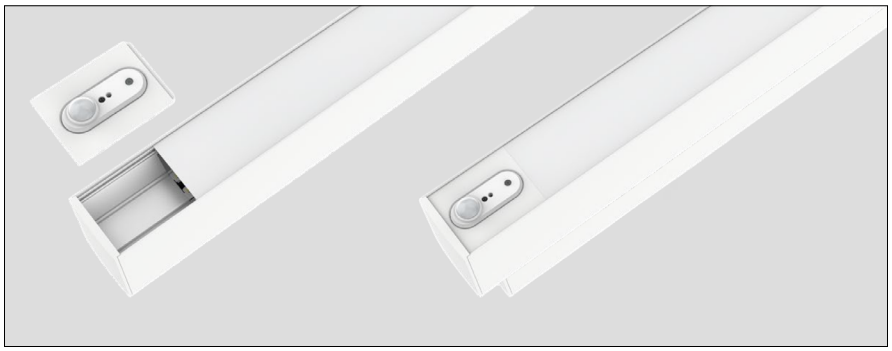
EMB SPEC

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



SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-KIT-IFS06R	PIR Sensor	Integral to Fixture	-	14V DC	On/Off Daylight Harvesting Bi-Level Dimming Adj. Hold Time	-



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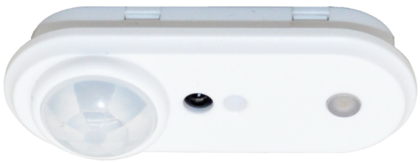
SENSOR-KIT-IFS06R

FEATURE

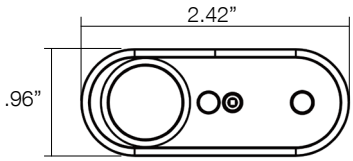
- **Installation:** Factory Install - Sensor Integral to Fixture
- **Commissioning:** through Remote Control
- **Control:** Adjustable Hold Time, Bi-Level Dimming, Manual/Auto - On/Off
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting

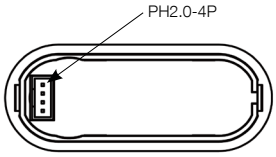


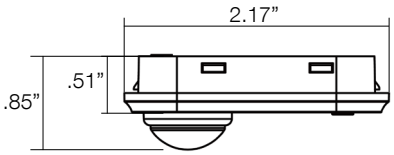
SPECIFICATIONS

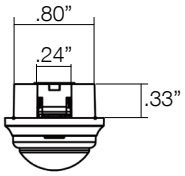
SENSOR TYPE:	Passive Infrared Sensor (PIR)	**COMMISSIONING RANGE:**	50FT from Remote Control
INPUT VOLTAGE:	10-14VDC, >50mA	**TIME SETTING:**	10sec ~ 60min (adjustable)
LIGHT-CONTROL:	Daylight Harvesting with Automatic Dimming	**DETECTION ANGLE:**	360°
CONTROL OUTPUT:	0-10V, Max. 25mA sinking current	**MOUNTING HEIGHT:**	12FT Max.
OPERATING TEMP:	-4°F ~ +140°F (-20°C ~ +60°C)	**WARRANTY:**	5 years
		IP RATING:	IP20

DIMENSIONS



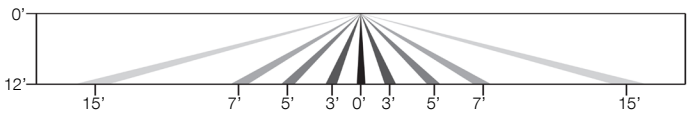




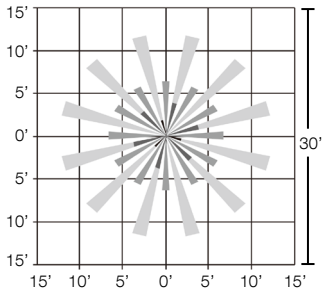


COVERAGE PATTERNS

SIDE VIEW (in feet)



TOP VIEW (in feet)



ORDER CODE — EXAMPLE: SENSOR-KIT-IFS06R

A **SERIES**

SENSOR-KIT-IFS06R Integral PIR on/off/dimming/photosensing (14V DC Power by Driver)

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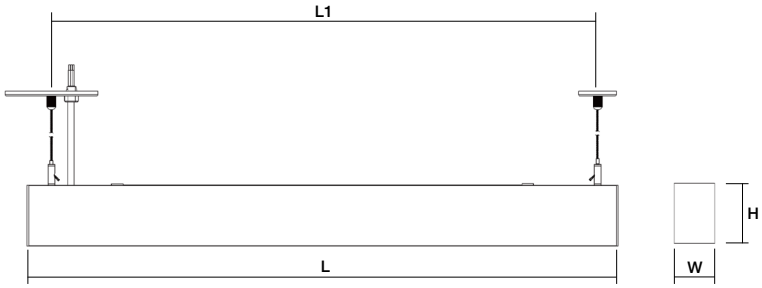
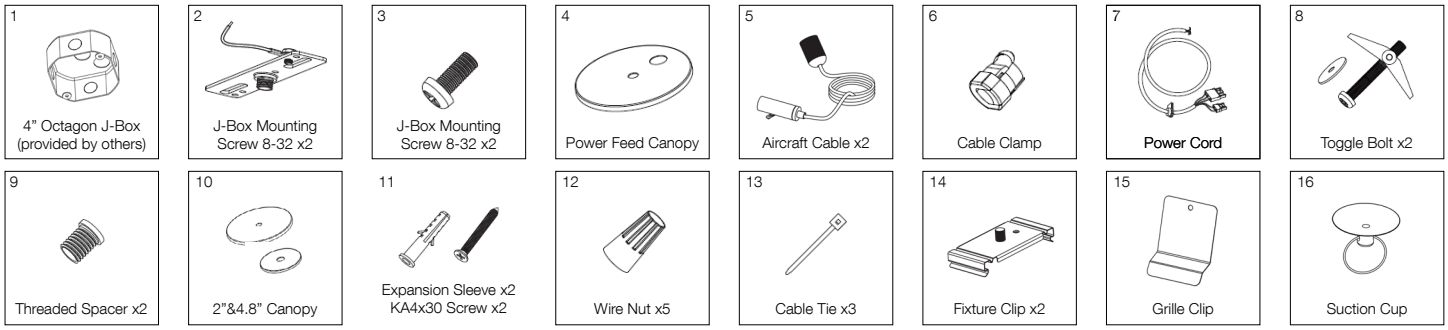
INSTALLATION

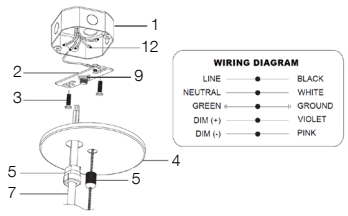
LMA-QM / LMA-QME - Quick Mount Installation



LMA				
Size	L	W	H	L1 - Installation Spacing
2FT	23.82”	2.48”	3.15”	14.17”-22.05”
4FT	47.44”			37.80”-45.67”
6FT	71.06”			61.42”-69.30”
8FT	94.67”			85.03”-92.91”

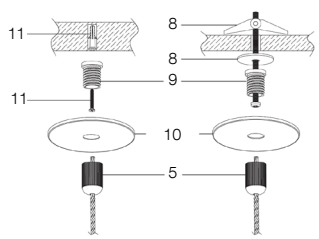


1



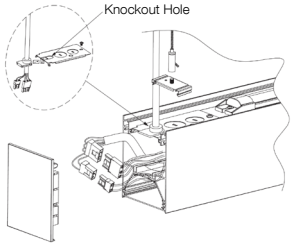
1. Secure the mounting bracket to the junction box with two 8-32 mounting screws.
2. Feed the power cord through the cable clamp and complete the wiring according to the wiring diagram.
3. Carefully tuck all connected wires into the junction box, lift the canopy to feed through the threaded spacer of the mounting bracket, then tighten the lock nut of the aircraft cable onto the exposed threaded spacer.

2



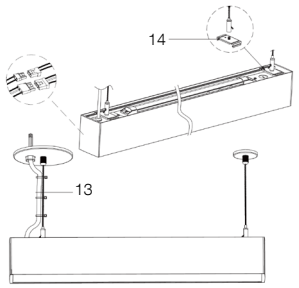
Mark the position of the canopy, secure the threaded spacer to the ceiling with a toggle bolt or expansion anchor, feed the canopy through the spacer, then tighten the lock nut of the aircraft cable onto the exposed threaded spacer.

3



1. Identify male and female ends. Mark them on the knockout plate.
2. Loosen the screws and remove the endcap from the female side of the luminaire, remove the knockout plate, knock out the designated
knockout hole, and reinstall the knockout plate.
3. Clip the SR cable clip of the power cord into the U-shaped groove and complete the wiring according to the wiring diagram.
4. Carefully tuck all wires into the luminaire and reinstall the endcap.

4



1. Fix the fixture clips on the luminaire.
2.Adjust the length of the aircraft cable by pressing down the spring-loaded mechanism of the cable gripper and pulling the bare end of the aircraft cable through the exit hole of the gripper.
3. Secure cable slack to the aircraft cable with color-matched cable ties.

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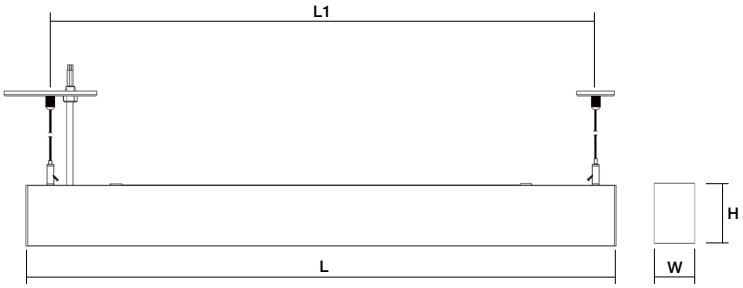
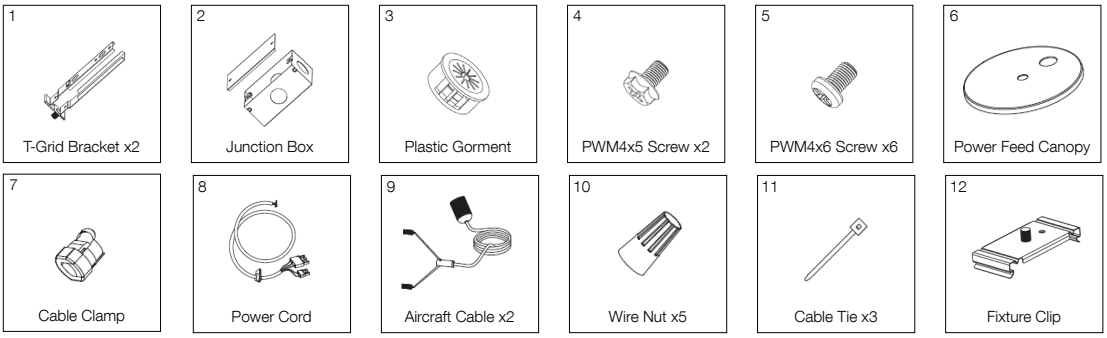
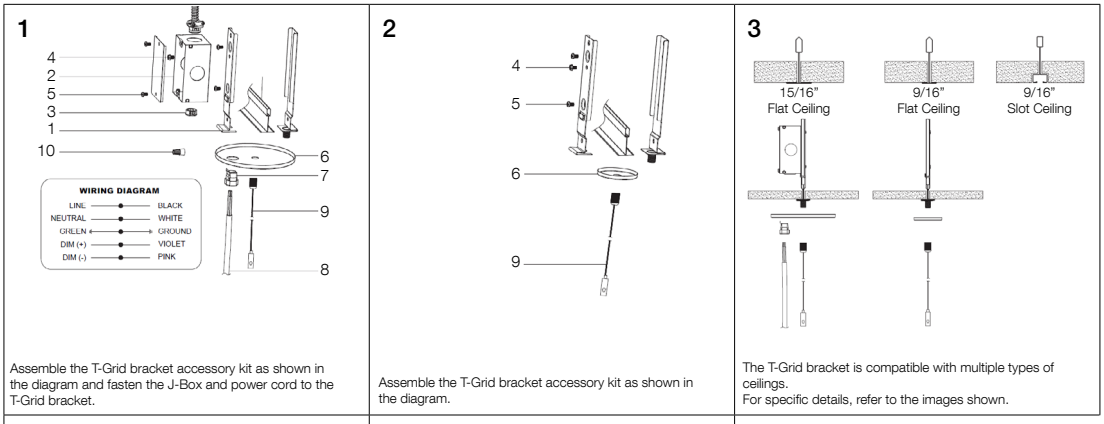
INSTALLATION

LMA-QMT / LMA-QMET - T-Grid Quick Mount Installation



LMA				
Size	L	W	H	L1 - Installation Spacing
2FT	23.82”	2.48”	3.15”	14.17”-22.05”
4FT	47.44”			37.80”-45.67”
6FT	71.06”			61.42”-69.30”
8FT	94.67”			85.03”-92.91”





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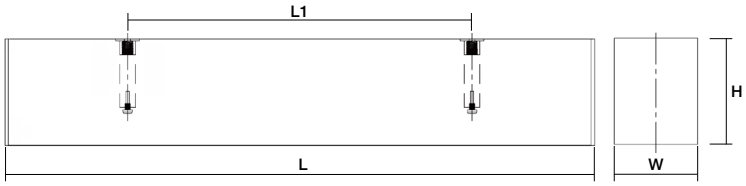
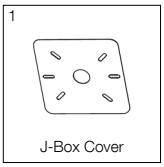
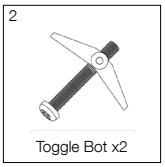
INSTALLATION

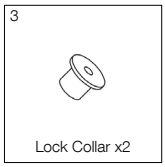
LMA-SM - Surface Mount Installation

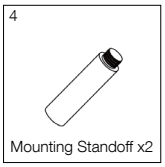


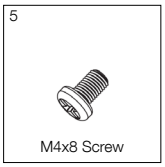
LMA				
Size	L	W	H	L1 - Installation Spacing
2FT	23.82”	2.48”	3.15”	14.17”
4FT	47.44”			37.80”
6FT	71.06”			61.42”
8FT	94.67”			85.03”

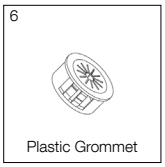

1 J-Box Cover

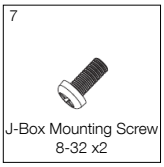

2 Toggle Bot x2

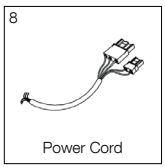

3 Lock Collar x2

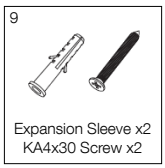

4 Mounting Standoff x2

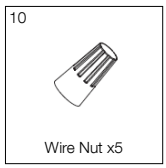

5 M4x8 Screw

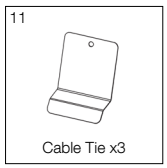

6 Plastic Grommet

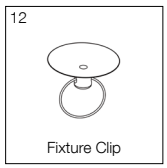

7 J-Box Mounting Screw 8-32 x2


8 Power Cord

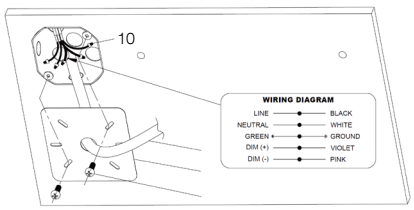

9 Expansion Sleeve x2 KA4x30 Screw x2


10 Wire Nut x5


11 Cable Tie x3

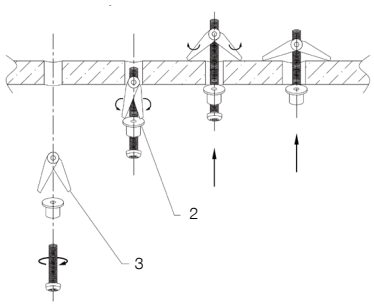

12 Fixture Clip

1



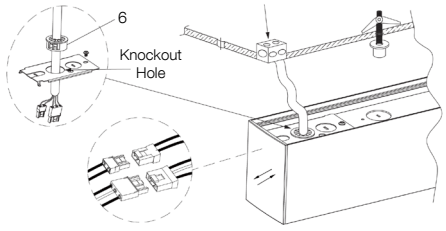
Determine the installation location of the lock collar based on the fixture length and drill holes in the ceiling.

2



Install the lock collar and mounting standoff as the above toggle bolt installation diagram.

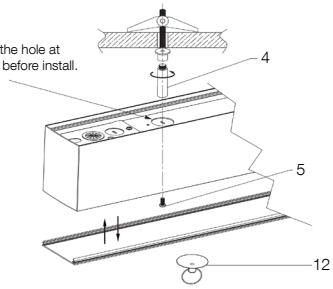
3



1. Identify female and male ends. Mark on the knockout plate.
2. Unscrew the screws, remove the endcap from the female side of the luminaire, and take out the knockout plate. Knock out the KO hole as shown and keep the endcap and screws for reuse.
3. Feed the supply wires through the plastic grommet and the hole in the knockout plate. Insert the plastic grommet into the hole. Connect the 5-wire cable to the male-female terminals in accordance with the color codes of the pre-connected wires.

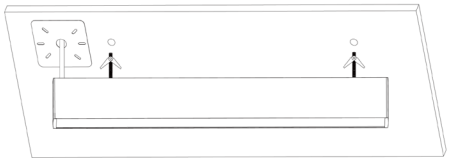
4

Knockout the hole at both ends before install.



1. Knock out the KO hole as shown in the diagram and tighten the mounting standoff with the lock collar by screwing.
2. Remove the diffuser with the suction cup and secure the luminaire body to the mounting standoff by locking screws at both ends.

5



Complete schematic diagram of surface mounting.

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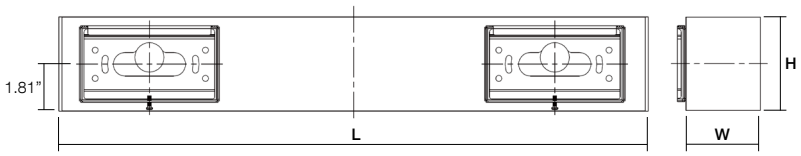
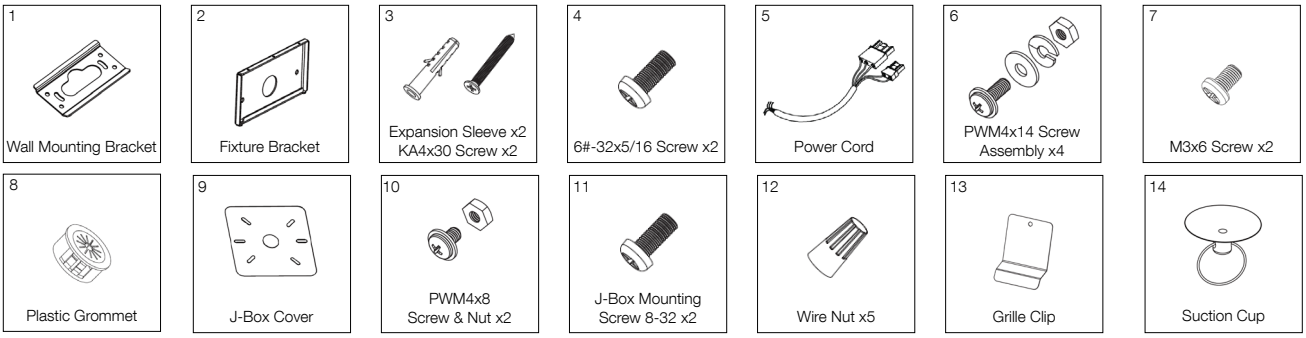
INSTALLATION

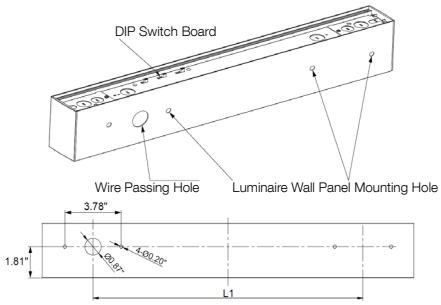
LMA-WM - Wall Mount Installation



LMA				
Size	L	W	H	L1 - Installation Spacing
2FT	23.82"	2.48"	3.15"	13.78"
4FT	47.44"			41.33"
6FT	71.06"			64.96"
8FT	94.67"			88.58"

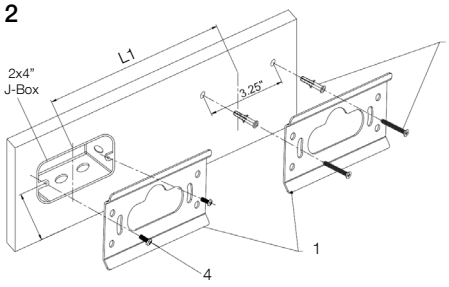


1

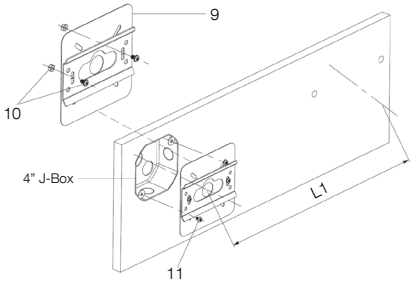


According to the installation hole dimensions of different types of fixtures, it is recommended to machine the side wire-passing hole and wall panel mounting holes as shown in the diagram.

2

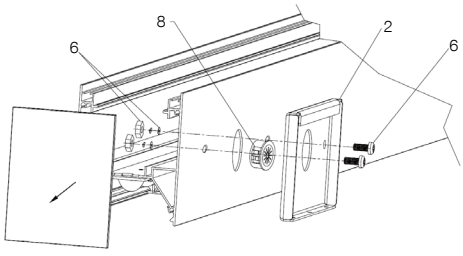


1. Take out wall-mounting brackets and 6-32 screws from the accessory pack, and then fix the bracket on the box.
2. Drill holes in the wall with a drilling tool, then drive the expansion anchors from the accessory pack into the holes to secure the bracket to the wall. Wall-mounting bracket is installed.



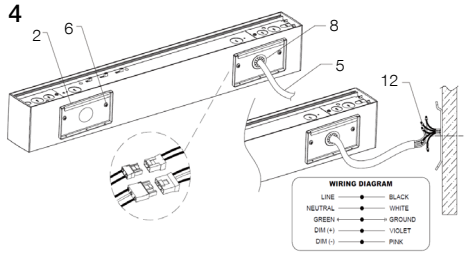
1. Fix the wall-mounting bracket on the J-Box cover and fix them on the 4" J-Box.

3



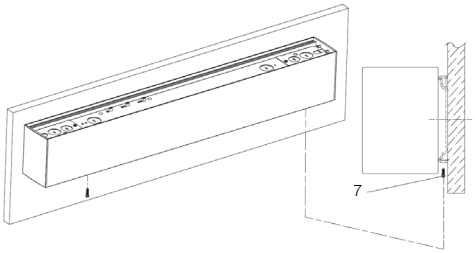
Take out the fixture bracket and plastic grommet from the accessory pack. First, insert the plastic grommet into the luminaire hole, then secure the bracket to the luminaire body as shown in the diagram.

4



Secure the fixture brackets to the luminaire with PWM4x14 screw assemblies, insert the plastic grommet into the wire-passing hole on the power feed side, feed the power cord through the grommet, and then connect the power cord terminal to the internal luminaire terminal. Connect the luminaire wires to the mains power as shown in the diagram and tighten them with the wire nuts.

5



Fully snap the luminaire wall plate into the wall recess and secure with screws at the bottom of the luminaire wall plate respectively. The installation is complete.

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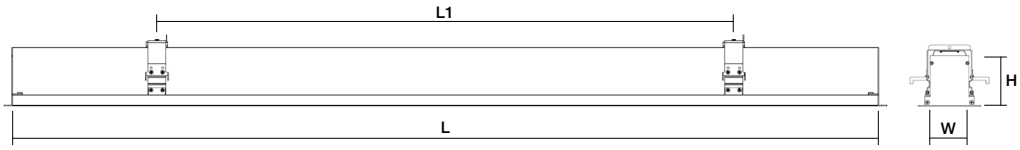
INSTALLATION

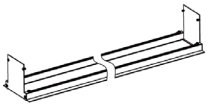
LMA-REC-TBAR - T-Grid Recessed Installation



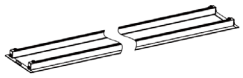
LMA-REC-TBAR						
Size	L	W	H	L1 - Installation Spacing	T-Grid Install Spacing (Vertical)	T-Grid Install Spacing (Horizontal)
2FT	23.82”	2.48”	3.15”	13.78”	24”	4.35”
4FT	47.44”			41.33”	48”	4.35”
8FT	94.67”			88.58”	96”	4.35”

WIRING DIAGRAM

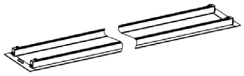
LINE	BLACK
NEUTRAL	WHITE
GREEN	GROUND
DIM (+)	VIOLET
DIM (-)	PINK



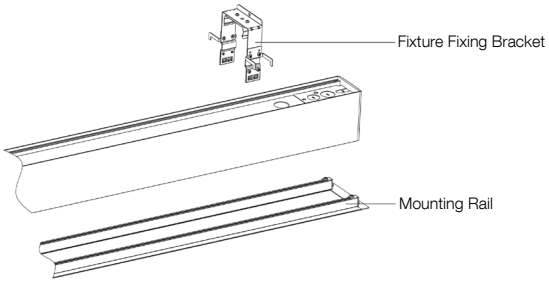
LMA-2FT Recessed Trimmed Mounting Rail



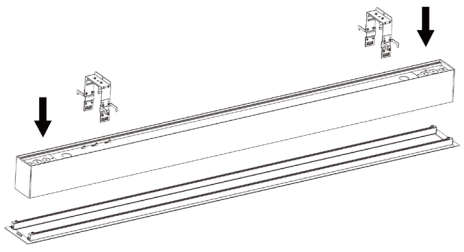
LMA-4FT Recessed Trimmed Mounting Rail



LMA-8FT Recessed Trimmed Mounting Rail

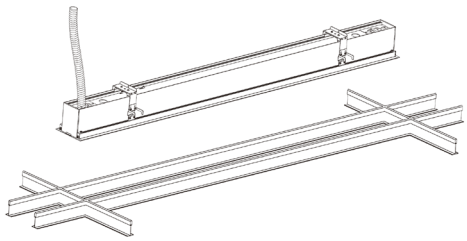


1



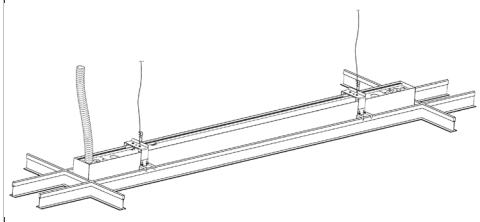
Fix the fixture together with the recessed trimmed mounting rail and the fixture fixing bracket.
(Note: The endcaps of the 2ft luminaire need to be removed first.)

2



Connect the AC cable of the luminaire to the mains power and place the luminaire into the ceiling grid.

3



The installation is complete.

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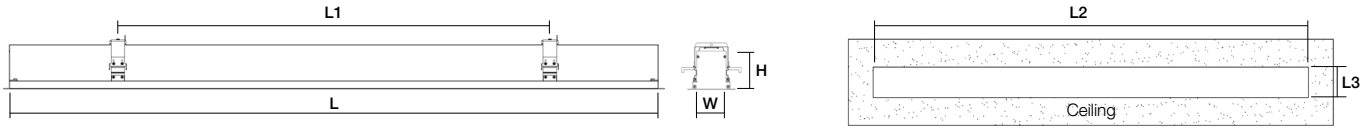
INSTALLATION

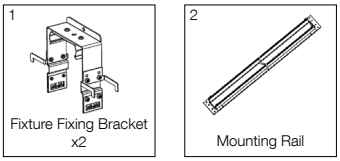
LMA-REC-TR - Trimless Recessed Installation

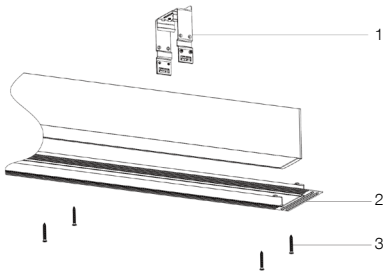


LMA-REC-TR						
Size	L	W	H	L1 Installation Spacing	L2 Dry Ceiling Slot Spacing	L3 Dry Ceiling Slot Spacing
2FT	23.82”	2.48”	3.15”	7.87”	24.40”	3.35”
4FT	47.44”			31.50”	48.03”	3.35”
6FT	71.06”			55.12”	71.65”	3.35”
8FT	94.67”			78.74”	95.28”	3.35”

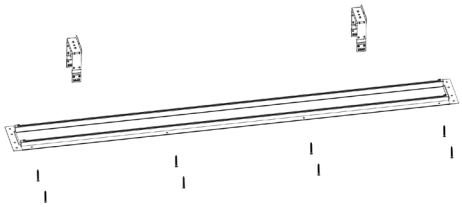
WIRING DIAGRAM

LINE	BLACK
NEUTRAL	WHITE
GREEN	GROUND
DIM (+)	VIOLET
DIM (-)	PINK



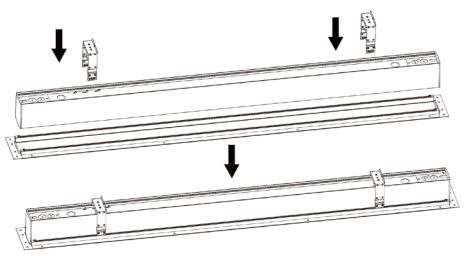


1



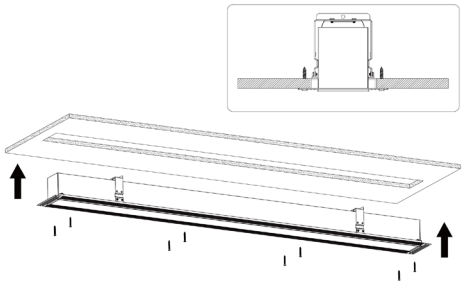
Prepare all the installation accessories.

2

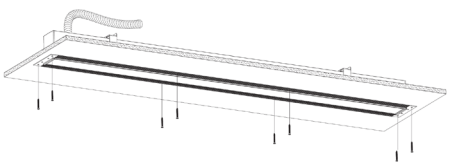


Fix the fixture and the frame together with the recessed fixing bracket.

3

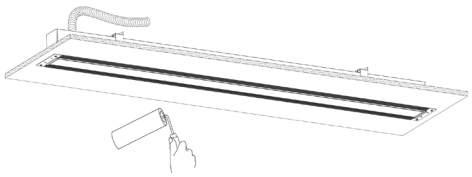


Connect the AC cable of the luminaire to the mains power.



Push the fixture into the slotted ceiling and tighten the fixture to the ceiling with the KA4x30 screws.

5



Brush the frame of the fixture with the limestone to hide the frame of the fixture in the ceiling and complete installation.

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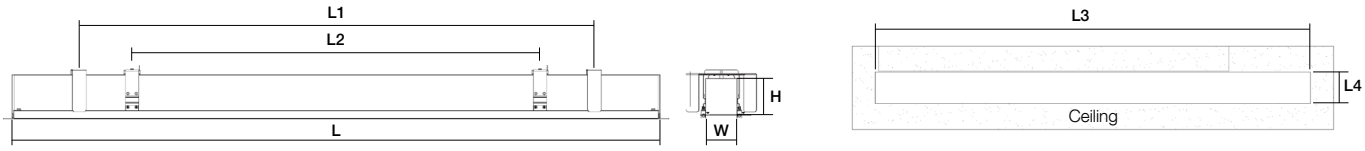
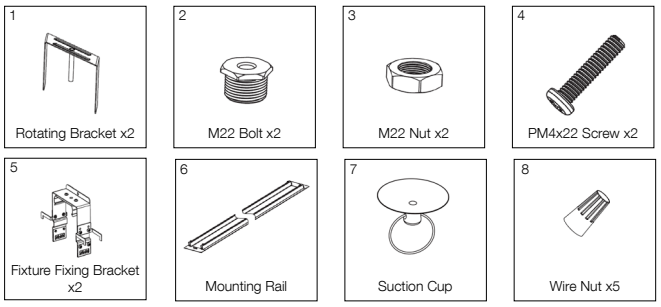
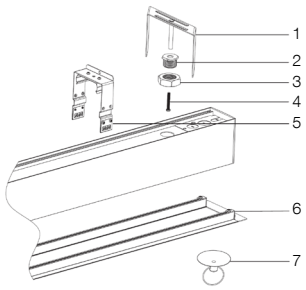
INSTALLATION

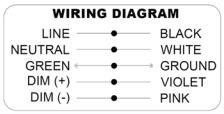
LMA-REC - Trimless Installation



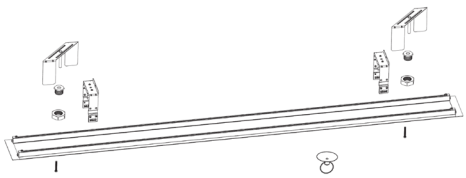
LMA-REC							
Size	L	W	H	L1 Installation Spacing	L2 Installation Spacing	L3 Dry Ceiling Slot Spacing	L4 Dry Ceiling Slot Spacing
2FT	23.82”	2.48”	3.15”	14.17”	7.87”	24.40”	3.38”
4FT	47.44”			37.80”	31.49”	48.03”	3.38”
6FT	71.06”			61.42”	55.11”	71.65”	3.38”
8FT	94.67”			85.04”	78.74”	95.28”	3.38”





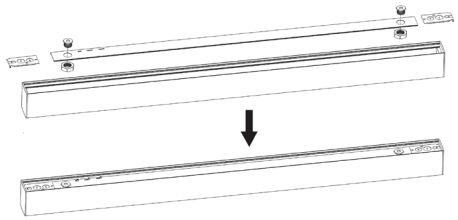


1



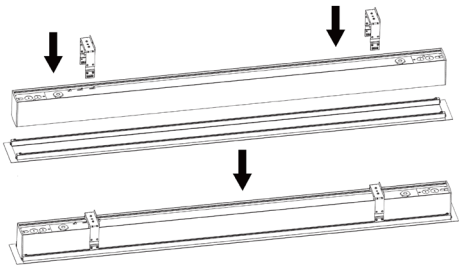
Prepare all the installation accessories.

2



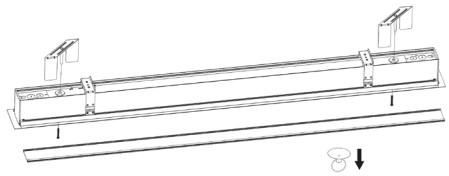
Remove the top cover of the fixture, pass the M22 bolts through the two holes in the back plate of the fixture, tighten them with M22 nuts, then reinstall the cover.

3



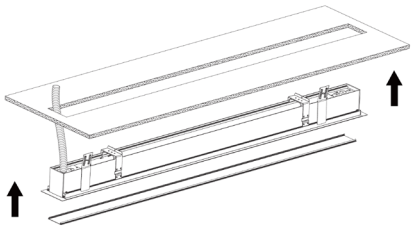
Fix the fixture and the frame together with the recessed fixing bracket.

4



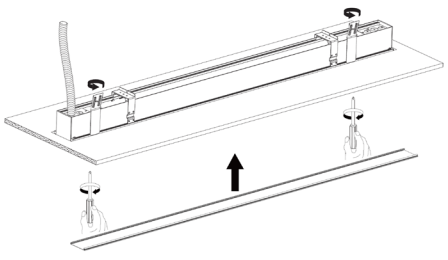
Remove the diffusion cover with the suction cup. Pass the rotating bracket through the holes in the center of the M22 bolts, then secure the rotating bracket nuts with PM4x22 screws—do not fully tighten them.

5



Connect the AC cable of the luminaire to the mains power.

6



Push the fixture into the slotted ceiling and tighten the fixture to the ceiling with the PM4x22 screws to complete installation.

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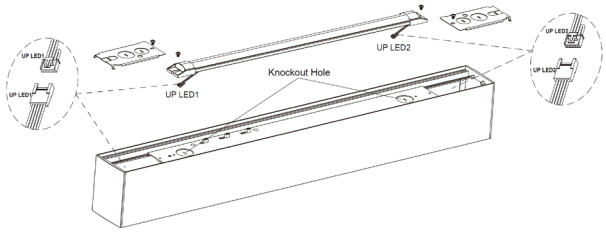
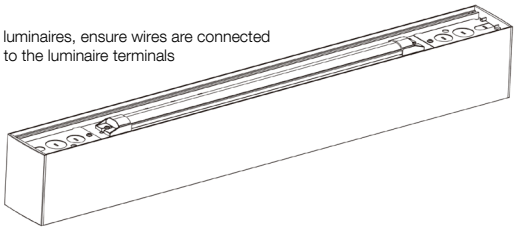
INSTALLATION

Indirect Lighting Module Installation

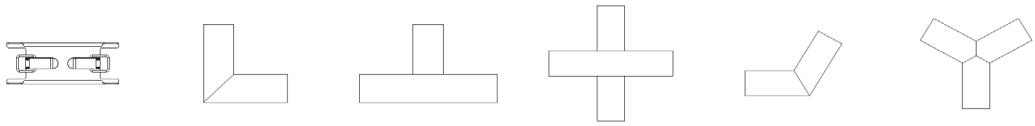
1. Knock out the knockoutholes and remove the wire covers.
2. Peel off the adhesive backing paper of the top-emitting module, then attach the module to the luminair body and secure it with two screws.
3. Connect the wires. (For 2ft and 4ft luminaires: Plug in the terminal wires of UP LED1.
For 8ft luminaires: Plug in the terminal wires of both UP LED1 and UP LED2.)
4. Tuck the wires into the luminaire and reinstall the wire covers.



Note: For 8ft luminaires, ensure wires are connected at both ends to the luminaire terminals

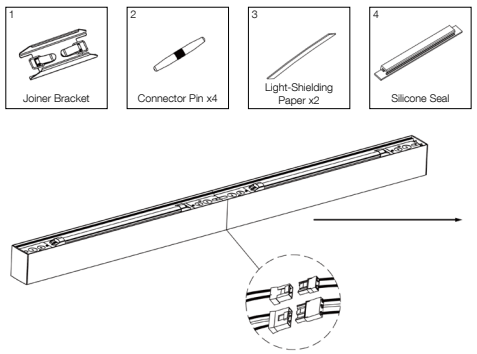


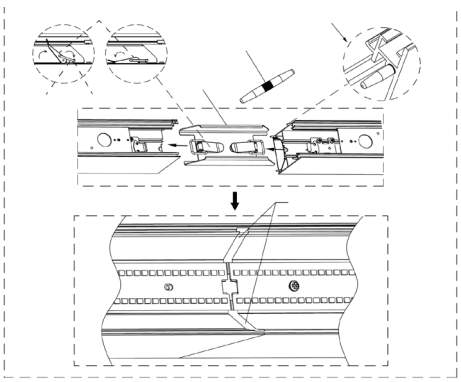
Joiner Installation

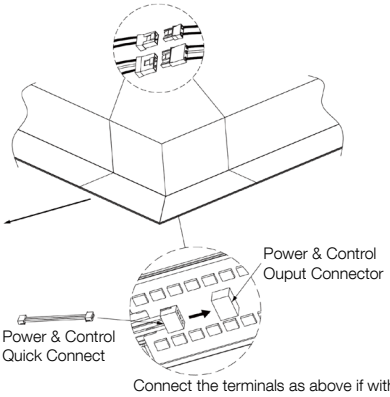


Joiner Bracket "L" Joiner "T" Joiner "X" Joiner "V" Joiner "Y" Joiner

1. Remove the wire cover of the fixture with a screwdriver and take out the joiner bracket and connetor pins from the accessory pack.
2. Insert the joiner bracket into the fixtures and insert the four connector pins into the holes of the fixture as shown in the diagram.
3. After connecting the docking terminal, lift the lever from the joiner bracket, bring the loop over to the installed hook, press down on the lever to lock the loop in place, and then reinstall the wire cover.
4. Tear off the adhesive backing of the light-shielding paper and stick it on the inner side of the luminaire body according to the illustration.



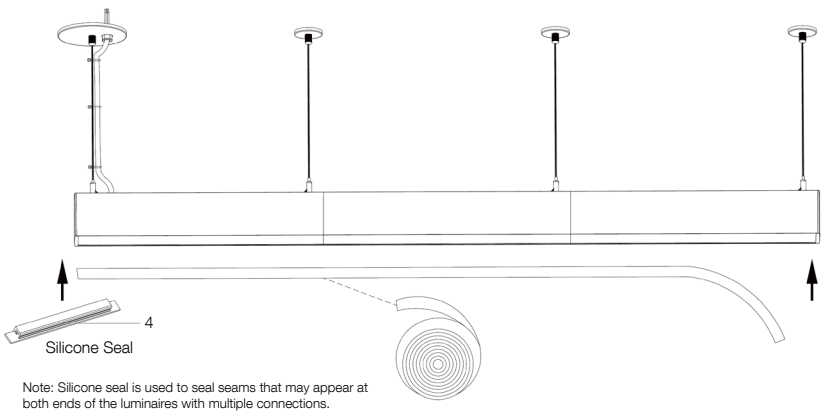




Connect the terminals as above if with joiners.

Diffuser Accessories (Optional)

Optional continuous rolling lens up to 40FT is available.



Note: Silicone seal is used to seal seams that may appear at both ends of the luminaires with multiple connections.

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