EyeLine
Wall LED

Installation Instructions

ID-EL_EyeLine_Wall

System Overview

These instructions review how to install EyeLine Wall fixtures. Please refer to layout drawings supplied by Ledalite in conjunction with these installation instructions. The graphics below show the steps required to correctly install EyeLine Wall continuous run and standalone luminaire configurations.

IMPORTANT: Read all instructions <u>including fixture/sensor wiring AND mechanical details</u> <u>before</u> beginning installation.

Continuous Run and Standalone Configurations



by (signify

Installation Steps Overview:

- 1. Install driver pods (reference ID-DP_DriverPod.PDF)
- 2. Install mounting rails on wall
- 3. Install luminaires with power connections
- 4. Install remaining luminaires and join
- 5. Level row with adjusting screws

IMPORTANT SAFETY AND HANDLING PROCEDURES

- DO NOT POWER UP ROW UNTIL ALL FIXTURES ARE INSTALLED AND CONNECTED
- AVOID HANDLING THE BOTTOM LENS, ONLY LIFT FROM MOUNTING RAIL
- KEEP LUMINAIRE IN THE BOX UNTIL READY TO BE INSTALLED
- MAKE SURE ALL LUMINAIRES AND JOINT KITS ARE ACCOUNTED FOR BEFORE BE-GINNING INSTALLATION

CORRECT HANDLING:



CAUTION: DO NOT PULL ON OUTER RAIL!



AT TENTION: install in accordance with national and local building and electrical codes.	FAGLI
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TYPICAL INSTALLATION:

EyeLine	
Wall LED	



NOTES:

CAUTION: DO NOT LIFT BY THE OUTER RAIL OR LENS

- Prior to luminaire installation, lay out fixtures to ensure correct power and non-power sections.
- Instructions below are based on an example run of 12ft row, refer to layout drawings for each row.
- Cotton gloves are recommended during installation to avoid fingerprints on lens surface.
- If cleaning is required, please use warm water and a mild dishwashing soap and a non-abrasive cloth.



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22 FOR ROW INSTALLA	TIONS: REMOVE SPACERS ON RAIL		



REMOVE SPACERS FROM BOTH SIDES OF WALL RAIL FOR ROW INSTALLATIONS.

BEND THE PORTION AS SHOWN AND IT WILL SNAP OFF AT THE GREEN LINE.

2b FOR STANDALONE 4FT INSTALLATIONS: CUT OUT SECTION SHOWN

REMOVE SECTION FROM CENTER OF WALL RAIL FOR CLEARANCE.

CUT GREEN DOTS TOP EDGE WITH SIDECUTTERS, AND BEND THE REMAINDER TO SNAP OFF.

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3 INSTALL DRIVER PODS AND NON-POWERED MOUNTS (SEE ID-DP_DriverPod.PDF)



REMOVE KNOCKOUT AND RUN DC POWER FEEDS THROUGH RAIL.

NOTE, WIRE SUPPLIED BY OTHERS: SINGLE DRIVER POD: CMR/CMP 22/2 AWG OR THICKER WIRE REQUIRED. DUAL DRIVER POD: CMR/CMP 22/4 AWG OR THICKER WIRE REQUIRED.

1 PREPARE TO INSTALL LUMINAIRE



NOTE: DRIVER POD MAY BE WIRED REMOTELY UP TO 100FT AS PER THE TABLE BELOW. (DC POWER CABLE SUPPLIED BY OTHERS)

DC Power Cable Gauge	Max Distance Between
CMR/CMP 22/2 AWG	60ft [18m]
CMR/CMP 18/2 AWG	100ft [30m]

REMOVE SCREWS FROM THE SUPPLIED BAG.

TOOLS NEEDED: #2 PHILLIPS BIT AND SCREWDRIVER

NOTE: RECOMMENDED 2 PERSONS FOR INSTALLATION. THIS IS REQUIRED TO HOLD LUMINAIRE WHILE SECURING TO WALL.

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CONNECT DRIVER POD FEED TO LUMINAIRE WITH PROVIDED LEVER-LOCK CONNECTORS 5





INSTALL LUMIMAIRE BY HOOKING ONTO THE WALL RAIL, AND **ROTATING DOWN TO LEVEL.**

ENSURE THAT THE WIRING IS CLEAR OF THE METAL COMPONENTS.

CAUTION: ALWAYS HOLD ONTO LUMINAIRE UNTIL ALL FASTENERS ARE INSTALLED

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	Installation Instructions	Continuous Run and Standalone Configurations	
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7 INSTALL LOCKING SCR	REWS		
		INSERT LOCKING SCREWS AND TIG WITH LUMINAIRE.	HTEN ONLY UNTIL FLUSH
8 REPEAT STEPS 4-7 FOR	R NEXT LUMINAIRE AND SLIDE TOGETHER	NOTE: THESE WILL BE USED IN LAT	ER STEPS FOR LEVELING.
		CAUTION: HOLD ONTO S UNTIL ALL FASTENERS	ECOND LUMINAIRE
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INSERT SUPPLED JOINING SCREW AND TIGHTEN



TO CONNECT LUMINAIRES, INSTALL THE REMAINING SUPPLIED JOINER SCREW AND TIGHTEN GENTLY.

(NOTE: THIS IS THE SAME TYPE OF SCREW USED ON RAIL)

ENSURE THAT THE BOTTOM EDGE OF JOINT IS FLUSH BEFORE FINAL TIGHTENING.

10 INSTALL JUMPER WIRES PER LAYOUT DRAWINGS



JUMPER WIRES ARE SUPPLIED TO ALLOW ONE MODULE TO PROVIDE POWER TO ADDITIONAL PARTS OF THE ROW.

THESE MUST BE INSTALLED ACCORDING TO THE LAYOUT DRAWINGS FOR EACH ROW, OR FAILURE COULD OCCUR.

CAUTION: DO NOT ENERGIZE CIRCUIT UNTIL ALL JUMPERS ARE INSTALLED

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11 LEVEL ROW BY	ADJUSTING SCREWS	STARTING AT ONE END OF THE R MOUNTING SCREW UNTIL SECTIO CONTINUE DOWN THE ROW UNT ON THE TOP PLANE OF LUMINAII	OW, ADJUST REAR DN IS LEVEL. TIL ALL SECTIONS ARE LEVEL RE.

12 ENERGIZE DRIVER POD AND CHECK SYSTEM



NOTE: IF A MODULE DOES NOT ILLUMINATE, CHECK THAT JUMPERS AND POWER FEED LOCATIONS MATCH THE LAYOUT DRAWINGS FOR THE ROW.

REFER TO LUMINAIRE MAINTINANCE AND CLEANING INSTRUCTIONS IF LENS REQUIRES CLEANING.

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Sensor in Rows

Single Sensor Controlling Whole Row

1. Purple & brown (or purple & grey/pink) control wires **MUST** be connected between fixtures. Note :

- A maximum of 8 drivers can be wired to 8 sensors; confirm fixture driver count with factory.



Multiple Sensors Controlling Separates Zones in a Row

2. Purple & brown (or purple & grey/pink) control wires **MUST NOT** be connected between zones. Notes :

- A maximum of 8 drivers can be wired to one sensor; confirm fixture driver count with factory.
- Only one sensor is allowed on a wired zone. (Sensors can be paired together wirelessly via a mobile app).



Sensor Spacing

- For correct operation, sensor should be placed a minimum distance of 8ft apart.
- Wireless sensor should be placed no further than 40ft apart for good wireless signal connection.



Important Consideration When Using Sensor in a Row

Continuous Run and Standalone

Configurations

- For fixtures with wireless sensors (CS, SB or RA options): **DO NOT** connect fixture purple and brown (or purple & grey/pink) control wires to an external dimming switch. Fixture mains wiring should not be connected to a circuit with an external on/off switch.
- For best aesthetic condition, place sensors at ends of row only so as not ٠ to break the continuous lens.
- For better occupancy coverage in longer rows, sensors may be placed mid run, but keep in mind this will break the continuous lens into discrete sections. Alternatively, remote sensors may be used, note the same wiring rules will apply.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interreference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Occupancy Sensor Coverage:

Note: Longer dimension of detection area (Y1, Y2) is parallel to longer dimension of the luminaire.



Daylight Sensor

The light sensor measures the total amount of light in a circular field of approximately 80% of the PIR detection area. The following aspects should be observed during installation:

- Minimum distance from the window \geq 2ft (0.6m).
- Prevent light reflections from outside entering the sensor (for example sunlight reflection on a car hood) as this will lead to incorrect light regulation.

As a guideline the formula 0.72 X H can be used to calculate the minimum distance between the window and sensor whereby H is the height from the bottom of the window to the sensor.

Height	eight Minor movement		Major movement		
h	X1	Y1	X2	Y2	
2.4 m (7.9 ft)	1.9 m (6.2 ft)	2.9 m (9.5 ft)	2.9 m (9.5 ft)	4.3 m (14.1 ft)	
3 m (9.8 ft)	2.4 m (7.9 ft)	3.6 m (11.8 ft)	3.6 m (11.8 ft)	5.4 m (17.7 ft)	

The detection area for the movement sensor can be roughly divided into two parts;

- Minor movements (person moving ≤ 3ft/s or 0.9m/s).
- Major movements (person moving ≥ 3ft/s or 0.9m/s).

Photosensor spatial response



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