

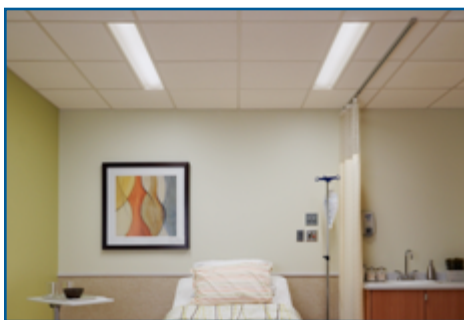
# APOLLO™ 8 LED

Multi-Function Healthcare Luminaire

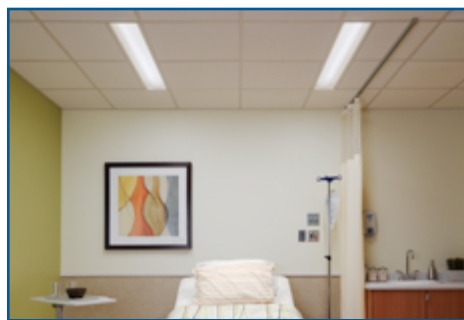


## Supporting Healthcare Professionals While Enhancing the Patient Experience

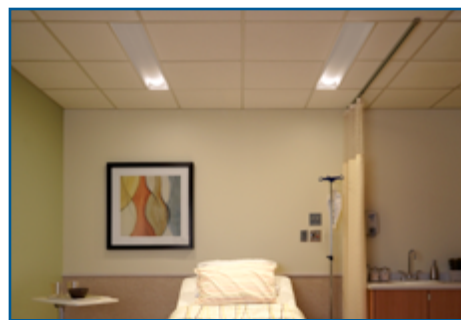
A multi-functional LED luminaire that supports the demands of healthcare environments by improving patient comfort and well-being while accommodating the needs of healthcare professionals. Apollo™ 8 LED is designed to support diverse areas of healthcare facilities, from corridors to examination rooms. The powerful luminaire is offered in three configurations: Ambient only, Ambient with Exam, and Ambient with Exam and Reading Light. Its glare-free illumination meets the required light levels of the Illuminating Engineering Society (IES) Lighting for Hospitals and Healthcare Facilities (ANSI/IES RP-29-16) standards.



AMBIENT



EXAM



READING LIGHT



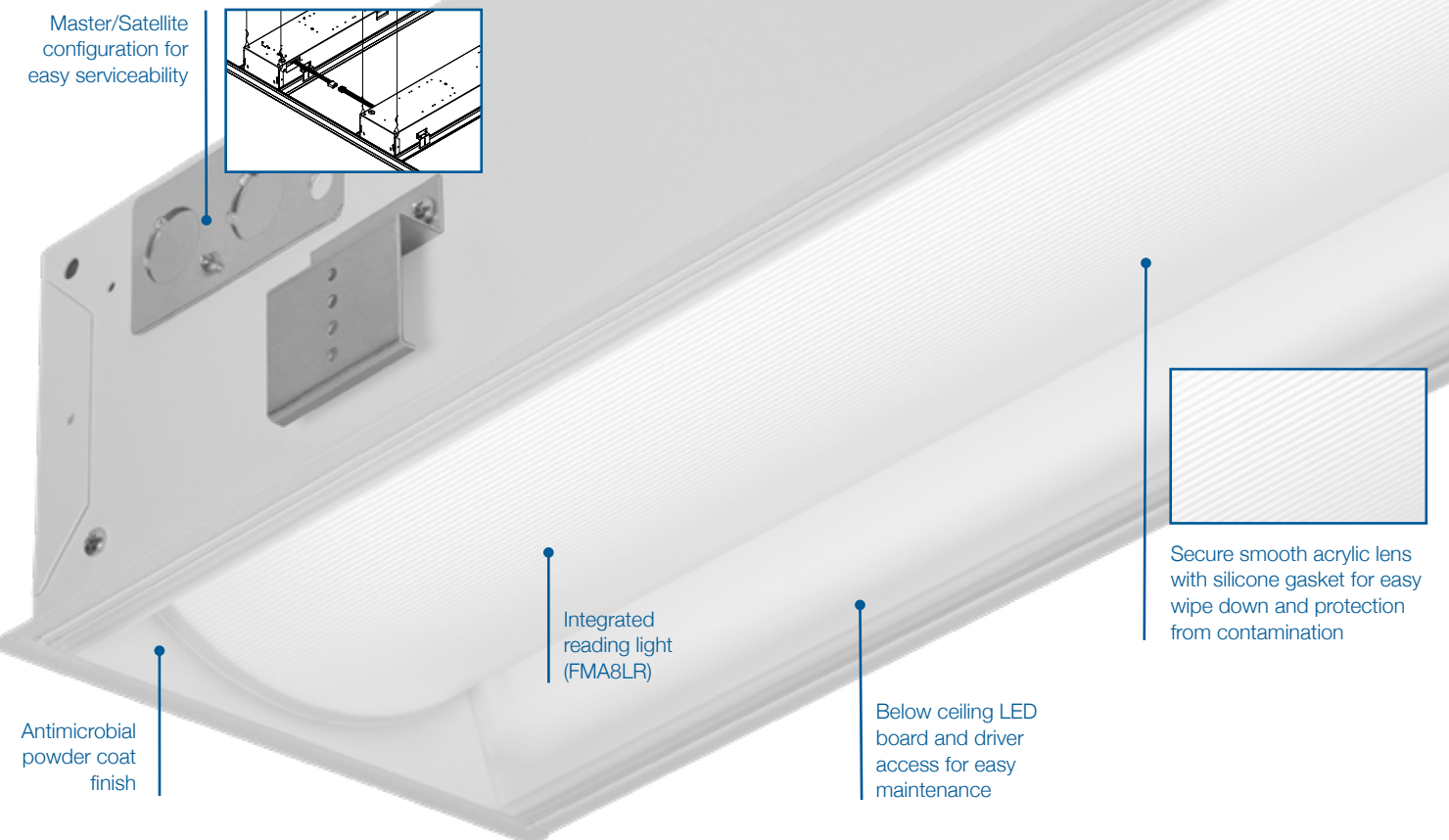
# APOLLO 8 LED



Apollo 8 LED combines architectural aesthetic with superior performance. It supports the common considerations for healthcare design: comfort, function, safety, sustainability, and health and wellness, enhancing the patient experience while meeting clinical requirements in healthcare applications.

- 8" x 4' linear recessed LED luminaire
- Three functions: exam, ambient and reading light
- Ideal for patient rooms and examination areas
- Custom Curbell dimmable low voltage controller (LVC) used for LVC options
- LVC dimming modes offered: on/off, step, and smooth
- Asymmetric light distribution in exam function
- Six standard lumen output options and three reading light options
- Available in several color temperatures with 80 and 90 CRI offered as standard
- Average LPW > 100 for both 80 and 90 CRI

- RL** Right Light, independently select Ambient and Exam light levels for factory custom programming of wattages and lumen outputs within the range in order to meet total footcandle (fc) requirements
- Designed to deliver 75fc/100fc for examination. Meets IES ANSI/RP-29-16 requirements for general, exam and reading illumination levels in patient and examination rooms.



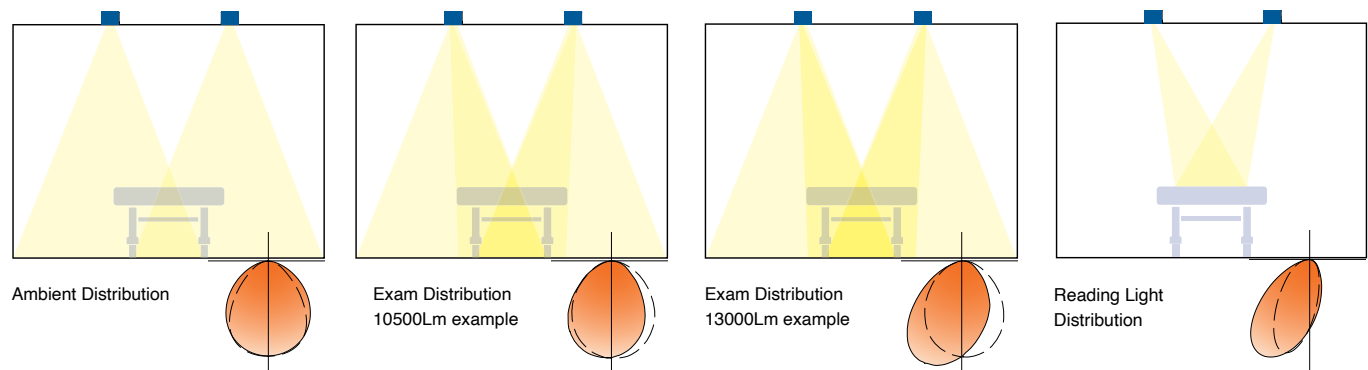


# APOLLO 8 LED

## Ambient + Exam + Reading Light (FMA8LR)

Designed to support patient comfort and physician tasks with three functions of illumination. The linear tandem luminaires free up valuable ceiling space to accommodate other critical healthcare equipment.

- Ambient and Reading functions are dimmable with a low voltage controller (LVC), the Exam function is on/off only
- Reading Light color temperature may be specified independently from Ambient and Exam
- Total delivered lumen output range 10300Lm - 13000Lm in exam function
- Available as tandem luminaires only

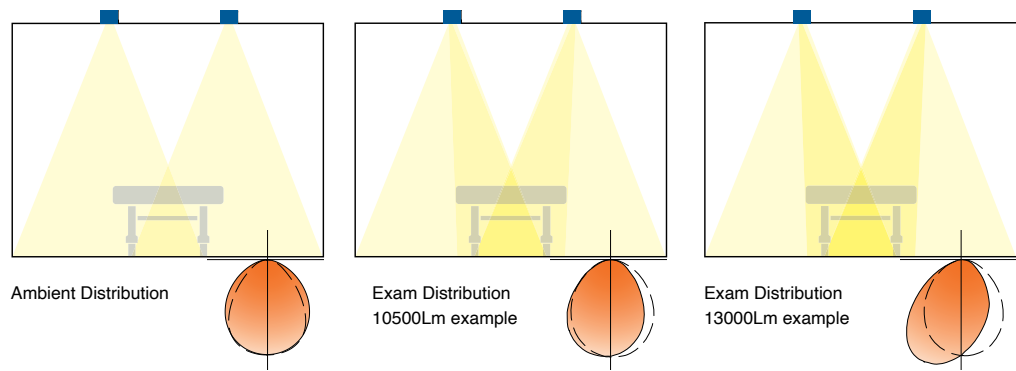


# APOLLO 8 LED

## Ambient + Exam (FMA8LE)

Designed to address clinical needs for simple procedures or complex operations by delivering general ambient and direct illumination onto patient beds. Its asymmetric beam distribution provides healthcare professionals shadow-free illumination during examinations while minimizing disruption to others in the room.

- Total delivered lumen output range 10300Lm - 13000Lm in exam function
- Available as tandem luminaires only



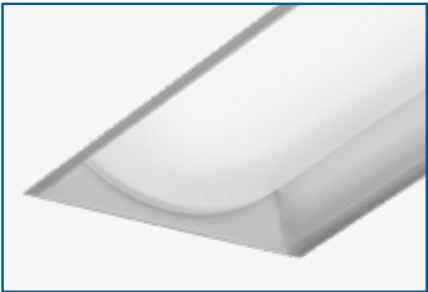
Photometric curves depict a single luminaire.

# APOLLO 8 LED

## Ambient Only (FMA8L)

A companion luminaire, enhancing illumination in simple healthcare applications to promote a warm and welcoming atmosphere. It creates a soft and calming experience for patients, visitors, and staff with glare-free general illumination.

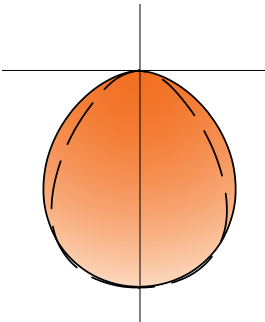
- Ideal for areas of respite
- Lumen output range 2000Lm - 4500Lm
- Offered as individual units only



AMBIENT

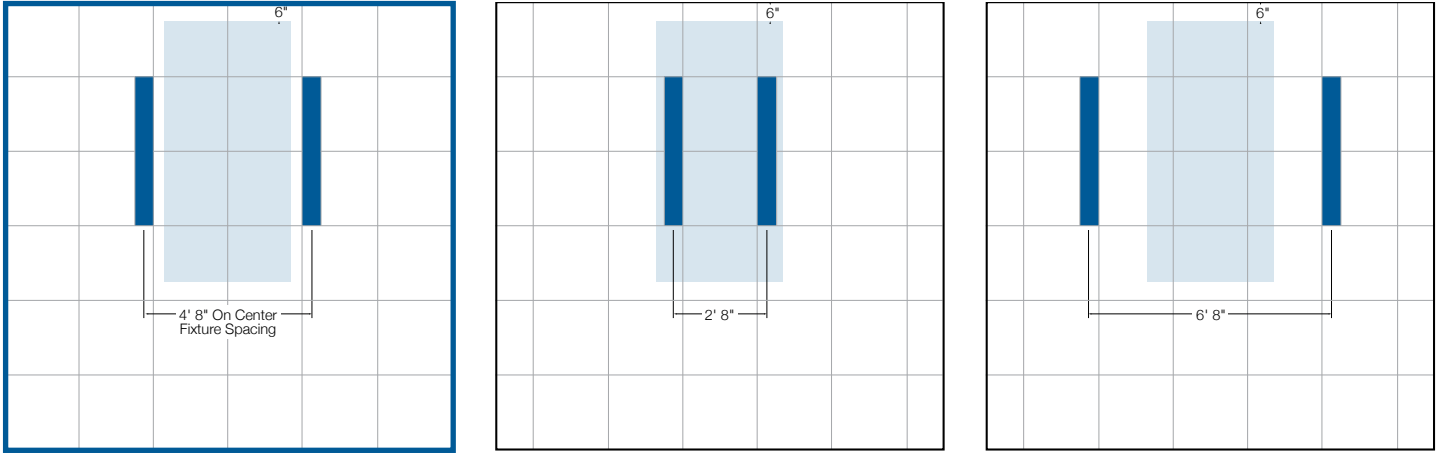
| Delivered Lumens | 80 CRI              |     | 90 CRI              |     |
|------------------|---------------------|-----|---------------------|-----|
|                  | Tested System Watts | LPW | Tested System Watts | LPW |
| 2000             | 16                  | 126 | 19                  | 108 |
| 2500             | 20                  | 123 | 24                  | 106 |
| 3000             | 25                  | 121 | 29                  | 104 |
| 3500             | 29                  | 120 | 34                  | 103 |
| 4000             | 34                  | 119 | 39                  | 103 |
| 4500             | 38                  | 118 | 44                  | 102 |

Based on 3500k. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%



# APOLLO 8 LED

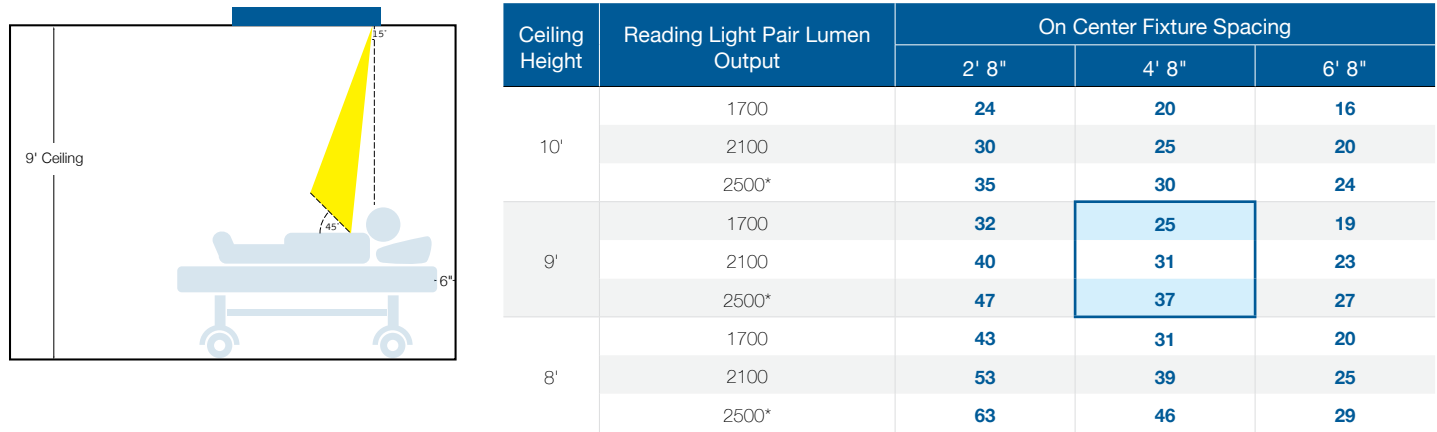
**IDEAL PATIENT ROOM** (Indicated by blue and white boxes in illuminance charts)  
12' x 12' Room | 9' Ceiling | 3' 5" x 7' Bed Spaced 6" from wall | 4' 8" On Center Fixture Spacing



## PATIENT ROOM AMBIENT ILLUMINANCE (AVERAGE FOOTCANDLES 80 & 90 CRI)



## 45° ANGLED READING PLANE ILLUMINANCE (AVERAGE FOOTCANDLES 80 & 90 CRI)



\*2500 Lumens 80 CRI only.

## AMBIENT + EXAM (FMA8LE) PATIENT BED ILLUMINANCE (AVERAGE FOOTCANDLES 80 & 90 CRI)

| Ceiling Height | Total Patient Bed Pair Lumen Output |                | On Center Fixture Spacing |               |                  |               |                  |               |
|----------------|-------------------------------------|----------------|---------------------------|---------------|------------------|---------------|------------------|---------------|
|                |                                     |                | 2' 8"                     |               | 4' 8"            |               | 6' 8"            |               |
|                | Ambient                             | Ambient + Exam | Ambient Function          | Exam Function | Ambient Function | Exam Function | Ambient Function | Exam Function |
| 10'            | 2800                                | 10300          | 19                        | 69            | 17               | 63            | 15               | 58            |
|                | 4300                                | 10400          | 28                        | 69            | 25               | 63            | 22               | 57            |
|                | 5700                                | 10500          | 38                        | 70            | 34               | 63            | 30               | 57            |
|                | 2800                                | 11000          | 19                        | 78            | 17               | 74            | 15               | 69            |
|                | 4300                                | 12000          | 28                        | 89            | 25               | 84            | 22               | 78            |
|                | 5700                                | 13000          | 38                        | 90            | 34               | 84            | 30               | 78            |
| 9'             | 2800                                | 10300          | 23                        | 84            | 20               | 75            | 17               | 66            |
|                | 4300                                | 10400          | 35                        | 85            | 30               | 75            | 25               | 65            |
|                | 5700                                | 10500          | 46                        | 85            | 40               | 75            | 34               | 65            |
|                | 2800                                | 11000          | 23                        | 96            | 20               | 88            | 17               | 80            |
|                | 4300                                | 12000          | 35                        | 110           | 30               | 100           | 25               | 90            |
|                | 5700                                | 13000          | 46                        | 111           | 40               | 100           | 34               | 89            |
| 8'             | 2800                                | 10300          | 28                        | 104           | 24               | 90            | 19               | 75            |
|                | 4300                                | 10400          | 43                        | 105           | 35               | 89            | 28               | 74            |
|                | 5700                                | 10500          | 57                        | 105           | 47               | 89            | 37               | 73            |
|                | 2800                                | 11000          | 28                        | 120           | 24               | 106           | 19               | 91            |
|                | 4300                                | 12000          | 43                        | 137           | 35               | 120           | 28               | 103           |
|                | 5700                                | 13000          | 57                        | 138           | 47               | 120           | 37               | 101           |

## AMBIENT + EXAM + READING LIGHT (FMA8LR) PATIENT BED ILLUMINANCE (AVERAGE FOOTCANDLES 80 & 90 CRI)

| Ceiling Height | Total Patient Bed Pair Lumen Output |                | On Center Fixture Spacing |               |                  |               |                  |               |
|----------------|-------------------------------------|----------------|---------------------------|---------------|------------------|---------------|------------------|---------------|
|                |                                     |                | 2' 8"                     |               | 4' 8"            |               | 6' 8"            |               |
|                | Ambient                             | Ambient + Exam | Ambient Function          | Exam Function | Ambient Function | Exam Function | Ambient Function | Exam Function |
| 10'            | 2800                                | 10300          | 19                        | 69            | 17               | 63            | 15               | 58            |
|                | 4300                                | 10400          | 28                        | 69            | 25               | 63            | 22               | 57            |
|                | 5700                                | 10500          | 38                        | 70            | 34               | 63            | 30               | 57            |
|                | 2800                                | 11000          | 19                        | 79            | 17               | 75            | 15               | 71            |
|                | 4300                                | 12000          | 28                        | 88            | 25               | 83            | 22               | 79            |
|                | 5700                                | 13000          | 38                        | 89            | 34               | 84            | 30               | 78            |
| 9'             | 2800                                | 10300          | 23                        | 84            | 20               | 75            | 17               | 66            |
|                | 4300                                | 10400          | 35                        | 84            | 30               | 75            | 25               | 66            |
|                | 5700                                | 10500          | 46                        | 85            | 40               | 75            | 34               | 65            |
|                | 2800                                | 11000          | 23                        | 97            | 20               | 90            | 17               | 83            |
|                | 4300                                | 12000          | 35                        | 109           | 30               | 100           | 25               | 91            |
|                | 5700                                | 13000          | 46                        | 110           | 40               | 100           | 34               | 90            |
| 8'             | 2800                                | 10300          | 28                        | 104           | 24               | 90            | 19               | 75            |
|                | 4300                                | 10400          | 43                        | 105           | 35               | 89            | 28               | 74            |
|                | 5700                                | 10500          | 57                        | 105           | 47               | 89            | 37               | 74            |
|                | 2800                                | 11000          | 28                        | 122           | 24               | 109           | 19               | 96            |
|                | 4300                                | 12000          | 43                        | 136           | 35               | 121           | 28               | 105           |
|                | 5700                                | 13000          | 57                        | 137           | 47               | 120           | 37               | 104           |

Reflectances: 80/50/20 | Light Loss Factor: 0.9 Light levels calculated in AGI-32. Calculations do not include any furniture or partitions.

# APOLLO 8 LED

## Low Voltage Controller Options

The use of low voltage controls allows for patients to control light levels through a pillow speaker while also providing flexibility for healthcare professionals to control the luminaire from a wall switch. Apollo 8 LED is available with step or smooth dimming capabilities.

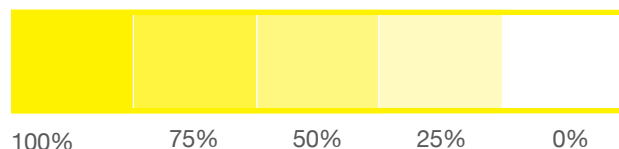
### SMOOTH DIMMING

Smooth dimming allows for a controlled progression of light output starting at 100% and dimming down to 1% with a simple push and continuous hold of a button.



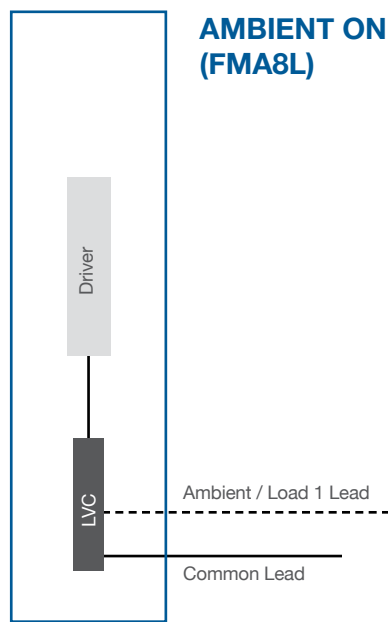
### STEP DIMMING

Step dimming allows for a controlled progression of light output in four steps with 25% increments: 100%, 75%, 50% and 25% with simple push button functionality.

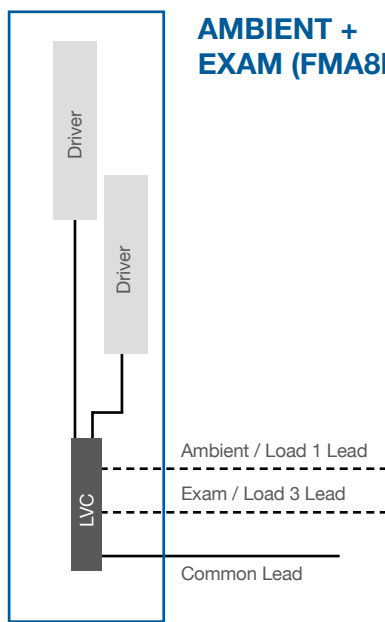


A custom Curbell low voltage controller is designed to operate up to three separate loads. The LVC accepts a single universal voltage input of 120-277V and is pre-installed in the luminaire. Refer to luminaire cut sheets for specification information.

#### AMBIENT ONLY (FMA8L)



#### AMBIENT + EXAM (FMA8LE)



#### AMBIENT + EXAM + READING LIGHT (FMA8LR)

