ADVANTAGE ENVIRONMENTAL LIGHTING

MADE IN THE USA

CATALOG #:

PROJECT:

TYPE:

# LDL12OR

## 12", ASYMMETRICAL LINEAR LIGHTING FOR O.R. CEILINGS

The **LDL12OR** is an all new lighting solution specifically designed for use in operating room ceilings. This fully customizable lighting system can be easily configured and adapted to your specific needs. Flexibility is a key feature - with any shape possible and a wide range of options to customize to a surgery suites specific needs. Like all of our LDL series, you get clean lines, smooth continuous runs, and a tight lens fitment. Installation is an easy and trouble-free process. This LDL fixture is the future for a modern, sleek, and high performance surgery suite lighting solution.

**CONSTRUCTION:** Constructed of a precision cut, heavy gauge cold rolled steel with an internal joiner system. Customizable in almost any shape.

**MOUNTING:** Designed to install into surgery suite ceilings. Custom designed brackets insure a stable lighting fixture.

**LEDS:** High Output LEDs are available in 2700K, 3000K, 3500K, 4000K, and 5000K color temperatures. Integral LEDs are rated for at least 100K life hours (L70). White or green LEDs, or a mix of green and white LEDs are available.

**OPTICS:** A snap-in satin acrylic lens fully diffuses the appearance of the LEDs and provides excellent light transmission. Like all our fixtures, even light distribution is always the goal.

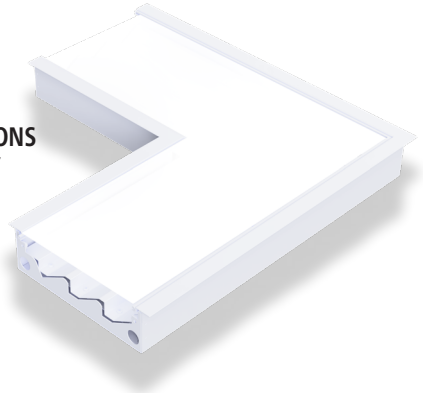
**DRIVER:** 0-10V dimming driver included standard. Driver options available for 1% dimming, Lutron EcoSystem, and DALI. A remote driver power box is also available.

**FINISH:** Anti-microbial finish is standard.  Other finished are available.

**LISTINGS:** BAA, BABA Compliant. Designed and manufactured in the USA. ETL listed.

**WARRANTY:** 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty

**CORNER SECTIONS MAKE TO EASY TO CONFIGURE IN VARIETY OF SHAPES**



**Ordering Information on Next Page ►**

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## ORDERING INFORMATION Example: LDL12OR-40-500L-22-F-AM-M

| SERIES | CCT | OUTPUT CIRCUIT 1[1] | OUTPUT CIRCUIT 2[1] | OUTPUT CIRCUIT 3 (GREEN LEDS)[2] | MOUNTING |
|---|---|---|---|---|---|
| LDL12OR | 27 2700K<br>30 3000K<br>35 3500K<br>40 4000K<br>50 5000K | 500L 500 lm/ft.<br>1000L 1000 lm/ft.<br>1500L 1500 lm/ft.<br>2000L 2000 lm/ft.<br>2500L 2500 lm/ft. | 500L 500 lm/ft.<br>1000L 1000 lm/ft.<br>1500L 1500 lm/ft.<br>2000L 2000 lm/ft.<br>2500L 2500 lm/ft. | 22 Green LED, 2200 Lumens<br>44 Green LED, 4400 Lumens<br>XX Custom Lumens (green only)<br>This shows total lumens for green LED, not lumens per foot. | L Lay-in Grid<br>F Flanged<br>FT Flangeless Trim |

| FINISH | CONFIGURATION | DRIVER | VOLTAGE | OPTIONS |
|---|---|---|---|---|
| AM Anti-Microbial Finish (standard)<br>MW Matte Finish<br>CW Coastal White<br>SP Special Finish | RDXXX Rectangle Dimensions as shown on attached drawing (see following pages)<br>SRXXX Special Rectangle Dimensions as shown on attached drawing (see following pages) | (BLANK) 0-10V 10% dimming driver<br>CD1 0-10V 1% dimming driver<br>CD5 0-10V 5% dimming driver<br>EDN Non-dimming electronic driver<br>DALI DALI 1% dimming driver<br>LDE1 Lutron Hi-Lume 1% EcoSystem LED Driver<br>RPB-6 Remote Mounted Driver Box (see last page for details), up to 6 drivers<br>RPB-9 Remote Mounted Driver Box (see last page for details), up to 9 drivers | M Multi-Volt (120-277VAC) | 14EBL 14 Watt Lumen Emergency Ballast(3)<br>90 90 CRI<br>RGBW Addressable DMX Decoder for DMX512 Control (Controller Supplied by Others). Consult factory for requirements(4) |

*Notes: (1) Contact factory for custom lumen outputs, or if a mix of green and white LEDs is required within one fixture. (2) Green LED is on it's own circuit, regardless if one or two circuits is chosen. (3) All test buttons are located on ONE FIXTURE - for easy and quick testing. Be sure to list Emergency Ballast locations on your drawing when you submit it. (4) Lumen output will be limited with an RGBW option. Consult factory for details.*

| OUTPUT | 5L | 7L | 10L | 14L | 20L | 25L |
|---|---|---|---|---|---|---|
| Lumens/Ft* | 500 | 700 | 1000 | 1400 | 2000 | 2500 |
| System Wattage/Ft | 3.125W | 4.375W | 6.25W | 8.75W | 12.0 | 13.9 |
| Efficacy (Lm/W) | 160 | 160 | 160 | 160 | 160 | 160 |
| CRI | >82 | >82 | >82 | >82 | >82 | >82 |
| Dimming | 0-10V | 0-10V | 0-10V | 0-10V | 0-10V | 0-10V |
| Color Consistency | >3 SDCM | >3 SDCM | >3 SDCM | >3 SDCM | >3 SDCM | >3 SDCM |
| Rated Life (L70) | >100,000 hrs | >100,000 hrs | >100,000 hrs | >100,000 hrs | >100,000 hrs | >100,000 hrs |

*Lumen output was calculated with 4000K LEDs.

**Dimensions on Next Page**

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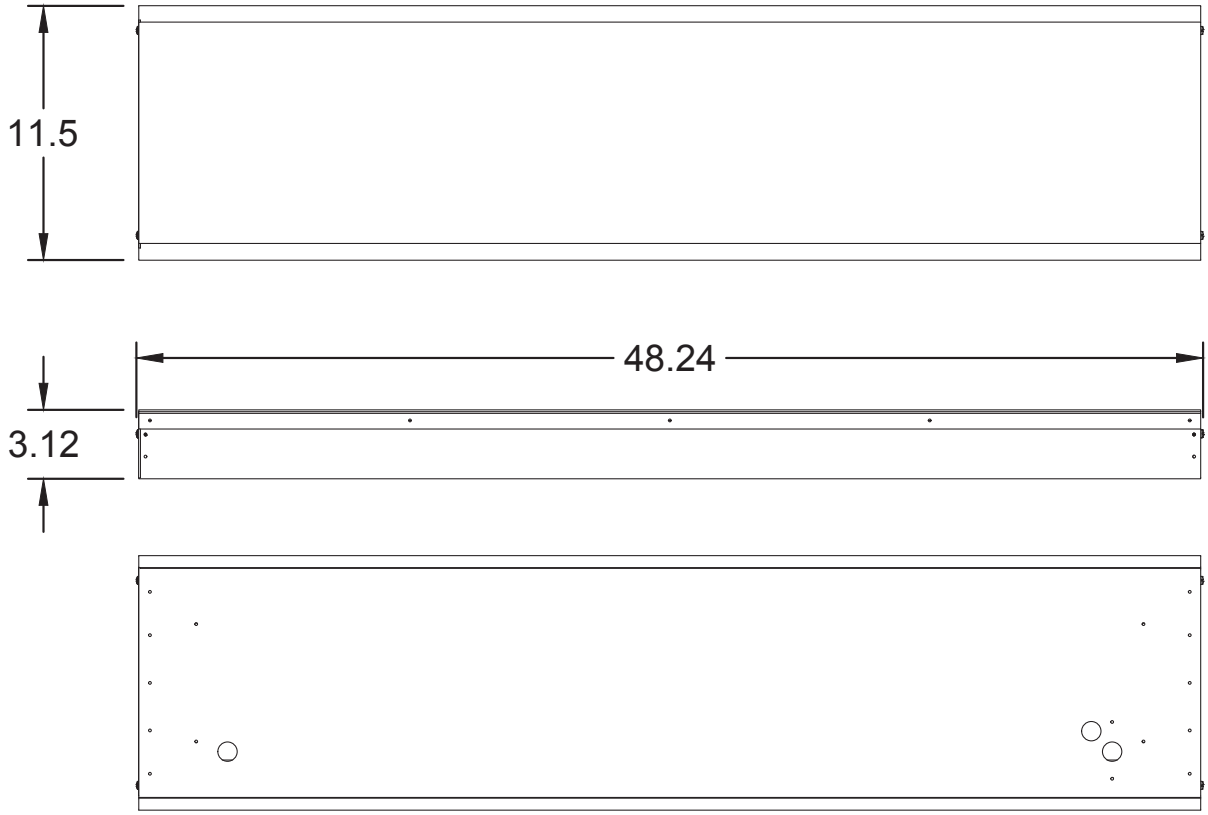
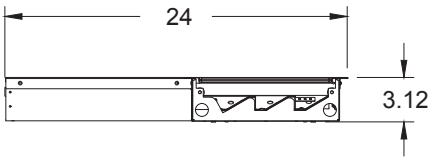
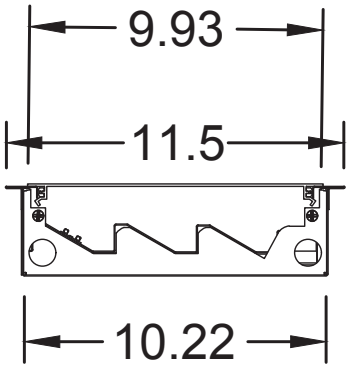
# DIMENSIONS

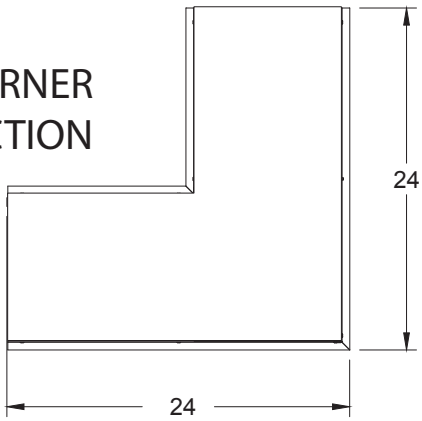



PROFILE VIEW




CORNER SECTION



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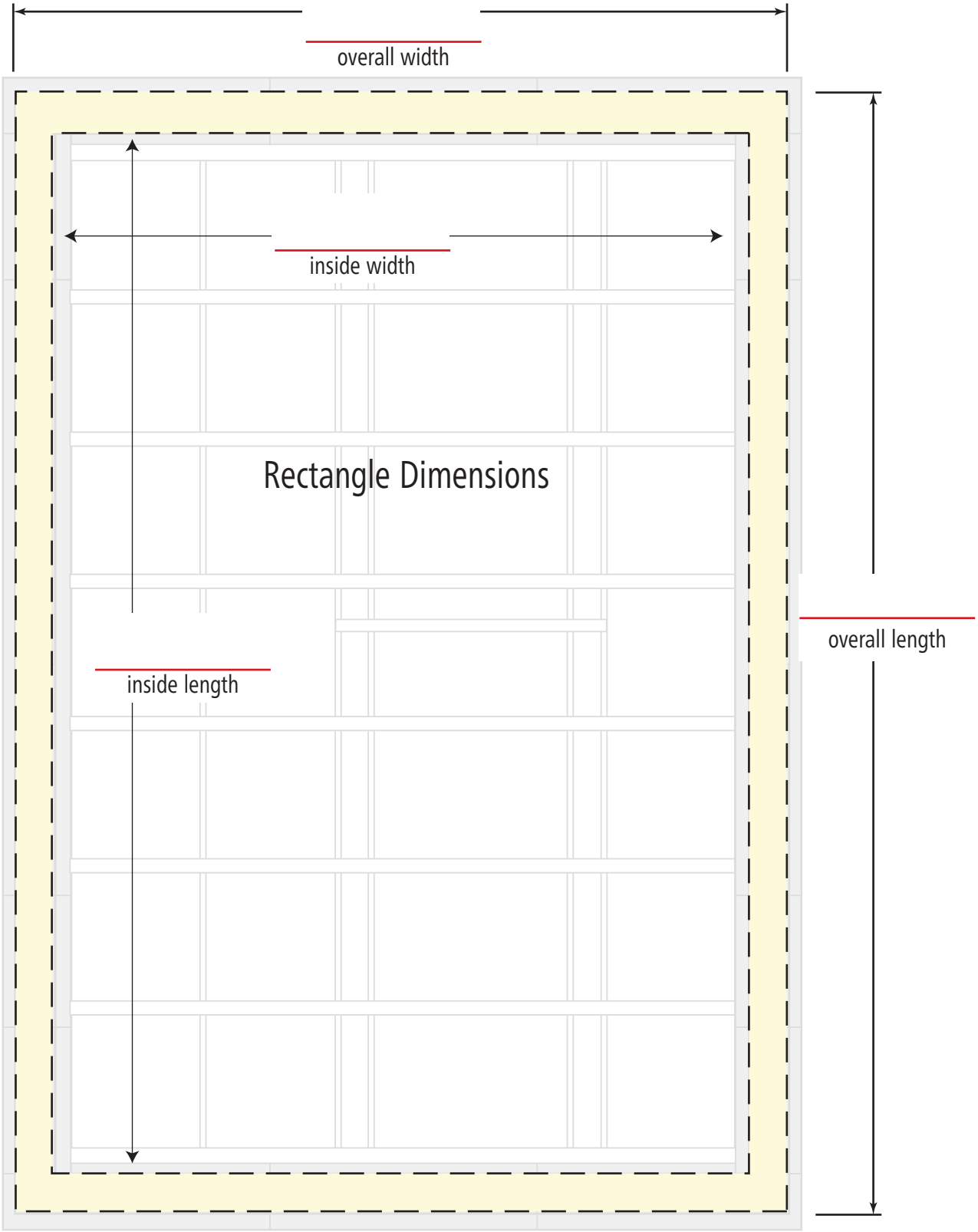
*Be sure to list Emergency Ballast locations on your drawing when you submit it.*




INDICATE YOUR DIMENSIONS FOR EACH DIRECTION.
IF YOU HAVE A CAD / SOLID WORKS FILE, PLEASE CONSULT FACTORY FOR SUBMISSION DETAILS.

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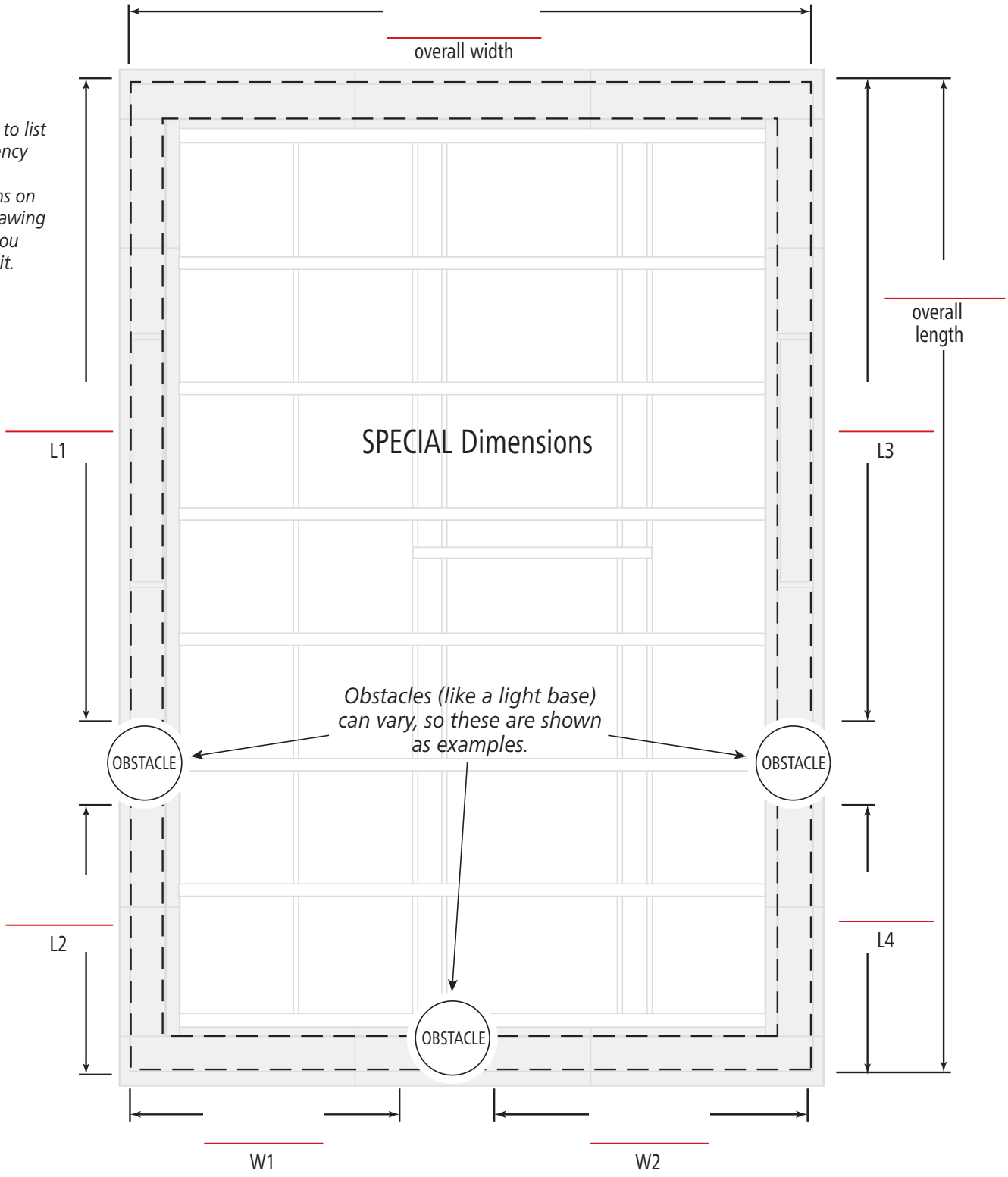


INDICATE DIMENSIONS FOR EACH SECTION OF LIGHTING.
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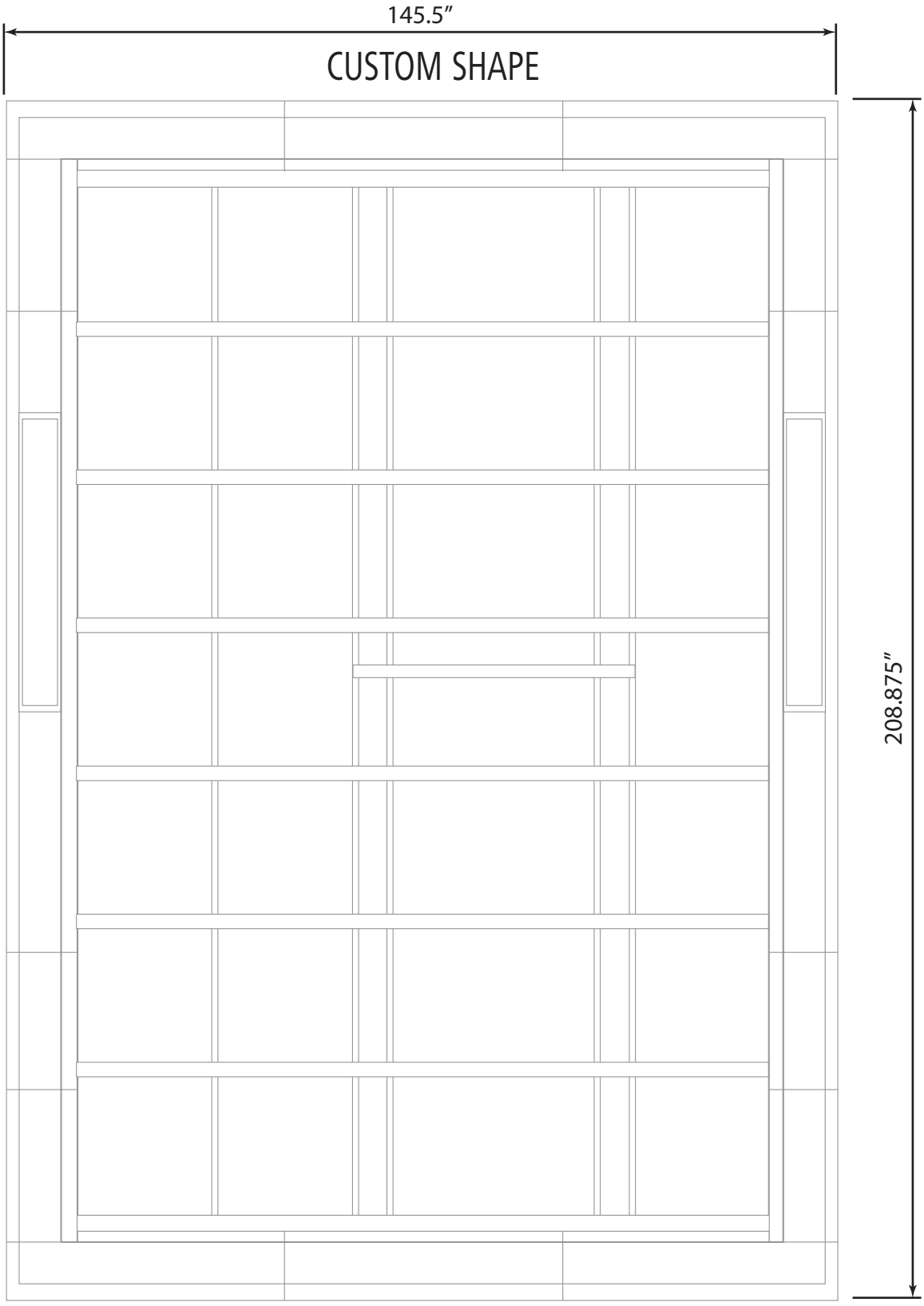


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ADVANTAGE ENVIRONMENTAL LIGHTING

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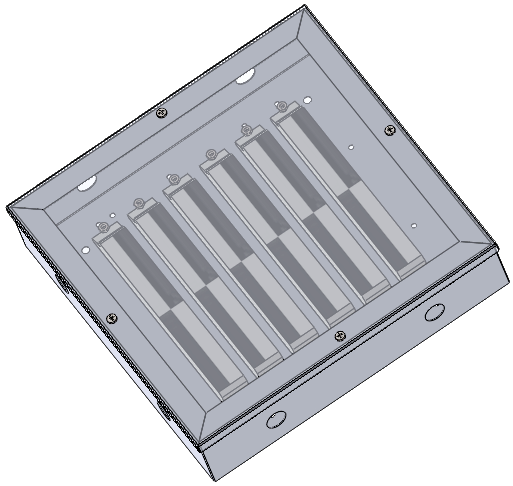
# RPB6 (UP TO 6 DRIVERS)
# RPB9 (UP TO 9 DRIVERS)
# REMOTE POWER BOX



Electronic remote power supply provides power from outside the shielded MRI room, within the remote power supply enclosure.

## MOUNTING INSTRUCTIONS

1. Mount the remote mounted power supply outside the MRI room.
2. Each driver will have an individual quick-connect for ease of wiring.
3. Ensure that all power/dimming wiring is completely shielded in grounded conduit. Use a minimum of 18 AWG low voltage supply wire.
4. Connect wiring to the driver and run to the installed fixtures. Connect hot and neutral wires to the light fixtures quick connects.
5. Installation is complete.

## Ordering Information

| SERIES | | # OF DRIVERS | | OPTIONS | |
|---|---|---|---|---|---|
| RPB6 | Fits up to 6 drivers | D1 | 1 LED 1% Dimming Drivers | AM | Anti-Microbial White Paint |
| RPB9 | Fits up to 9 drivers | D2 | 2 LED 1% Dimming Drivers | | |
| | | D3 | 3 LED 1% Dimming Drivers | | |
| | | D4 | 4 LED 1% Dimming Drivers | | |
| | | D5 | 5 LED 1% Dimming Drivers | | |
| | | D6 | 6 LED 1% Dimming Drivers | | |
| | | D7 | 7 LED 1% Dimming Drivers | | |
| | | D8 | 8 LED 1% Dimming Drivers | | |
| | | D9 | 9 LED 1% Dimming Drivers | | |

**IMPORTANT: EACH FIXTURE REQUIRES IT'S OWN DRIVER**

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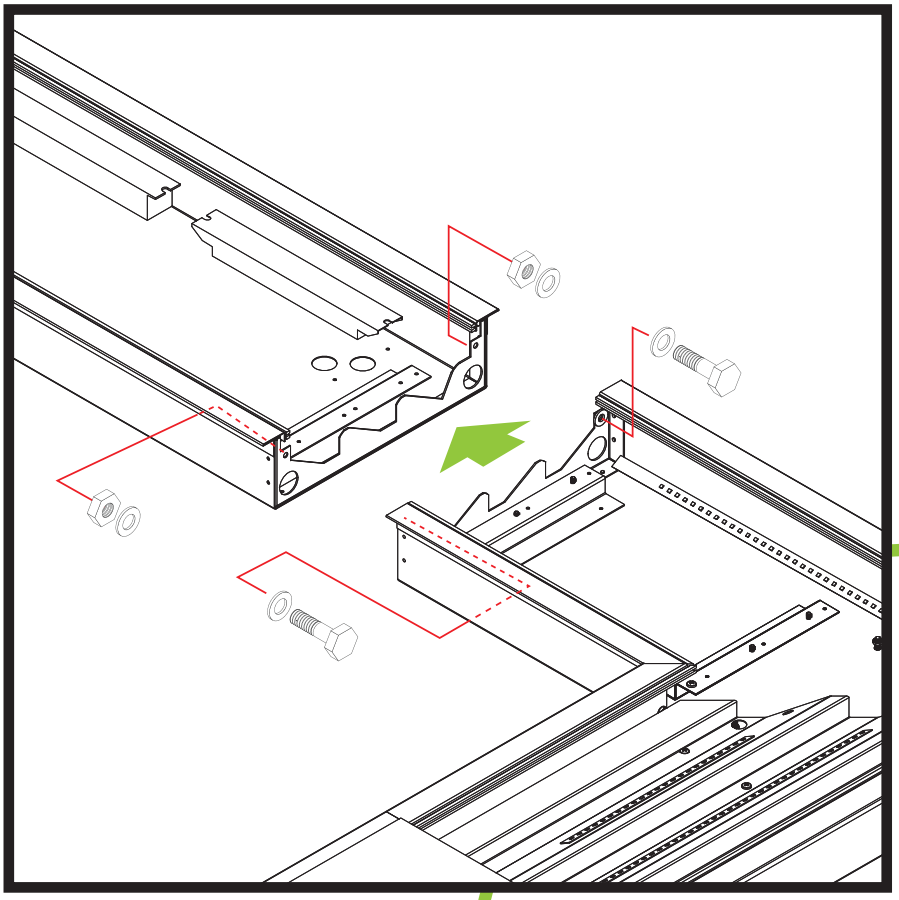
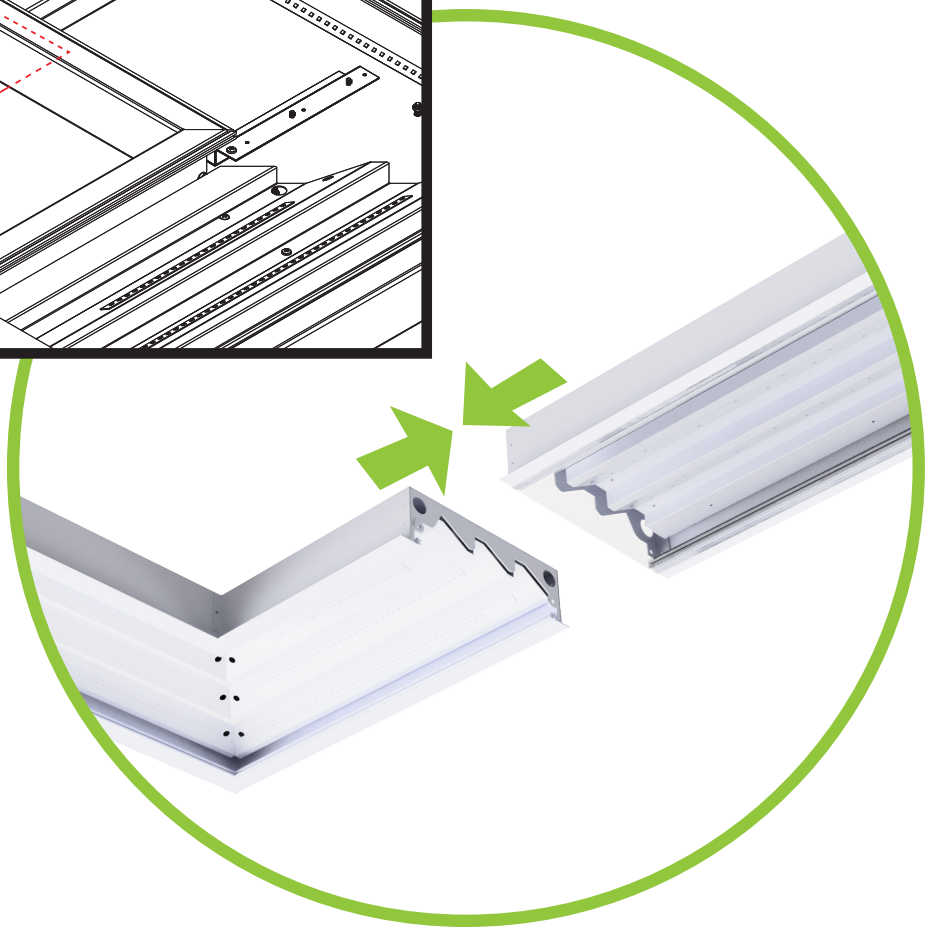
# ATTACHING STRAIGHT AND CORNER SECTIONS



**Attaching sections to make continuous runs is easy and straight-forward. Fasteners for each join are included.**



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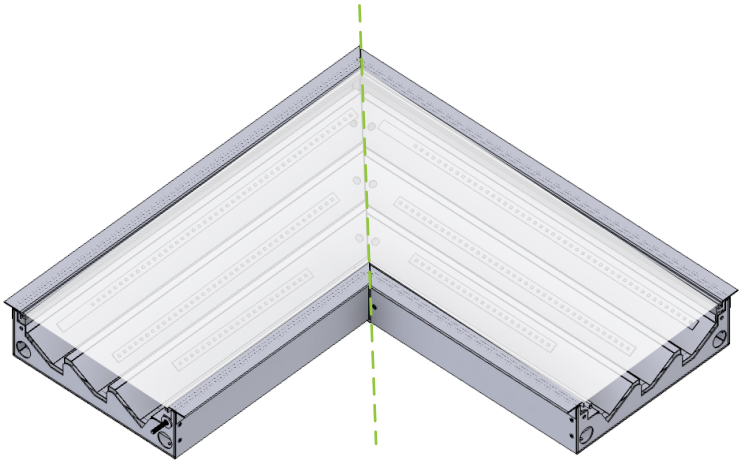
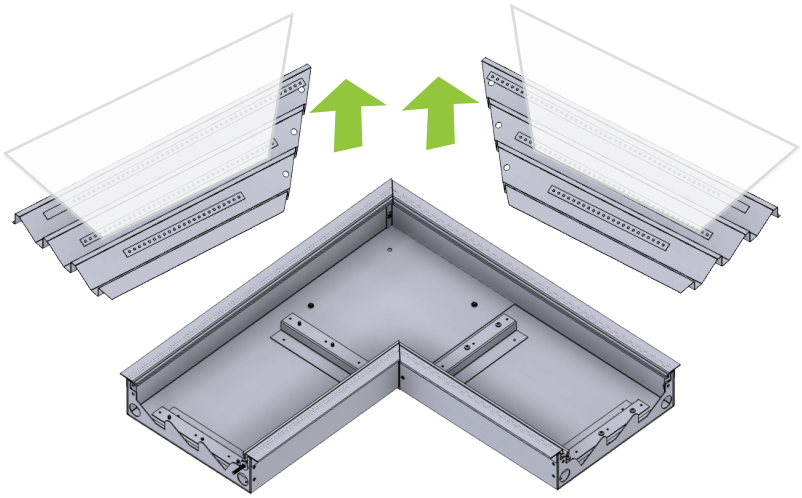
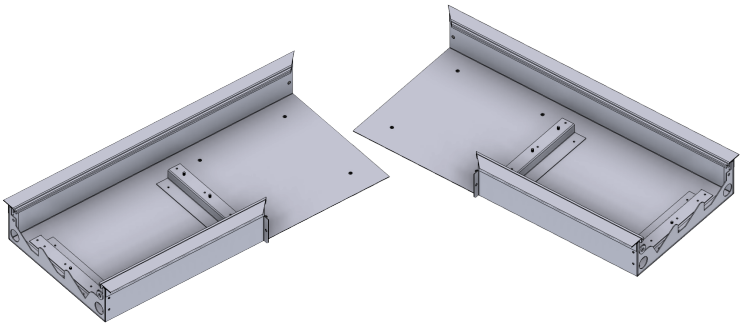
# PROCEDURE USED FOR CREATING CORNERS



Corner sections are made up of two reciprocal straight sections.



To disassemble a corner section, remove lens and reflector first. Remove fasteners from overlapping sections.



To reassemble a corner section, just reverse the order.