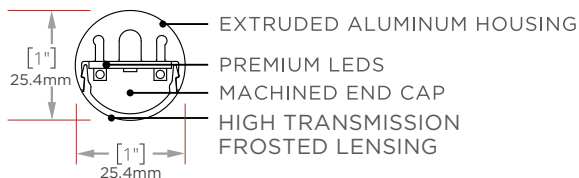


| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|



PERFORMANCE

STATIC WHITE | FLOOD DIRECT

| POWER LEVELS | LIGHT DIRECT LM/4FT | TOTAL LIGHT LM/4FT | ENERGY WATTS/4FT | EFFICACY LPW | CCT/CRI |
|--------------|---------------------|--------------------|------------------|--------------|---------|
| VL | 2199 | 2199 | 16 | 137 | 4000/80 |
| L | 3082 | 3082 | 24 | 128 | 4000/80 |
| S | 4080 | 4080 | 32 | 128 | 4000/80 |
| H | 4909 | 4909 | 40 | 123 | 4000/80 |
| VH | 5922 | 5922 | 48 | 123 | 4000/80 |



FEATURES:

- 1 INCH DIAMETER ROUND PROFILE
- POWERED SUSPENSION SYSTEM - NO SEPARATE POWER CORD DROP
- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION - WITH MECHANICAL LOCKING

CCT MULTIPLIERS STATIC WHITE

| CCT | 2700K | | 3000K | | 3500K | | 4000K | | 5000K | |
|------------|-------|------|-------|------|-------|------|-------|------|-------|------|
| CRI | 80 | 90 | 80 | 90 | 80 | 90 | 80 | 90 | 80 | 90 |
| MULTIPLIER | 0.93 | 0.79 | 0.96 | 0.82 | 0.97 | 0.85 | 1 | 0.89 | 1.01 | 0.89 |

NOTES: REQUIRES REMOTE DRIVERS

NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.

| FIXTURE MODEL | MOUNTING | NOMINAL LENGTH (FT) | CCT/CRI | DIRECT POWER LEVEL ¹ | DIRECT BEAM DISTRIBUTION | INDIRECT POWER LEVEL ¹ | INDIRECT BEAM DISTRIBUTION ¹ | DRIVER |
|----------------|--|---|--|--|--------------------------|--|---|---|
| O0 Oxygen 0 | CSD Cable Suspended Directional CSI Cable Suspended Indirect CSR Cable Suspended Rotational | 2 3 4 <i>CP^{3,4} Custom Pattern</i> CR^{1,2,3} Continuous Run (Specify Length in Nominal Feet) | 827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i> | VL Very low L Low S Standard H High VH Very High | F Flood | VL Very low L Low S Standard H High VH Very High | F Flood | 1D 0-10V EldoLED 1% <i>01D</i> 0-10V EldoLED 0.1% <i>LDE1</i> Lutron Ecosystem 1% <i>LDE5</i> Lutron Ecosystem 5% <i>1DT</i> (TW) ² <i>1DW</i> (WD) ² <i>DALI</i> (INTL) |
| | | 1. Power feed is always first section of a continuous run 2. CR avail only with rotational mounting 3. See final page for CP specifications guide 4. Finish must be powdercoated | | 1. Select only 'Direct' attributes for CSR & CSD mountings | | 1. Select only 'Indirect' attributes for CSI mounting | | 2. 0-10V input - CHOOSE DALI instead for INTL versions |

| HOUSING FINISH | END CAPS FINISH ¹ | DRIVER HOUSING FINISH | CANOPY SIZE | CANOPY FINISH | POWER CORD | CABLE LENGTH | OPTIONS ⁶ |
|--|--|---|--|---|------------|----------------|--|
| SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat <i>CF Custom Finish (Consult Factory)</i> | MF Machined Finish SW Satin White MB Matte Black <i>CF Custom Finish (Consult Factory)</i> | SC Satin Clear <i>SW Satin White</i> MB Matte Black | 44 4" Power feed canopy 4" Non-power feed canopy 44E 4" Power feed canopy 4" Non-power feed canopy - International 40 4" Power feed canopy Canopy only at power feed 40E 4" Power feed canopy Canopy only at power feed - International 41 4" Power feed canopy 1" Non-power feed canopy 41E 4" Power feed canopy 1" Non-power feed canopy - International 2MIC Zero Canopy Mud In 2ACT Zero Canopy 1. Non CE; Requires North American J-box | MF Machine Finish SW Satin White MB Matte Black <i>CF Custom Finish (Consult Factory)</i> | PSS | 4' 4" 8' 8" | EMB7^{1,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12^{1,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW¹ Emergency Circuit Wiring |
| | 1. CSR rotational hardware finish matches end cap finish selection | | | | | | 1. EMB/EMW only linked to first section of continuous run 6. Factory EMB and Sensor (WS*) options not avail for INTL |

GENERAL NOTES:

All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant. REMOTE DRIVER for all options. Please contact the factory with any specification questions.



FIXTURE ORIENTATION

Direct (CSD) for downlight applications
 Indirect (CSI) for up light applications
 Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism

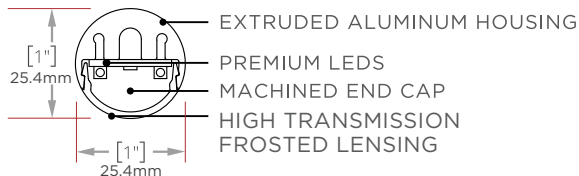
ECOSENSE®

ECOSENSE LIGHTING INC.
 837 NORTH SPRING STREET
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| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

**FEATURES:**

- 1/2" DIAMETER RIGID TUBE MOUNTING SYSTEM
- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.

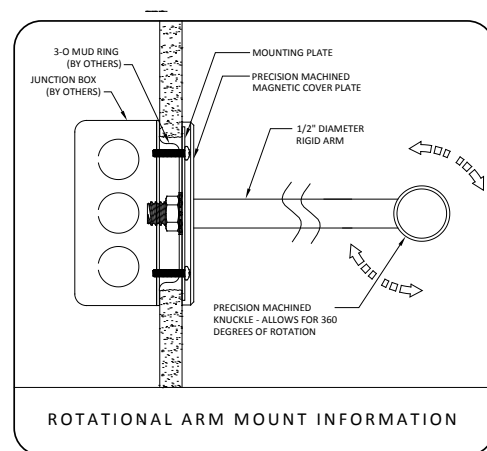
| FIXTURE MODEL | MOUNTING | NOMINAL LENGTH (FT) | CCT/CRI | DIRECT POWER LEVEL | DIRECT BEAM DISTRIBUTION | DRIVER | HOUSING FINISH | END CAPS & RAM HARDWARE FINISH |
|----------------|---|---|--|--|--------------------------|--|--|---|
| O0 Oxygen 0 | RAM Rotational Arm Mount RAME Rotational Arm Mount - International | 1 2 3 4 <i>CR^{1,3} Continuous Run (Specify Length in Nominal Feet)</i> | 827 830 835 840 850 927 930 935 940 950 <i>TW2765 WD1827</i> | VL Very low L Low S Standard H High VH Very High | F Flood | 1D 0-10V EldoLED 1% 01D 0-10V EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDES Lutron Ecosystem 5% 1DT (TW) ² 1DW (WD) ² DALI (INTL) | SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory) | MF Machine Finished SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory) |

1. Power feed is always first section of a continuous run
3. Rotational mounting w/CR will have a power feed for every section

1. EMB/EMW only linked to first section of continuous run
2. 0-10V input - CHOOSE DALI instead for INTL versions

| DRIVER HOUSING FINISH | ARM LENGTH | MOUNTING PLATE | OPTIONS ⁶ |
|--|-------------------|----------------|--|
| SC Satin Clear SW Satin White MB Matte Black | 3 6 9 12 | 4CPF | EMB7 ^{1,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW ¹ Emergency Circuit Wiring |

1. EMB/EMW only linked to first section of continuous run
6. Factory EMB and Sensor (WS*) options not avail for INTL



ROTATIONAL ARM MOUNT INFORMATION

GENERAL NOTES:

All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant.
REMOTE DRIVER for all options.
Please contact the factory with any specification questions.



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| | | | |
|------|---------|------|------|
| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|

DIRECT

STATIC WHITE | FLOOD DIRECT

| POWER LEVELS | LIGHT DIRECT LM/4FT | TOTAL LIGHT LM/4FT | ENERGY WATTS/4FT | EFFICACY LPW | CCT/CRI | CCT MULTIPLIERS, STATIC WH | | |
|--------------|---------------------|--------------------|------------------|--------------|---------|----------------------------|-------|-------|
| | | | | | | CCT | 80CRI | 90CRI |
| VL | 2199 | 2199 | 16 | 137 | 4000/80 | 2700K | 0.93 | 0.79 |
| L | 3082 | 3082 | 24 | 128 | 4000/80 | 3000K | 0.96 | 0.82 |
| S | 4080 | 4080 | 32 | 128 | 4000/80 | 3500K | 0.97 | 0.85 |
| H | 4909 | 4909 | 40 | 123 | 4000/80 | 4000K | 1.00 | 0.89 |
| VH | 5922 | 5922 | 48 | 123 | 4000/80 | 5000K | 1.01 | 0.89 |

DYNAMIC WHITE | FLOOD DIRECT

| POWER LEVELS | LIGHT DIRECT LM/4FT | TOTAL LIGHT LM/4FT | ENERGY WATTS/4FT | EFFICACY LPW | CCT/CRI | CCT MULTIPLIERS, DYNAMIC WH | |
|--------------|---------------------|--------------------|------------------|--------------|---------|-----------------------------|-------|
| | | | | | | CCT | 90CRI |
| VL | 1543 | 1543 | 24 | 64 | 4000/90 | 2700K | 1.09 |
| L | 2163 | 2163 | 32 | 68 | 4000/90 | 3000K | 1.08 |
| S | 2864 | 2864 | 36 | 80 | 4000/90 | 3500K | 1.03 |
| H | 3446 | 3446 | 44 | 78 | 4000/90 | 4000K | 1.00 |
| VH | 4156 | 4156 | 48 | 87 | 4000/90 | 5000K | 0.99 |
| | | | | | | 6500K | 0.98 |

WARM DIM | FLOOD DIRECT

| POWER LEVELS | LIGHT DIRECT LM/4FT | TOTAL LIGHT LM/4FT | ENERGY WATTS/4FT | EFFICACY LPW | CCT/CRI | CCT MULTIPLIERS, WARM DIM | |
|--------------|---------------------|--------------------|------------------|--------------|---------|---------------------------|-------|
| | | | | | | CCT | 90CRI |
| VL | 1620 | 1620 | 24 | 68 | 2700/90 | 1800K | 0.02 |
| L | 2271 | 2271 | 32 | 71 | 2700/90 | 2250K | 0.17 |
| S | 3007 | 3007 | 36 | 84 | 2700/90 | 2700K | 1.00 |
| H | 3618 | 3618 | 44 | 82 | 2700/90 | | |
| VH | 4364 | 4364 | 48 | 91 | 2700/90 | | |

RGBW | FLOOD DIRECT

| POWER LEVELS | CHANNEL (S) | LIGHT DIRECT LM/4FT | TOTAL LIGHT LM/4FT | ENERGY WATTS/4FT | EFFICACY LPW | CCT |
|--------------|-------------|---------------------|--------------------|------------------|--------------|------|
| S | White | 397 | 397 | 10 | 40 | 4000 |
| S | All | 918 | 918 | 20 | 46 | N/A |

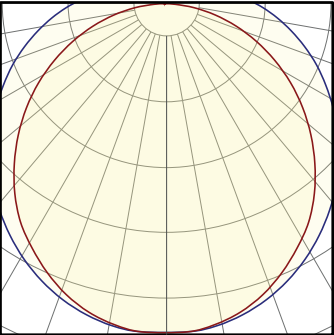
| | | | |
|------|---------|------|------|
| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|

DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

| TYPE | CCT/CRI | ENERGY WATTS/ 4FT | FLOOD LM/4FT | FLOOD LPW |
|---------------|-----------------|-------------------------|-----------------|--------------|
| STATIC WHITE | 4000K/80 | S (32W) | 4080 | 128 |
| DYNAMIC WHITE | 4000K/90 | S (36W) | 2864 | 80 |
| WARM DIM | 2700K/90 | S (36W) | 3007 | 84 |
| RGBW | ALL CHANNELS UP | S (20W) | 918 | 46 |

FLOOD*



MAX CANDELA: 1128
DELIVERED LUMENS: 4080
WATTS: 32
LPW: 128

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

| CCT | 2700K | | 3000K | | 3500K | | 4000K | | 5000K | |
|------------|-------|------|-------|------|-------|------|-------|------|-------|------|
| CRI | 80 | 90 | 80 | 90 | 80 | 90 | 80 | 90 | 80 | 90 |
| MULTIPLIER | 0.93 | 0.79 | 0.96 | 0.82 | 0.97 | 0.85 | 1 | 0.89 | 1.01 | 0.89 |

CCT MULTIPLIERS DYNAMIC WHITE

| CCT | 2700K | 3000K | 3500K | 4000K | 5000K | 6000K |
|------------|-------|-------|-------|-------|-------|-------|
| CRI | 90 | 90 | 90 | 90 | 90 | 90 |
| MULTIPLIER | 1.09 | 1.08 | 1.03 | 1 | 0.99 | 0.98 |

CCT MULTIPLIERS WARM DIM

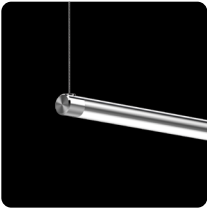
| CCT | 1800K | 2250K | 2700K |
|------------|-------|-------|-------|
| CRI | 90 | 90 | 90 |
| MULTIPLIER | 0.02 | 0.17 | 1 |

POWER LEVEL MULTIPLIERS

| POWER | VL | L | S | H | VH |
|---------------|------|------|---|-----|------|
| STATIC WHITE | 0.53 | 0.75 | 1 | 1.2 | 1.45 |
| DYNAMIC WHITE | 0.53 | 0.75 | 1 | 1.2 | 1.45 |
| WARM DIM | 0.53 | 0.75 | 1 | 1.2 | 1.45 |

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

MOUNTING



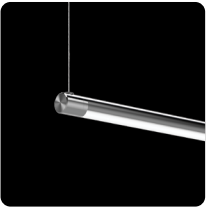
CABLE SUSPENDED DIRECT (CSD)
CABLE SUSPENDED INDIRECT (CSI)

This fixture can be a static down-light: Direct (CSD) or static up-light: Indirect (CSI). Aircraft cables come in 4ft and 8ft lengths and are field adjustable.



ROTATIONAL ARM MOUNT (RAM)

This system uses 5/8" diameter aluminum arms and subtle details in combination with a 360 degree rotational capacity to create some of the most versatile linear fixtures in the architectural market. Standard mounting uses 3/0 mud rings (supplied by others). Engineered with no visible fasteners, smooth rotation, and mechanical locking, the RAM system reveals an impressive aesthetic with exceptional versatility.



CABLE SUSPENDED - ROTATIONAL (CSR)

Using a similar setup to the Cable Suspended system above, the Cable Suspended - Rotational system has 360 degree rotational capacity with mechanical fasteners to lock fixtures in place if desired. This system offers incredible flexibility, light direction control, and a dynamic aesthetic.

CONTINUOUS RUN (CR)

Our 360 degree rotational continuous run option enables individual sections to rotate independently of each other, which offers adjustable asymmetric light distribution capacity along with striking appearances such as alternating up/down fixtures or spiral transitions. The flexibility within the rotational option makes for infinite design and functional possibilities.



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL
(SPIRAL EFFECT)



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

44



4" diameter power feed and 4" diameter non-power feed canopy.

40



4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.

41



4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.

44E, 41E, 40E
(*E) International Canopy



INTL POWERFEED CANOPY
FOR REMOTE DRIVER
FIXTURES (PSS CABLE)

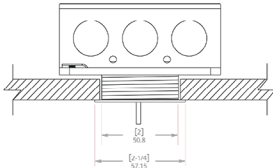
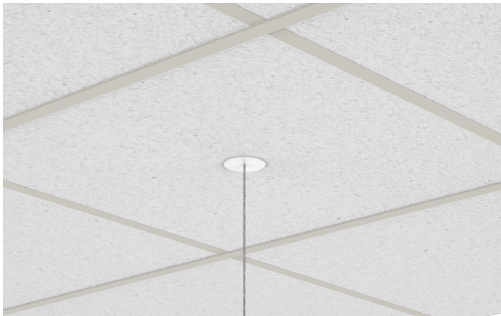
This powerfeed canopy replaces the flat style canopy from the North American mounting style (44, 41, & 40) versions pictured)

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

ZERO CANOPY OPTIONS

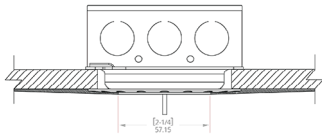
Zero Canopy is Lumium's exclusive suspension mounting method to eliminate all visual distractions on the ceiling plane. When used with non-powered aircraft suspension cable, or with our Powered Suspension System (PSS) and remote driver, Lumium's Zero Canopy option eliminates the need for a thick canopy cover by ingeniously hiding the height-adjustment gripper and electrical connections behind a thin 2-1/4" magnetized access panel. Paint the panel to match the ceiling to create a simple, elegant luminaire suspension system with no visible hardware. Attaches to a standard 4" j-box. Available for hard top mud-in ceilings up to 3/4" thick, as well as suspended ceilings from 1/4" – 1-1/2" thick.

ACT (2ACT)



Lumium's Zero Canopy option for suspended and acoustic ceilings is a clever solution for removing distracting visible mounting hardware from the ceiling plane. The 2ACT ceiling tile version includes a thin 2-1/4" magnetized access panel, which hides any electrical connections and included height-adjustment gripper. A threaded piston adjusts to accommodate various installation applications and ceiling thicknesses, even thin metal substrates. Conceal the access panel by painting-to-match the rest of the ceiling, or add a custom finish for a pop of color. Toolless entry. Attaches to a standard 4" j-box. Specify access panel finish. Accepts standard aircraft cable or PSS powered suspension cable system only. Do not use 2ACT for line voltage power drop locations.








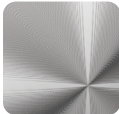


MUD-IN (2MIC)



Lumium's Zero Canopy option for mud-in ceilings is an ingenious method for removing all visible hardware from the ceiling plane. The 2MIC mud-in version includes a built-in 1/2" flange with a flush 2-1/4" magnetized access panel which hides any electrical connections and included height-adjustment gripper. Conceal the access panel by painting-to-match the rest of the ceiling, and eliminates all visual distractions from suspension hardware. Toolless entry. Attaches to a standard 4" j-box. Specify access panel finish. Accepts standard aircraft cable or PSS powered suspension cable system only. Do not use 2MIC for line voltage power drop locations.

COLOR AND FINISH

Standard luminaire housing finishes are Satin Clear anodized, Matte Black powder coat, and Satin White powder coat. Standard hardware (end caps, knuckles, cover plates, etc.) finishes are Machined Finish, Matte Black powder coat, & Satin White powder coat. Custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.

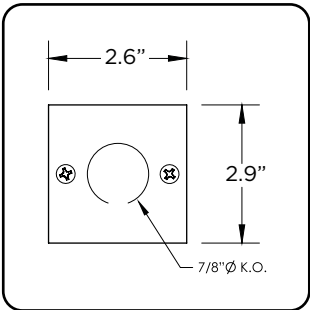
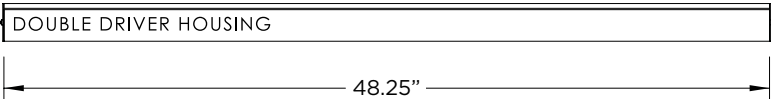
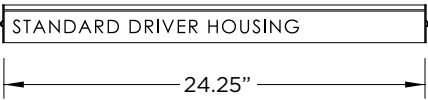
| STANDARD | | | CUSTOM | | | |
|---|---|---|---|---|---|---|
| LUMINAIRE | | | | | | |
|  |  |  |  |  |  |  |
| SATIN CLEAR ANODIZING | MATTE BLACK | SATIN WHITE | BRONZE | COLOR ANODIZE | SPECULAR | RAL COLORS |
| HARDWARE | | | | | | |
|  |  |  | | | | |
| MACHINED COMPONENTS | MATTE BLACK | SATIN WHITE | | | | |

NOTE: Information on this Spec Sheet is subject to change, please visit www.ecosenselighting.com for the most updated information.

| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

REMOTE DRIVERS HOUSING SIZE

The driver housing length is typically dictated by the options selected. Standard driver housing lengths are as shown. Non standard driver requests may increase or decrease the driver housing length. Specifications are subject to change without notice. Consult factory with questions, requests, or size limitations and we will do our best to accommodate your needs.

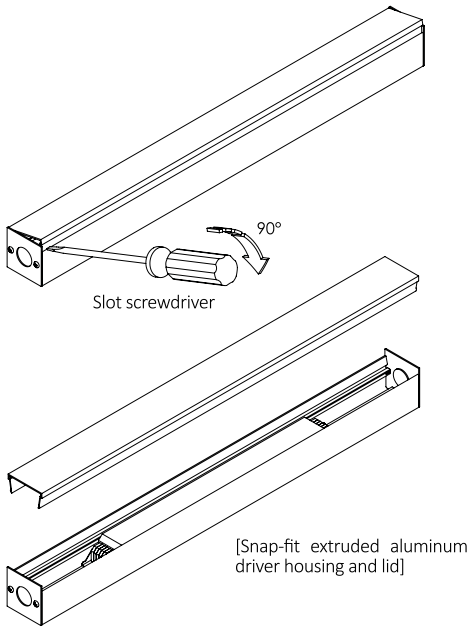


DRIVER HOUSING PROFILE

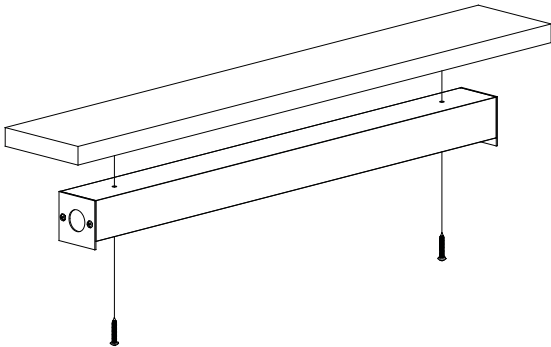
INSTRUCTIONS

See below for lid removal and installation instructions.

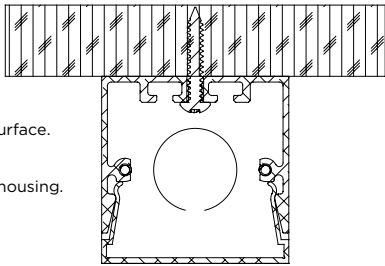
To remove the driver housing lid, use a broad slot screwdriver in the channel as shown here and twist the screwdriver ninety degrees. This may need to be done at both ends of the housing or multiple locations depending on the driver housing length.



- 1) Drill mounting holes in the driver housing as needed to secure to a suitable surface. (If needed, a power feed hole can be drilled into the bottom of the housing for certain mounting/power feed applications).



- 2) Secure the housing to the surface.
(Fasteners by others)
- 3) Complete wire make-up.
Snap extruded lid onto the housing.



| DATE | PROJECT | FIRM | TYPE |
|------|---------|------|------|
|------|---------|------|------|

WELDED CORNERS

- Luminaire housing is custom mitered & welded for a clean corner appearance
- Lens is also mitered for lens-to-lens interfaces that mirror the mitered housing
- Lens is illuminated to the corner (AKA: lit corners)
- Adjustable aircraft cable suspension system
- High quality powder coated finish (anodized finishes not available with welded custom patterns).

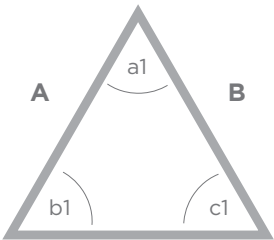
CUSTOMER INSTRUCTIONS

- A. Select "CP" option in the ordering block (found in the NOMINAL LENGTH column)
- B. Submit simple drawing(s) with the following info:
- Provide number of legs of pattern
 - Length of each leg (A, B, C, D, etc)
 - Angles of corners (a1, b1, c1, d1, etc)
1. For '3 dimensional' patterns, please provide side view(s) with desired angles, in addition to a top view.
2. Minimum corner angle is 30 degrees.

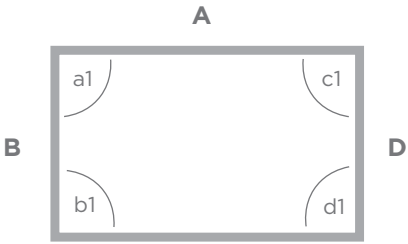


NITROGEN 3 CUSTOM PATTERN PICTURED

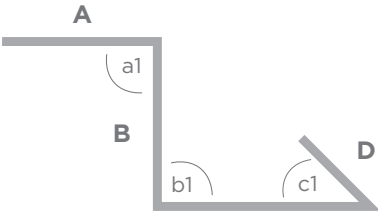
EXAMPLES:



- Customer Specification
1. Qty Legs = 3
 2. A, B, C = 3ft
 3. a1, b1, c1 = 60 deg



- Customer Specification
1. Qty Legs = 4
 2. A & C = 8ft, B & D = 4ft
 3. a1, b1, c1, d1 = 90 deg



- Customer Specification
1. Qty Legs = 4
 2. A = 8ft, B = 6ft, C = 6ft, D = 4ft-3in
 3. a1 & b1 = 90 deg, c1 = 45 deg