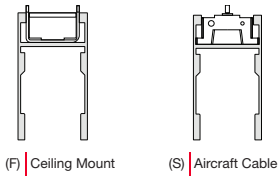


PROJECT INFORMATION

Project Info	Date
<div></div>	<div></div>
Type	Quantity
<div></div>	<div></div>



Need help?  
Don't see what you need?  
We know that having so many options can be overwhelming. Please reach out to our factory for any specific request or questions you have. Our talented Design Assist team is here to make the process move smoothly.

CUSTOM PATTERN ORDERING STEPS

S

START SEGMENT

C

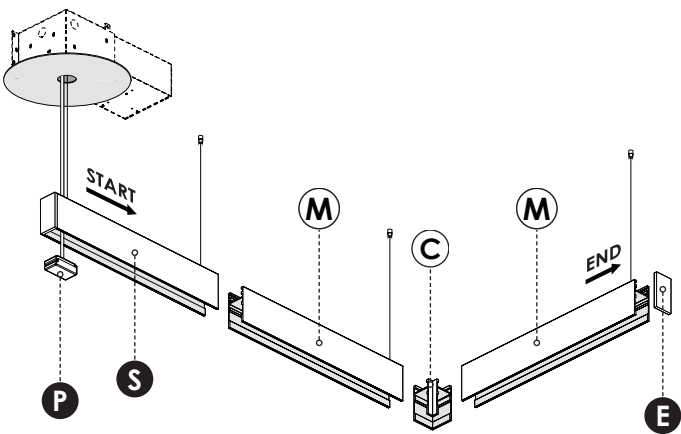
REPEAT AND/OR M

AS NEEDED

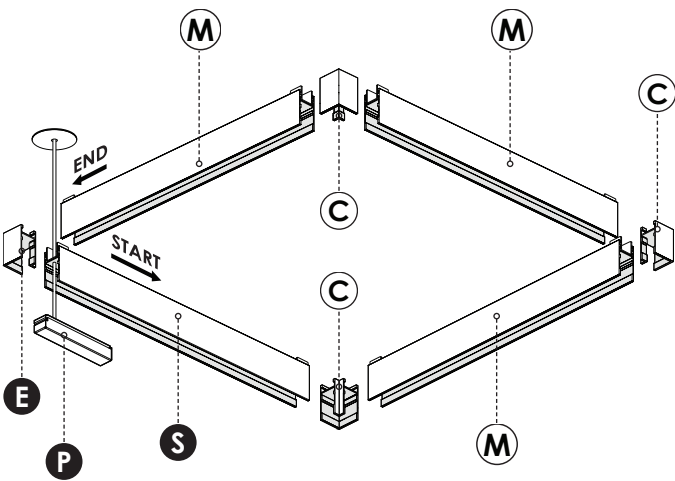
E

END SEGMENT

OPEN PATTERN EXAMPLE:



CLOSED PATTERN EXAMPLE:



OPEN PATTERN ORDER SEQUENCE:

P + S + M + C + M + E

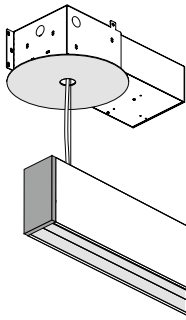
**The open shape pattern**  
An open shape pattern always starts with 'open start segment', followed by a succession of 'mid segments' and/or corners and finishes with an end cap.

CLOSED PATTERN ORDER SEQUENCE:

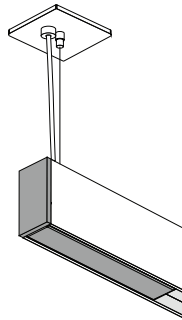
P + S + C + M + C + M + C + M + E

**The closed shape pattern**  
A closed shape pattern always starts with a 'closed start segment', followed by a succession of 'mid segments' and/or corners and finishes with a segment to match the 'closed start segment'.

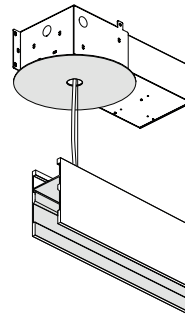
## S START SEGMENT



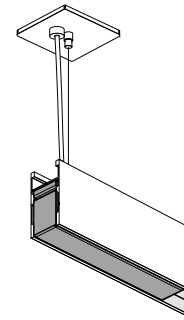
Recessed J-box  
open start segment



Profile Integrated J-box  
open start segment



Recessed J-box  
closed start segment



Integrated J-box  
closed start segment

ALG3S				
SERIES	POWER SOURCE	START SEGMENT	LENGTH	VOLTAGE
ALG3S	<b>RJ</b> Recessed J-box with cover plate <b>IJ</b> Profile Integrated J-box	<b>OR</b> Open configuration start segment  <b>CR</b> Closed configuration start segment	<b>2</b> Nominal 2' <b>4</b> Nominal 4' <b>6</b> Nominal 6' <b>8</b> Nominal 8' <b>M</b> Exact Length*	<b>U</b> Universal 120V-277V
*Specify in inches to then nearest 1/8 (i.e. M180.125)				

MOUNTING	FINISH	DIRECT DIMMING
<b>S</b> Aircraft cable* <b>F</b> Surface mount	<b>B</b> Black <b>W</b> White	<b>D</b> 0-10V <b>D4</b> Wireless Casambi <b>NA</b> nLight air <b>NW</b> nLight wired
<small>*Standard 48" field adjustable cable, specify length to nearest inch if over 48".</small>		

\* Inside of system is always black

Refer to the previous page to understand the order sequence differences between an open and closed pattern.

'Corner segments' must be separated by at least one 'mid segment'.

Standard 120-277V 100W (DC)

Recessed J-box: ø9.3" flat plate with recessed driver box. Standard is white.

Recessed j-boxes are suitable for many kinds of ceiling and leave more space for accessories in the system.

Profile integrated J-box is 8" long and occurs at every power drop. Standard is black.

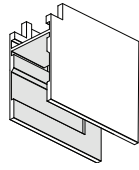
The Profile Integrated J-box makes it easier to install in the field and requires minimal intervention on the installation environment.

MAGNETIC SYSTEM	LIGHT SOURCES DC LOAD									
ALG3	PACE (22°-55°)		PACE HE TECH		ALTA 45		ALTA 55		STRIDE (SQ-RN)	
	LH 17.0W	LS 10.0W	LH 13.0W	LS 7.0W	LH 13.5W	LS 6.5W	LH 18.5W	LS 10.5 W	LH 11W/FT	
MAXIMUM DC LOAD 100W (PER DRIVER)										

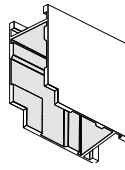
Here is how you determine if and when you need an extra power source :

If The total DC load (W) of installed light sources exceeds 100W, an additional power source must be added in a M 'mid segment'.

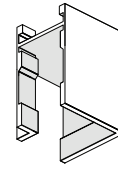
## C CORNER



Vertical outside corner



Vertical inside corner

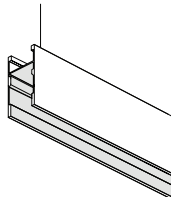


Horizontal flat corner

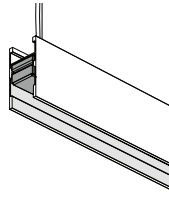
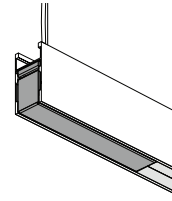
ALG3C			
SERIES	CORNER	MOUNTING	FINISH
ALG3C	<b>OC</b> Vertical outside corner * <b>IC</b> Vertical inside corner * <b>FCR</b> Horizontal flat corner right <b>FCL</b> Horizontal flat corner left <small>* Only available with surface mounted fixtures  **Electrical connector provided with corner</small>	<b>S</b> Aircraft cable <b>F</b> Surface mount	<b>B</b> Black <b>W</b> White <small>* Inside of system is always black</small>

C 'corner segments' must be separated by at least one M 'mid segment'.

## M MID SEGMENT

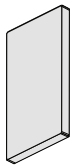


No power mid segment

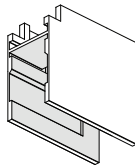
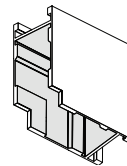
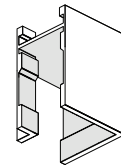
Powered recessed  
J-box mid segmentPowered Profile Integrated  
J-box mid segment

ALG3M						
SERIES	POWER SOURCE	LENGTH	VOLTAGE	MOUNTING	FINISH	DIRECT DIMMING
ALG3M	<b>N</b> No power <b>RJ</b> Powered Recessed J-box with cover plate <b>IJ</b> Powered Profile Integrated J-box	<b>2</b> Nominal 2' <b>4</b> Nominal 4' <b>6</b> Nominal 6' <b>8</b> Nominal 8' <b>M_</b> Exact Length* <small>*Specify in inches to then nearest 1/8 (i.e. M180,125)</small>	<b>U</b> Universal 120V-277V	<b>S</b> Aircraft cable <b>F</b> Surface mount	<b>B</b> Black <b>W</b> White <small>* Inside of system is always black</small>	<b>D</b> 0-10V <b>D4</b> Wireless Casambi <b>NA</b> nLight air <b>NW</b> nLight wired

## E END SEGMENT



End cap

Vertical outside  
end cornerVertical inside  
end cornerHorizontal flat  
end corner

ALG3E			
SERIES	JOINER / SWIVEL	MOUNTING	FINISH
ALG3E	<b>C</b> End cap <b>OC</b> Vertical outside end corner <b>IC</b> Vertical inside end corner <b>FCR</b> Horizontal flat end corner right <b>FCL</b> Horizontal flat end corner left	<b>S</b> Aircraft cable <b>F</b> Surface mount	<b>B</b> Black <b>W</b> White <small>* Inside of system is always black</small>

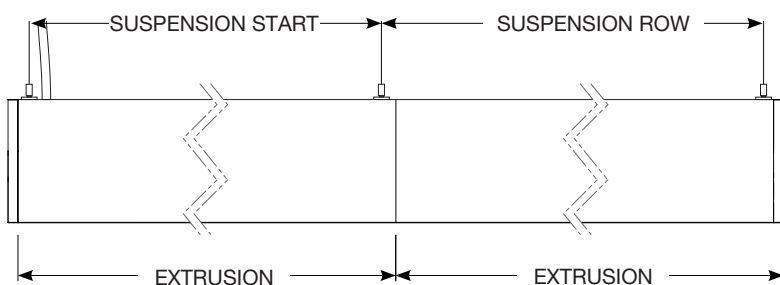
To finish a closed pattern, use the appropriate J corner or M 'mid segment'. To finish an open pattern, use the end cap.

Refer to page 9 to understand the order sequence differences between an open and closed pattern.

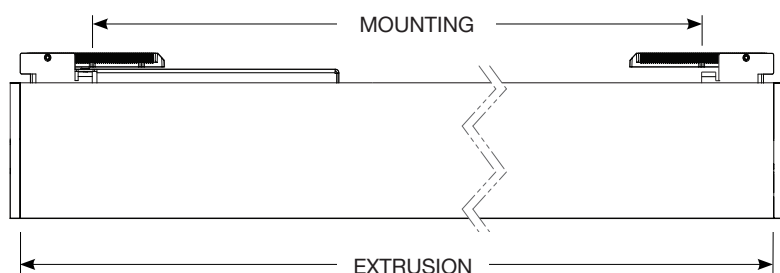
## STANDARD ELEMENTS

Standard elements is a simplified product line comprised of 2', 4', 6' and 8' nominal length fixtures that can be joined to create continuous rows or patterns using other segments or corners.

### NOMINAL LENGTH AIRCRAFT CABLE



### NOMINAL LENGTH SURFACE MOUNT



DIMENSIONS			
		AIRCRAFT CABLE	SURFACE MOUNT
NOMINAL 2'	SUSPENSION START	23.42"	22.65"
	SUSPENSION ROW	24.00"	23.25"
	EXTRUSION	24.00"	24.00"
NOMINAL 4'	SUSPENSION START	47.40"	46.65"
	SUSPENSION ROW	48.00"	47.25"
	EXTRUSION	48.00"	48.00"
NOMINAL 6'	SUSPENSION START	71.40"	70.65"
	SUSPENSION ROW	72.00"	71.25"
	EXTRUSION	72.00"	72.00"
NOMINAL 8'	SUSPENSION START	95.40"	94.65"
	SUSPENSION ROW	96.00"	95.25"
	EXTRUSION	96.00"	96.00"

For more information on mounting lengths, go to the surface and/or aircraft mounting length segment.

### MAXIMUM MODULE QTY. PER POWER DROP

Maximum quantity of module per power drop are calculated by dividing the maximum DC load (100W) by the DC power consumption per module. For example, a maximum of 7 "ALIGN ALTA 45" at high output can be powered by a single power feed:  $100W \div 13.23W = \approx 7$  units. A variety of different modules are available and combining several modules is possible and recommended.

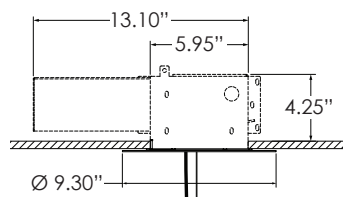


Need several power drops for more modules or rows?  
Have questions?  
We know that having so many options can be overwhelming. Please reach out to our factory for any specific requests or questions you have. Our talented Design Assist team is here to help.

OUTPUT	MODULE	DC POWER	MAX QTY.
LH HIGH OUTPUT	PACE (22°-55°)	17.0 W	5
	PACE HE TECH	13.0 W	7
	ALTA 45	13.5 W	7
	ALTA 55	18.5 W	5
	STRIDE (RS - SQ)	11.0 W/ft	9 ft
LS STANDARD OUTPUT	PACE (22°-55°)	10.0 W	10
	PACE HE TECH	7.00 W	14
	ALTA 45	6.5 W	15
	ALTA 55	10.5 W	9
	STRIDE (RS - SQ)	-	-

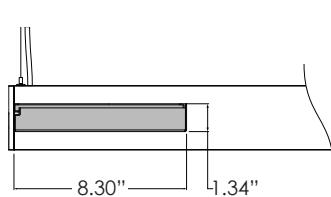
### COMPONENT DIMENSIONS

#### RECESSED J-BOX

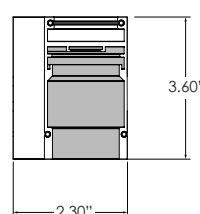


Recessed j-box depth: 5.95"

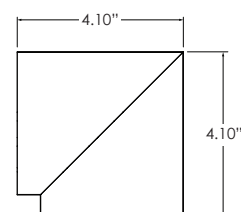
#### INTEGRATED J-BOX



#### FLAT CORNER



#### UP/DOWN CORNER

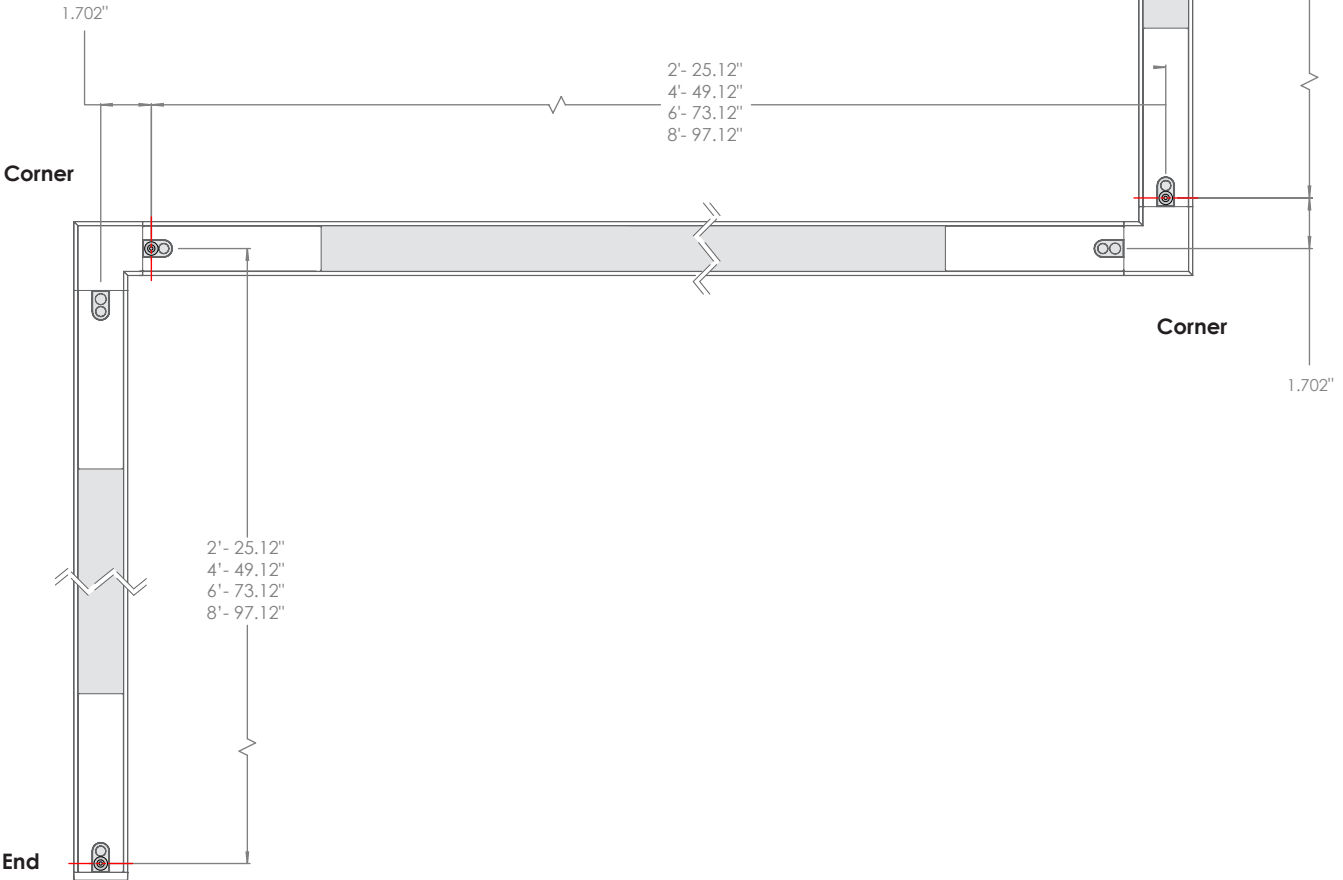
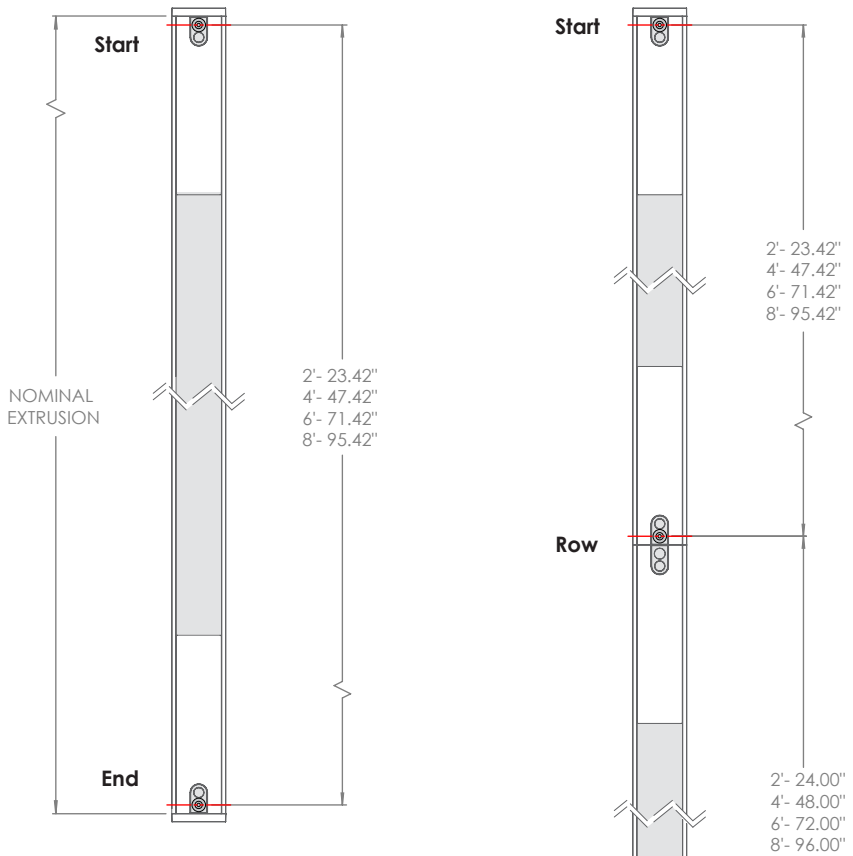


NOMINAL EXTRUSION DIMENSIONS	
	SUSPENDED
NOMINAL 2'	24.00"
NOMINAL 4'	48.00"
NOMINAL 6'	72.00"
NOMINAL 8'	96.00"

Dimensions are always calculated from the center of the aircraft cable

Refer to aircraft cable installation sheet to properly install your mounting point

Refer to shop drawings for exact segment dimensions

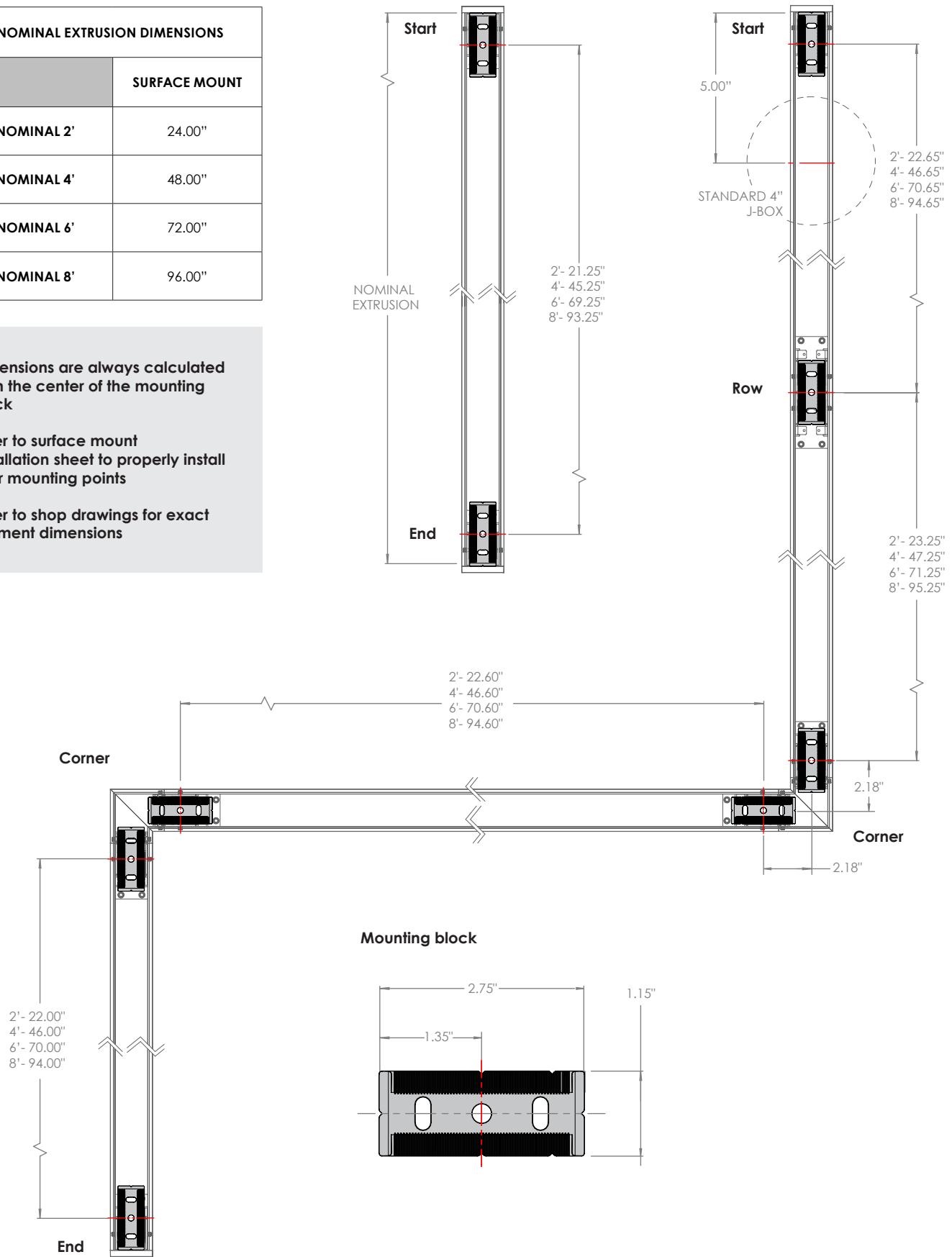


NOMINAL EXTRUSION DIMENSIONS	
	SURFACE MOUNT
NOMINAL 2'	24.00"
NOMINAL 4'	48.00"
NOMINAL 6'	72.00"
NOMINAL 8'	96.00"

Dimensions are always calculated from the center of the mounting block

Refer to surface mount installation sheet to properly install your mounting points

Refer to shop drawings for exact segment dimensions



## LINEAR DIMENSIONS

**Align 2** - Nominal length available as individual fixtures or joined to create continuous row length, minimum fixture length is 12 inches.

**Align 3** - Nominal length to the nearest inch available as individual fixtures or joined to create continuous row length, minimum fixture length is 12 inches.

**Align 5** - Nominal length to the nearest inch available as individual fixtures or joined to create continuous row length, minimum fixture length is 12 inches.

**Alta** - Linear length of module is 6.50"

**Pace** - All pace modules are 12.40" long.

**Stride** - Stride is offered in 1', 2', 3' and 4' nominal length. Consult the factory for custom solutions.

## OPTICS

**Alta** - Both Alta projectors offer 1 narrow and 1 wide beam angle.

**Pace** - Precise 0.5" baffled optics offer precise regressed lighting with a 22°,55° beam angle and A-light's proprietary HE Tech™ for a softer lambertian illumination.

**Stride** - Beautifully evenly diffused lens offered in 2 shapes, rounded and square, that can be dropped by half an inch on site without any tools.

**Indirect** - Diffuse dust cover for a wide lambertian distribution.

## LED LIGHT SOURCE

All LEDs in this system are Nichia® LED combined with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, and High outputs. Refer to photometry for delivered lumens.

## LED DRIVER

Standard 48V constant voltage universal 120-277V electronic driver provide power to DC to DC drivers that control the individual light sources Max Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 70°C, maximum case temperature of 90°C. Electrical specifications at maximum driver load: PF >0.90, THD <2.0%, 92% Efficiency.

## DIMMING CONTROLS

**0-10V** - The DC to DC drivers in each direct modules and indirect segment provide standard 0-10V dimming. Each Direct module can be individually tuned to set max output using graded potentiometer on top of fixtures.

**Wireless Casambi** - Each module and indirect segment can be ordered Casambi ready. Any bluetooth enabled iOS or Android smartphone with the free Casambi app can control the dimming of one or multiple light sources wirelessly.

**nLight® AIR** - A simplified wireless lighting control solution that give users the ability to regulate devices on any handheld device. Using the CLARITY APP, you can pair and group devices as well as customize sensor settings.

**nLight® WIRED** - A collection of lighting control solutions that function wired together to adapt to a space's lighting. With a collection of sensors and switches it is possible to adapt fixtures to any environment

## EMERGENCY

This luminaire is provided with a LED emergency lighting battery pack for both normal and emergency operation, 120-277v only. This emergency pack contains long-life Ni-Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button to be remote located within 3 feet of the luminaire, by others in accordance with local code. Emergency mode provides constant power to a nominal 10W LED load for a period of 90 minutes. Please consult the factory for emergency configuration assistance. Our talented Design Assist team is always available for collaboration and specification support. Only segments with integral drivers can be emergency wired.

## MOUNTING

**For T-bar** - rest lower fixture flange on top side of t-bar ceiling system and secure to structure with tie wires.

**Gyp** - lower fixture flange is attached to gyp ceiling and blocking (by others), then mudded over and/or painted by installing contractor.

**Pendant** - Suspension with aircraft cables. Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length, comes factory installed in fixture. 4-1/2" x 4-1/2" square white canopies. Cord strain also included.

**Surface** - Die-cast mounting blocks are used to provide a firm and flexible mounting option in any orientation the system might be installed in.

## STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Flat or flanged aluminum end caps. Aluminum joiner brackets. 4 lbs/ft approximate fixture weight.

## FINISH

Electrostatically applied powder coat finish. Standard finish options include white and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

## LISTING

UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

## WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for a period of one (1) year. LED products (LED boards and drivers) will be covered for a period of five (5) years. Please refer to full terms and conditions on our website.