

PROJECT INFORMATION

Project Info	Date
<input type="text"/>	<input type="text"/>
Type	Quantity
<input type="text"/>	<input type="text"/>



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.

LIGHT LOSS FACTORS PERFORMANCE AT 4000K

CRI	CCT	FACTOR
80+	4000K	Baseline
80+	3500K	99%
80+	3000K	95%
90+	4000K	83%
90+	3500K	83%
90+	3000K	84%

OUTPUT	OPTIC	DELIVERED LM	DC LOAD/FT	EFFICACY
LH (high)	22°	824 lm/ft	10 W/ft	82 lm/W
	55°	702 lm/ft	10 W/ft	70 lm/W
	HE	730 lm/ft	10 W/ft	73 lm/W
	DL	920 lm/ft	10 W/ft	92 lm/W

OUTPUT	OPTIC	DELIVERED LM	DC LOAD/FT	EFFICACY
LS (standard)	22°	428 lm/ft	5 W/ft	86 lm/W
	55°	365 lm/ft	5 W/ft	73 lm/W
	HE	379 lm/ft	5 W/ft	76 lm/W
	DL	478 lm/ft	5 W/ft	96 lm/W

CUSTOM PATTERN ORDERING STEPS

S
STARTER
FEED

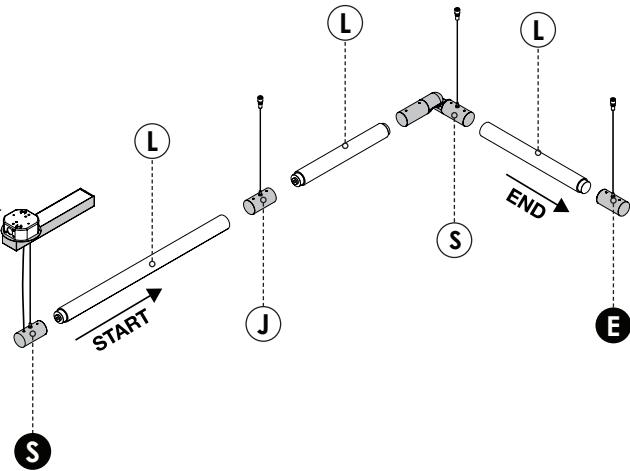
L
LINEAR
SEGMENT

J OR **S**
JOINER /
SWIVEL

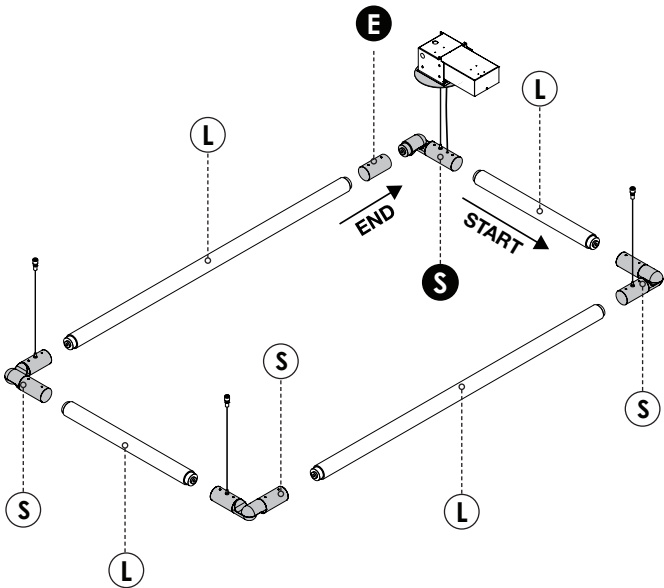
REPEAT
L AND **J** OR **S**
AS NEEDED

E
END
SEGMENT

OPEN PATTERN EXAMPLE:



CLOSED PATTERN EXAMPLE:



OPEN PATTERN ORDER SEQUENCE:

S + **L** + **J** + **L** + **S** + **L** + **E**

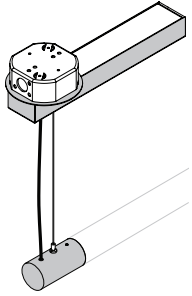
CLOSED PATTERN ORDER SEQUENCE:

S + **L** + **S** + **L** + **S** + **L** + **S** + **L** + **E**

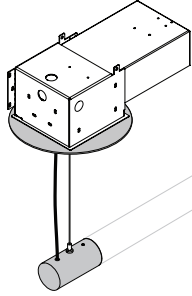
The open shape pattern
An open shape pattern always consists of a [S] starter feed straight, continued by a succession of [L] linear segments and [J] joiners or [S] swivels, and finishes with an [E] end segment.

The closed shape pattern
A closed shape pattern always starts with a [S] starter feed swivel, continued by a succession of [L] linear segments and [S] joiners/swivels to finish with an [E] end joiner matching the starter feed swivel.

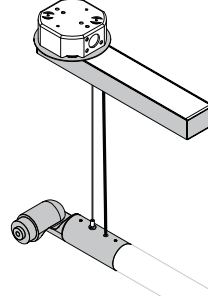
S STARTER FEED



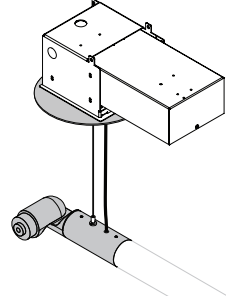
Starter feed straight
surface canopy



Starter feed straight
recessed box



Starter feed swivel
surface canopy



Starter feed swivel
recessed box

ALO			
SERIES	STARTER FEED	MOUNTING	FINISH
ALO	SC Starter feed straight, surface canopy	S Aircraft cable 36"*	T a•lightanium™*
	RC Starter feed straight, recessed box	_ Aircraft cable custom length**	W White*
	SWSC Starter feed swivel, surface canopy		B Black*
	SWRC Starter feed swivel, recessed box		O_ Other**
		*Maximum on-site adjustability of 12" (24"-36") **Specify the length of aircraft cable to the nearest inch.	*Applies to fixture, Standard canopy and cover are white **Specify RAL#

Standard 120-277V 100W (DC) driver with 0-10V dimming.

Standard suspension 36" field adjustable aircraft cable. Maximum on-site adjustment is 12" (24"-36"). Specify length to the nearest inch if 36" is not suitable. Black power cord provided for black and a•lightanium finishes. White power cord provided for all other fixture finishes unless otherwise specified. Canopy and cover plates standard white.

Surface-mounted canopy: 12.5" x 1.40" x 2.2".

Recessed box: 13"x 6" x 4" with ø9.3" flat cover plate.

L LINEAR SEGMENTS



Baffled optic
22 degrees



Baffled optic
55 degrees



HE Tech™



Diffuse Lens



No light

Maximum run lengths are calculated by dividing the maximum DC load (100W) by the DC power consumption per foot of each linear segment.

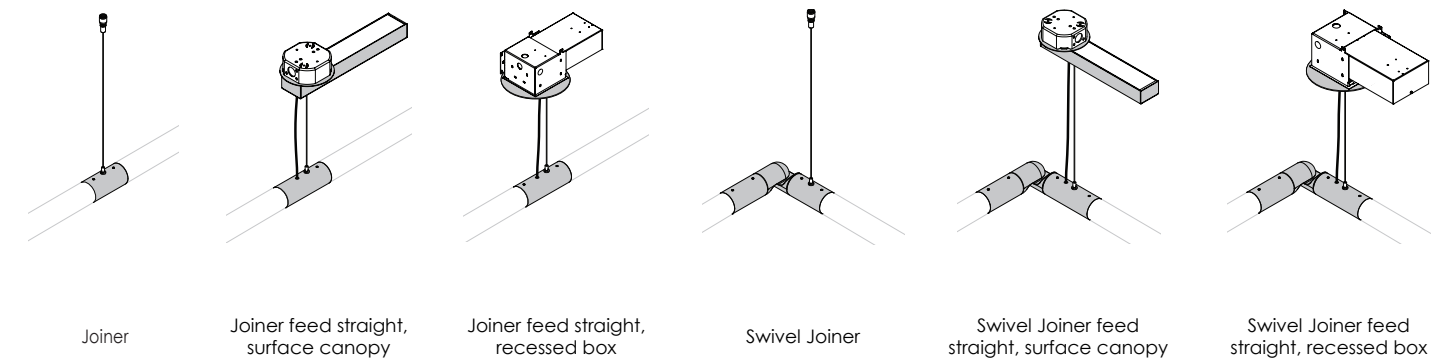
For example, a maximum of 10 linear feet of the diffuse lens segment at high output can be powered by a single driver: 100W÷10W/ft=10ft.

Combining several linear segments is possible and recommended.

ALO						
SERIES	LENGTH		OUTPUT		LED CCT	VOLTAGE
ALO	2	Nominal 2'	LH	LED high output*	30 3000K	U 120V-277V
	4	Nominal 4'	LS	LED standard output**	35 3500K	
	6	Nominal 6'			40 4000K	
				*Max 10ft per driver **Max 20ft per driver		

OPTICS		FINISH	DIMMING	EMERGENCY	OPTIONS
22	Baffled optic 22°	T a•lightanium™	D 0-10 dimming*	E_ Emergency - battery*	CRI 90+
55	Baffled optic 55°	W White			
HE	HE Tech™	B Black			
DL	Diffuse lens	O_ Other*			
N	No light	*Specify RAL#	*Minimum dimming 1%	*Factory-installed emergency battery pack. Specify desired quantity of batteries. Not available for 347V. See technical data for more information.	

J S JOINER / SWIVEL



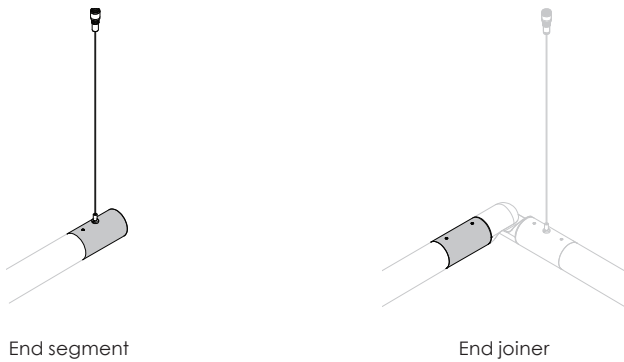
ALO				
SERIES	JOINER / SWIVEL		MOUNTING	FINISH
ALO	J	Straight joiner	S Aircraft cable 36"*	T a•lightanium™
	JS	Joiner feed straight, surface canopy	– Aircraft cable custom length**	W White
	JR	Joiner feed straight, recessed box	N No mounting***	B Black
	SW	Swivel Joiner		O_ Other*
	JWSC	Swivel Joiner feed straight, surface canopy		
	JWRC	Swivel Joiner feed straight, recessed box		
			*Maximum on-site adjustability of 12" (24"-36") **Specify the length of aircraft cable to the nearest inch. ***For vertical closed patterns that do not require mounting points	*Specify RAL#

Standard 120-277V 100W (DC) driver with 0-10V dimming.

Standard suspension 36" field adjustable aircraft cable. Maximum on-site adjustment is 12" (24"-36"). Specify length to the nearest inch if 36" is not suitable. Black power cord provided for black and a•lightanium finishes. White power cord provided for all other fixture finishes unless otherwise specified. Canopy and cover plates standard white.

Surface-mounted canopy: 12.5" x 1.40" x 2.2".
Recessed box: 13"x 6" x 4" with ø9.3" flat cover plate.

E END SEGMENT



ALO				
SERIES	END CAP		MOUNTING	FINISH
ALO	EC	End segment	S Aircraft cable 36"*	T a•lightanium™
	EJ	End joiner**	– Aircraft cable custom length**	W White
			*Maximum on-site adjustability of 12" (24"-36") **Specify the length of aircraft cable to the nearest inch.	B Black
				O_ Other*
				*Specify RAL#

The end segment is used to complete linear runs.

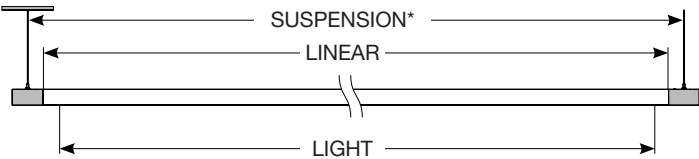
The end joiner is used to complete a closed pattern beginning with a starter feed swivel.

Standard suspension 36" field adjustable aircraft cable. Maximum on-site adjustment is 12" (24"-36"). Specify length to the nearest inch if 36" is not suitable.

ELEMENTS & DIMENSIONS

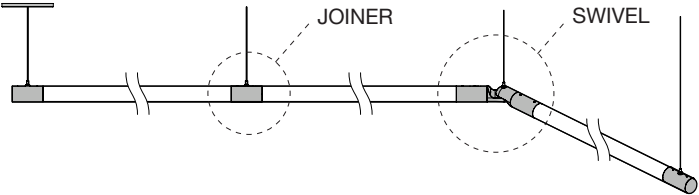
Elements is a simplified product line comprised of 2', 4' and 6' nominal length fixtures that can be joined to create continuous rows or patterns using a joiner or a swivel.

NOMINAL LENGTHS



*Suspension points are calculated between a STRAIGHT STARTER FEED and END SEGMENT/JOINER. For all other configurations, refer to component dimensions below.

PATTERNS / ROWS



DIMENSIONS			
		HE TECH™ DIFFUSED LENS	BAFFLED OPTIC 22° BAFFLED OPTIC 55°
NOMINAL 2'	SUSPENSION	27.75"	27.75"
	LINEAR	24.06"	24.06"
	LIGHT	24.06"	22.90"
NOMINAL 4'	SUSPENSION	51.75"	51.75"
	LINEAR	48.06"	48.06"
	LIGHT	48.06"	45.80"
NOMINAL 6'	SUSPENSION	77.76"	77.76"
	LINEAR	72.06"	72.06"
	LIGHT	72.06"	68.70"

MAXIMUM RUN LENGTH PER POWER DROP

Maximum run lengths are calculated by dividing the maximum DC load (100W) by the DC power consumption per foot of each linear segment. For example, a maximum of 10 linear feet of Diffuse Lens at high output can be powered by a single starter feed: $100W \div 10W/ft = 10ft$. Combining several linear segments is possible and recommended.

OUTPUT	LINEAR SEGMENTS	DC LOAD/FT
LH HIGH OUTPUT	Baffled optic 22°	10 W/ft
	Baffled optic 55°	10 W/ft
	Diffused lens	10 W/ft
	HE tech™	10 W/ft
LS STANDARD OUTPUT	Baffled optic 22°	5 W/ft
	Baffled optic 55°	5 W/ft
	Diffused lens	5 W/ft
	HE tech™	5 W/ft

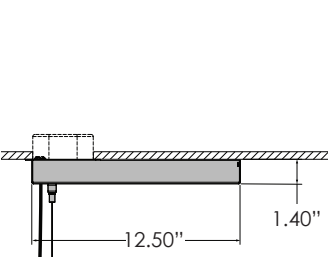


Need several power drops for continuous rows?
Have questions?

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 help.

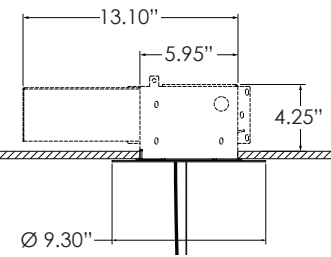
COMPONENT DIMENSIONS

SURFACE CANOPY



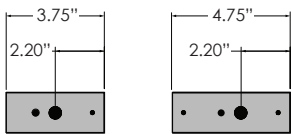
Canopy depth: 2.2"

RECESSED BOX

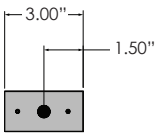


Recessed box depth: 5.95"

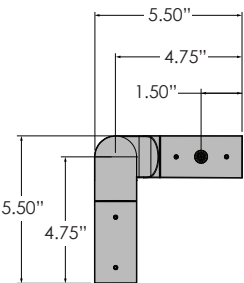
STRAIGHT STARTER/JOINER FEED



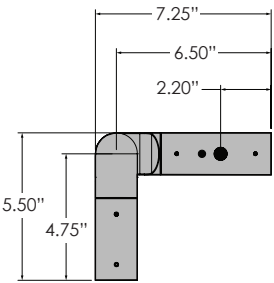
END SEGMENT/JOINER



SWIVEL JOINER



SWIVEL STARTER/JOINER FEED



LIGHT DISTRIBUTION

DISTRIBUTION

Direct Asymmetric

OUTPUT (DC)

LH: High output - 10 W/ft
LS: Standard output - 5 W/ft

LIGHT LOSS FACTORS (LLF)

CRI	CCT	FACTOR
80+	4000K	Baseline
80+	3500K	99%
80+	3000K	95%
90+	4000K	83%
90+	3500K	83%
90+	3000K	84%

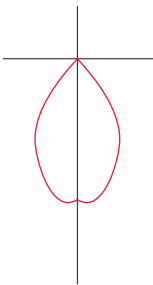
Factors above for high output (LH).
For standard output (LS) -50%.

PHOTOMETRIC DATA

DIRECT ASYMMETRIC
LH - 4000K - 55°

Lumens: 702 lm/ft
Input watts: 10 W/ft (DC)
Efficacy: 70 lm/W

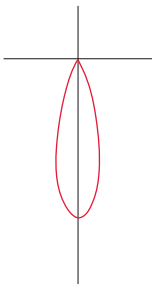
DLH: 



DIRECT ASYMMETRIC
LH - 4000K - 22°

Lumens: 824 lm/ft
Input watts: 10 W/ft (DC)
Efficacy: 82 lm/W

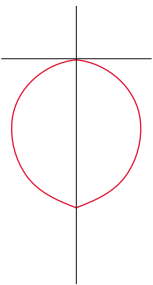
DLH: 



DIRECT ASYMMETRIC
LH - 4000K - HE Tech™

Lumens: 730 lm/ft
Input watts: 10 W/ft (DC)
Efficacy: 73 lm/W

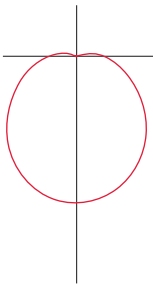
DLH: 

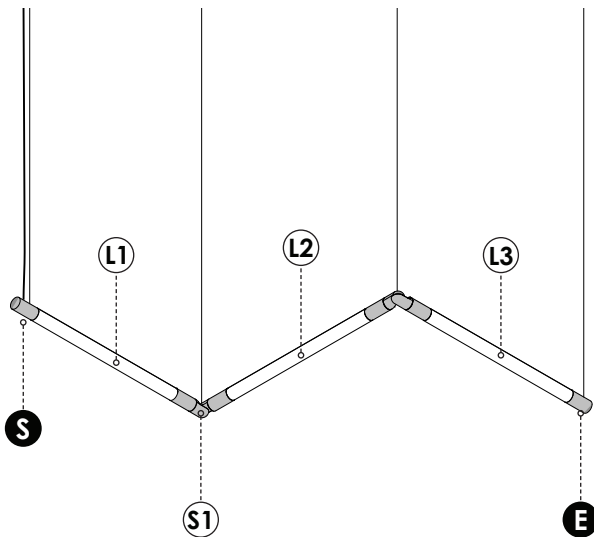


DIRECT ASYMMETRIC
LH - 4000K - Diffuse lens

Lumens: 920 lm/ft
Input watts: 10 W/ft (DC)
Efficacy: 92 lm/W

DLH: 





ALOZ

S 1X - ALO ____ C ____

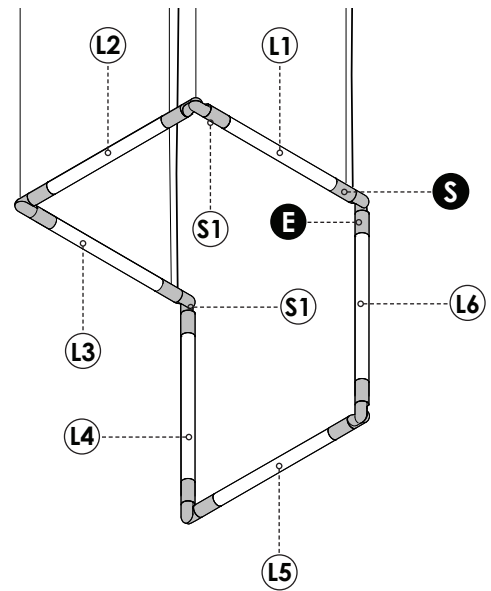
L1 1X - ALO ____ U ____ D

S1 2X - ALOSW ____

L2 1X - ALO ____ U ____ D

L3 1X - ALO ____ U ____ D

E 1X - ALOEC ____



ALOW

S 1X - ALOSW ____

L1 1X - ALO ____ U ____ D

S1 4X - ALOSW ____

L2 1X - ALO ____ U ____ D

L3 1X - ALO ____ U ____ D

S1 1X - ALOJW ____

L4 1X - ALO ____ U ____ D

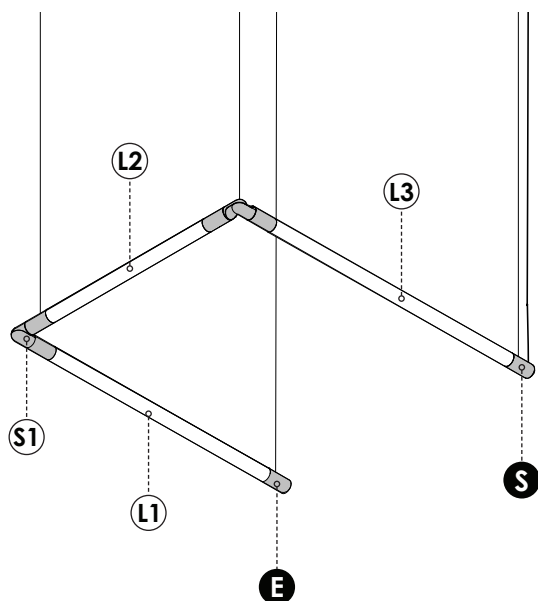
L5 1X - ALO ____ U ____ D

L6 1X - ALO ____ U ____ D

E 1X - ALOEJ ____

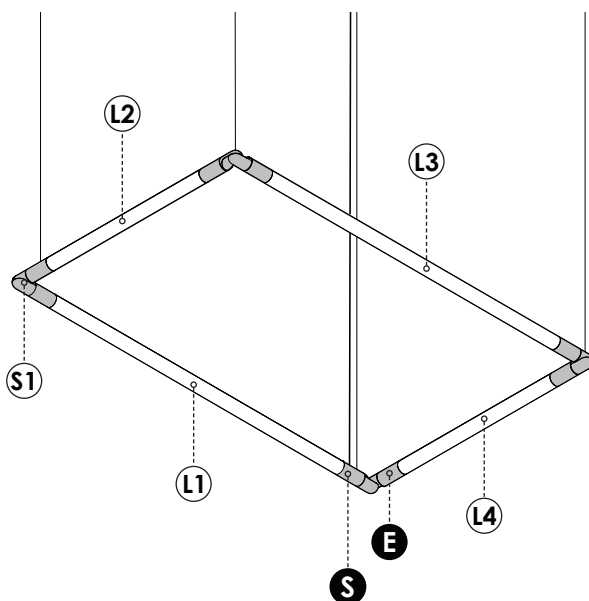
WARNING: The quantity and type of segments used in the pattern diagrams are for reference only. Please refer to the specification sheet for power length maximum to validate the quantity of sources for your specific pattern layout.

Please consult the factory for design configuration assistance. Our talented Design Assist team is always available for collaboration and specification support.



ALOU

- S** 1X - ALO ____ C ____
- L1** 1X - ALO ____ U ____ D
- S1** 2X - ALOSW ____
- L2** 1X - ALO ____ U ____ D
- L3** 1X - ALO ____ U ____ D
- E** 1X - ALOEC ____

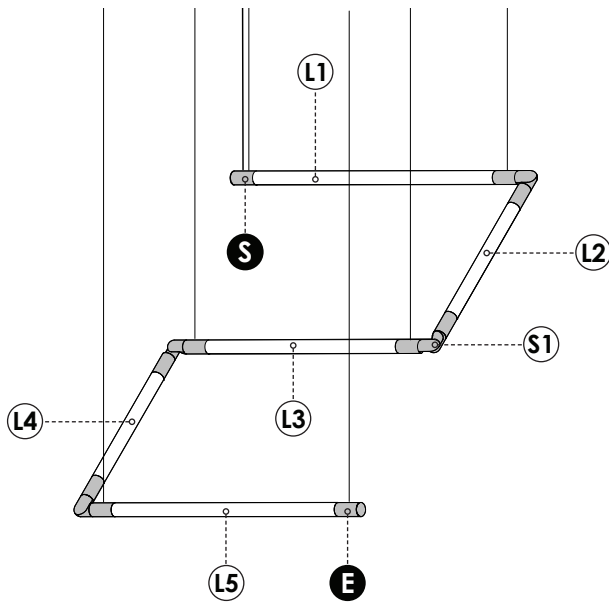


ALQ

- S** 1X - ALOSW ____
- L1** 1X - ALO ____ U ____ D
- S1** 3X - ALOSW ____
- L2** 1X - ALO ____ U ____ D
- L3** 1X - ALO ____ U ____ D
- L4** 1X - ALO ____ U ____ D
- E** 1X - ALOEJ ____

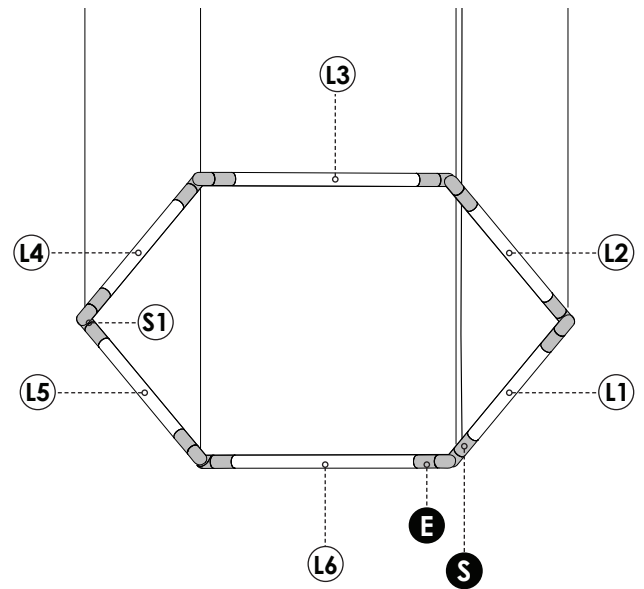
WARNING: The quantity and type of segments used in the pattern diagrams are for reference only. Please refer to the specification sheet for power length maximum to validate the quantity of sources for your specific pattern layout.

Please consult the factory for design configuration assistance. Our talented Design Assist team is always available for collaboration and specification support.



ALOS

- S** 1X - ALO ____ C ____
- L1** 1X - ALO ____ U ____ D
- S1** 4X - ALOSW ____
- L2** 1X - ALO ____ U ____ D
- L3** 1X - ALO ____ U ____ D
- L4** 1X - ALO ____ U ____ D
- L5** 1X - ALO ____ U ____ D
- E** 1X - ALOEC ____



ALOH

- S** 1X - ALOSW ____
- L1** 1X - ALO ____ U ____ D
- S1** 5X - ALOSW ____
- L2** 1X - ALO ____ U ____ D
- L3** 1X - ALO ____ U ____ D
- L4** 1X - ALO ____ U ____ D
- L5** 1X - ALO ____ U ____ D
- L6** 1X - ALO ____ U ____ D
- E** 1X - ALOEJ ____

WARNING: The quantity and type of segments used in the pattern diagrams are for reference only. Please refer to the specification sheet for power length maximum to validate the quantity of sources for your specific pattern layout.

Please consult the factory for design configuration assistance. Our talented Design Assist team is always available for collaboration and specification support.

LINEAR DIMENSIONS

Elements of 2', 4' and 6' nominal length individual fixtures that can be joined to create continuous row lengths or patterns using joiners or swivels.

Custom patterns are possible. Contact Design Assist for modifications to product not detailed within the specification sheets or with help configuring your pattern.

OPTICS

Baffled optic is a custom-designed and manufactured optical system comprised of a Total Internal Reflecting (TIR) optic used in conjunction with a primary light-absorbing baffle. System optics provide high efficiency with a 55° sharp cut-off (half-angle from Nadir), 22° angle and a 55° FWHM angle.

HE Tech™ patented high efficacy extruded diffuse acrylic lens technology delivers superior lumen output with optimal uniform lens surface luminance for direct distribution.

Diffuse lens is used for a wider lambertian distribution, delivering beautifully refined light with uncompromising performance.

No light is an optical option that can be used in combination with lit segments to create unique patterns with or without light.

LED LIGHT SOURCE

Custom manufactured linear board array uses high performance Nichia® LED in combination 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 standard 80+ CRI; other color temperatures and 90+ CRI available. 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 DIMMING DRIVER

Standard constant voltage 120-277V electronic driver with 0-10V dimming control (dim to off). Max Driver life of 100,000 hrs with ambient operating temperature range of -20°C to 60°C, maximum case temperature of 80°C. Electrical specifications at maximum driver load: PF >0.90, THD 20%, >90% Efficiency.

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.

MAXIMUM LOAD

Maximum AC load of 120W per driver; Maximum DC load of 100W of installed light sources. This translates to a maximum of 10 linear feet of high output (LH) linear segments or 20 linear feet of standard output (LS) linear segments. Light sources can be mixed on the same driver. Consult the specification guide for more details.

MOUNTING

Suspension with aircraft cables includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length, comes factory installed in the fixture. Surface canopy: 12.5" x 1.40" x 2.2" surface mounted canopy. Recessed box: ø9.3" flat plate with recessed driver box. Cord strain also included. Black power cord provided for black and a-lightanium finish, white power cord provided for all other fixture finishes unless otherwise specified. Consult factory for alternative mounting options.

PLUG & PLAY

Innovative plug and play system for joining segments with a simple click. Easily combine or remove segments, joiners or swivels as needed up to the maximum DC load. All linear segments can be rotated 360° and locked in place as needed using a discreet set screw on the joiner/swivel. Swivels have a horizontal angle of 200°.

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. Machined aluminum joiners and precision die-casted aluminum swivels. 1 lbs/ft approximate fixture weight.

FINISH

Electrostatically applied powder coat finish. Standard finish options include a-lightanium™, white, and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirements. Canopy and cover plates standard finish is white.

LISTING

UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.2.

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 the full terms and conditions on our website.