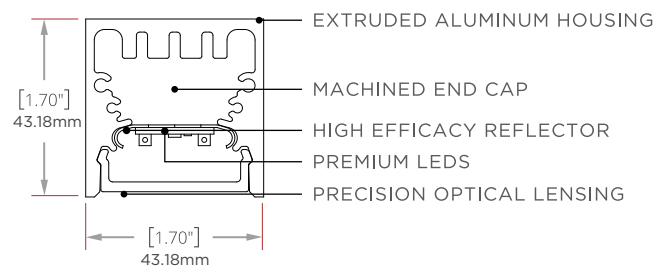
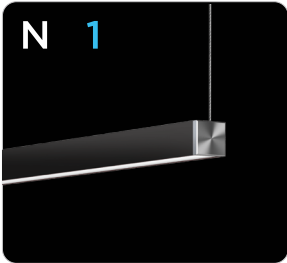


DATE	PROJECT	FIRM	TYPE
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Tuned for Day
MAXBLUE provides focus and alertness all day

Tuned for Night
ZEROBLUE biological night and usable white light



Nitrogen 1 is tuned for humans with integrated Circadian Blue technology. It provides the right blue light at the right time for health and well-being. Maintaining the clean simplicity and balanced proportions of the entire Nitrogen series, this housing offers greater versatility and efficacy.

- FEATURES:**
- C1 Dimming 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 ¹	DIRECT BEAM DISTRIBUTION ¹	DRIVER	HOUSING FINISH	CABLE LENGTH
N1 Nitrogen 1	CSD Cable Suspended Direct Only CSI Cable Suspended Indirect CSR Cable Suspended Rotational	2 3 4 5 6 7 8 <i>CP^{3,4}</i> Custom Pattern <i>CR^{1,3}</i> Continuous Run (Specify Length in Nominal Feet)	CIR	VL Very low L Low S Standard H High VH ² Very High	F Flood	DALI DT8	SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory)	4' 4" 8' 8"
<div>1. Power Feed is always at the first section in a continuous run 3. See final page for CP specifications guide 4. Finish must be powdercoated</div> <div>1. Select only 'Direct' attributes for CSR & CSD mountings 2. VH not available for 8ft</div>								

END CAPS FINISH ¹	DRIVER HOUSING FINISH	CANOPY SIZE	CANOPY FINISH
MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	SC Satin Clear SW Satin White 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 ¹ Zero Canopy/Mud In 2ACT ¹ Zero Canopy	MF Machine Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)
<div>1. CSR rotational hardware finish matches end cap finish selection</div> <div>1. Non CE; Requires North American J-box</div>			

ZEROBLUE FLOOD DIRECT					
POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS /4FT	EFFICACY LPW	CCT/CRI
VL	704	704	16	46	2700/81
L	1082	1082	24	46	2700/81
S	1440	1440	32	46	2700/81
H	1760	1760	40	45	2700/81
VH	2025	2025	48	44	2700/81
MAXBLUE FLOOD DIRECT					
POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS /4FT	EFFICACY LPW	CCT/CRI
VL	1647	1647	16	92	4200/85
L	2412	2412	24	92	4200/85
S	3136	3136	32	91	4200/85
H	3798	3798	40	88	4200/85
VH	4292	4292	48	85	4200/85

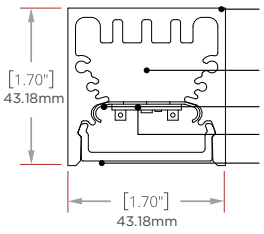
GENERAL NOTES:

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.

DATE	PROJECT	FIRM	TYPE
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EXTRUDED ALUMINUM HOUSING

MACHINED END CAP

HIGH EFFICACY REFLECTOR

PREMIUM LEDS

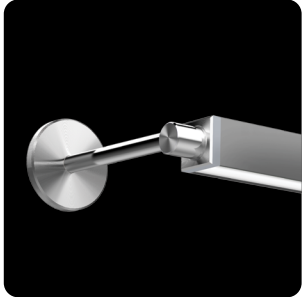
PRECISION OPTICAL LENSING

[1.70"]
43.18mm

[1.70"]
43.18mm

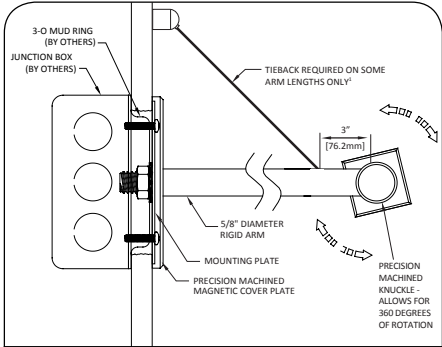
FEATURES:

- 5/8" DIAMETER RIGID TUBE MOUNTING SYSTEM
- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 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
N1 Nitrogen 1	RAM Rotational Arm Mount <i>RAME Rotational Arm Mount - International</i>	2 3 4 5 6 7 8 CR^{1,3} Continuous Run (Specify Length in Nominal Feet) 1. Power feed is always at the first section in a continuous run 3. Rotational mounting w/ CR will have a power feed for every section	CIR	VL Very low L Low S Standard H High VH² Very High	F Flood	DALI <i>DT8</i>	SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory)

END CAPS & RAM HARDWARE FINISH	DRIVER HOUSING FINISH	ARM LENGTH NOM (IN)	MOUNTING PLATE	
MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	SC Satin Clear <i>SW Satin White</i> <i>MB Matte Black</i>	3 6 9 ¹ 12 ¹ 1. Includes Mounting Tieback	4CPF	 <p>ROTATIONAL ARM MOUNT INFORMATION</p>

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.



DATE	PROJECT	FIRM	TYPE
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FEATURES:

- WALL MOUNTING SYSTEM
- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- PRE LOCATED FIXTURE HARDWARE FOR EASY SURFACE INSTALL
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL

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
N1 Nitrogen 1	SMS Surface Mount Side	2	CIR	VL Very low	F Flood	DALI <i>DT8</i>	SC Satin Clear Anodize
	SMSE Surface Mount Side - International	3		L Low	VH ² Very High		SW Satin White Powder Coat
	SMTD Side Mount Top (Drywall)	4		S Standard			MB Matte Black Powder Coat
	SMTB Surface Mount top (TBAR) ¹	5		H High			CF Custom Finish (Consult Factory)
	SMTDE Surface Mount Top INTL (Drywall)	6					
	SMTBE Surface Mount Top INTL (TBAR) ¹	7					
		8					
1. 15/16" flat Tbar compatible clips included standard; contact factory for 9/16" flat TBAR clips				2. VH not available for 8ft		1. Driver must reside in remote housing 2. 0-10V input - CHOOSE DALI instead for INTL versions	

END CAPS FINISH	DRIVER HOUSING FINISH
MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	SC Machined Finish SW Satin Clear MB Satin White Matte Black CF Custom Finish (Consult Factory)

TBAR Mounting Clips >> Surface Mount Top	9/16 Flat Clips	15/16 Flat Clips
Nitrogen 1	Standard	Not Compatible
Nitrogen 2	Optional*	Standard
	*Contact Factory	

SURFACE MOUNT SIDE (SMS)

DATE	PROJECT	FIRM	TYPE
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Nitrogen 1 Circadian												
4W/FT	CCT	2700	2850	3000	3150	3300	3450	3600	3750	3900	4050	4200
	Max Cd	62.90	68.40	73.60	80.00	87.20	95.90	104.10	114.90	124.70	134.50	147.17
	Lumens	175.96	191.35	205.89	223.80	243.94	268.27	291.21	321.43	348.84	376.26	411.70
	Watts	3.83	3.85	3.88	3.90	3.98	4.03	4.10	4.18	4.23	4.33	4.48
	L/W	46.00	49.70	53.13	57.38	61.37	66.65	71.03	76.99	82.57	87.00	92.00
6W/FT	CCT	2700	2850	3000	3150	3300	3450	3600	3750	3900	4050	4200
	Max Cd	96.50	106.10	114.60	125.10	136.20	147.00	158.40	171.40	187.30	201.30	215.09
	Lumens	270.52	297.43	321.26	350.70	381.81	412.09	444.05	480.49	525.07	564.31	602.97
	Watts	5.80	5.83	5.83	5.88	5.93	5.95	5.95	6.03	6.18	6.33	6.60
	L/W	46.64	51.06	55.15	59.69	64.44	69.26	74.63	79.75	85.03	89.22	91.36
8W/FT	CCT	2700	2850	3000	3150	3300	3450	3600	3750	3900	4050	4200
	Max Cd	128.70	141.50	154.00	167.60	181.00	195.00	210.00	226.20	245.30	261.20	280.29
	Lumens	359.99	395.80	430.76	468.80	506.28	545.44	587.40	632.71	686.14	730.61	784.01
	Watts	7.85	7.88	7.88	7.90	7.90	7.88	7.90	8.00	8.13	8.33	8.65
	L/W	45.86	50.26	54.70	59.34	64.09	69.26	74.35	79.09	84.45	87.76	90.64
10W/FT	CCT	2700	2850	3000	3150	3300	3450	3600	3750	3900	4050	4200
	Max Cd	157.10	174.70	191.80	207.70	223.80	241.70	260.50	280.20	299.50	319.00	338.86
	Lumens	440.19	489.50	537.41	581.97	627.08	677.23	729.91	785.11	839.19	893.82	949.47
	Watts	9.90	9.88	9.90	9.88	9.83	9.83	9.85	9.93	10.05	10.35	10.76
	L/W	44.46	49.57	54.28	58.93	63.82	68.93	74.10	79.10	83.50	86.36	88.24
12W/FT	CCT	2700	2850	3000	3150	3300	3450	3600	3750	3900	4050	4200
	Max Cd	180.50	201.50	221.00	238.70	258.50	279.60	301.10	321.70	344.70	365.70	382.45
	Lumens	506.42	565.34	620.05	669.71	725.27	784.47	844.79	902.59	967.12	1026.03	1073.03
	Watts	11.58	11.55	11.53	11.48	11.43	11.48	11.53	11.55	11.73	12.05	12.59
	L/W	43.75	48.95	53.80	58.36	63.48	68.36	73.30	78.15	82.48	85.15	82.23

DATE	PROJECT	FIRM	TYPE
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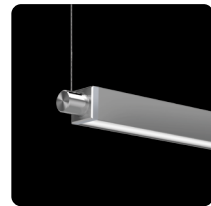
MOUNTING



CABLE SUSPENDED (CS)
CABLE SUSPENDED DIRECT (CSD)
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.



SURFACE MOUNT SIDE (SMS)
Surface Mount Side (SMS): the fixture is mounted on the wall & gives a static down-light.



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.

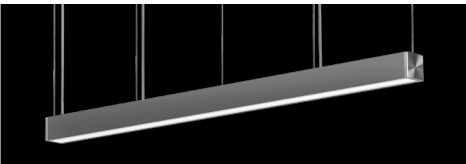


ROTATIONAL ARM MOUNT (RAM)
This system uses 5/8" diameter aluminum arms and subtle details in combination with a 360 degree rotational capacity to create some of the most versatile linear fixtures in the architectural market. Standard mounting uses 3/0 mud rings (supplied by others). Engineered with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

CONTINUOUS RUN (CR)

This fixture has two continuous run connection options. Our single seam continuous run option offers smooth transitions from one section to the next. The joiner bracket and alignment pin system in this option, offers easy to use, confident, single seam connections with a tight fit.

Alternatively, our 360 degree rotational 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.



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL
(SPIRAL EFFECT)



CONTINUOUS RUN
SINGLE SEAM



FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CANOPIES

44



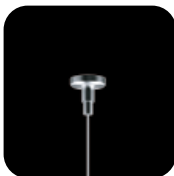
4" diameter power feed and 4" diameter non-power feed canopy.

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)

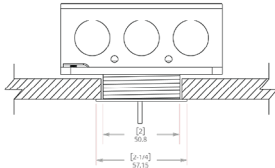
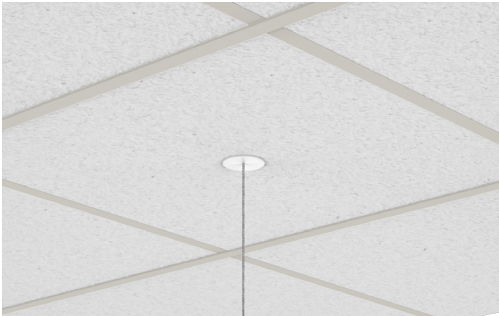
This powerfeed canopy replaces the flat style canopy from the North American mounting style (44, 41, & 40) versions pictured)

Table with 4 columns: DATE, PROJECT, FIRM, TYPE

ZERO CANOPY OPTIONS

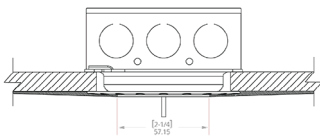
Zero Canopy is Lumium's exclusive suspension mounting method to eliminate all visual distractions on the ceiling plane. When used with non-powered aircraft suspension cable, or with our Powered Suspension System (PSS) and remote driver, Lumium's Zero Canopy option eliminates the need for a thick canopy 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.

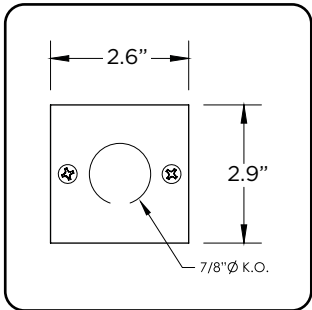
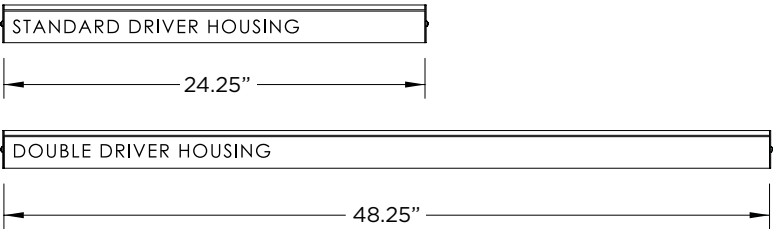
Color and finish selection grid with STANDARD and CUSTOM sections for LUMINAIRE and HARDWARE.

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

DATE	PROJECT	FIRM	TYPE
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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.

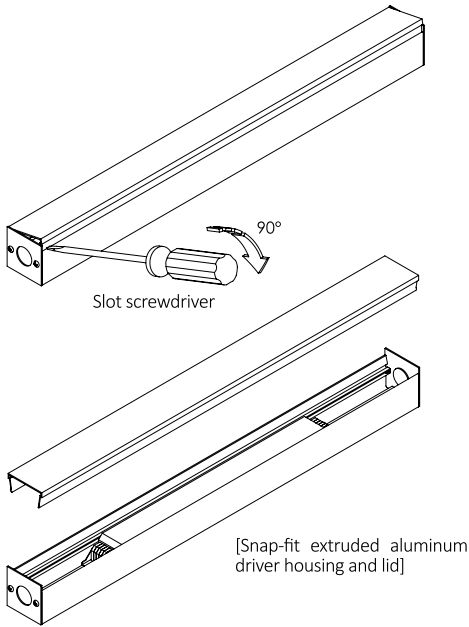


DRIVER HOUSING PROFILE

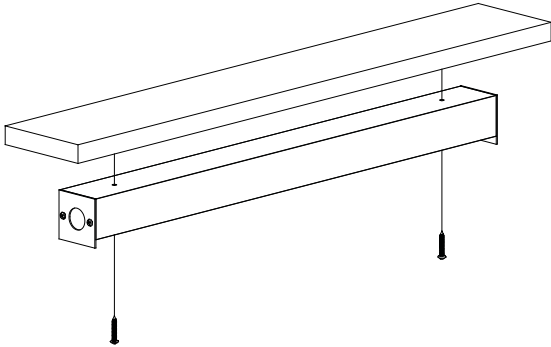
INSTRUCTIONS

See below for lid removal and installation instructions.

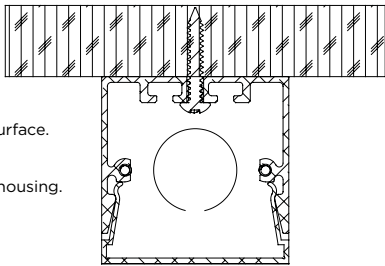
To remove the driver housing lid, use a broad slot screwdriver in the channel as shown here and twist the screwdriver ninety degrees. This may need to be done at both ends of the housing or multiple locations depending on the driver housing length.



- 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
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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).

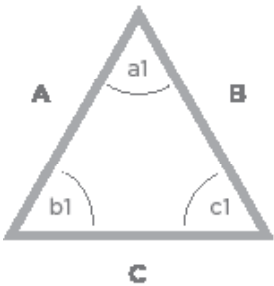
CUSTOMER INSTRUCTIONS

- 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.

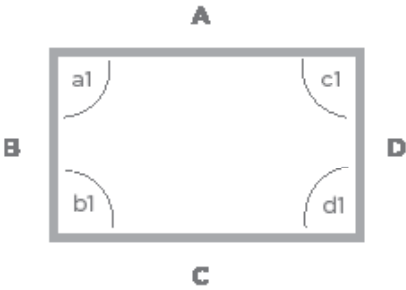


NITROGEN 3 CUSTOM PATTERN PICTURED

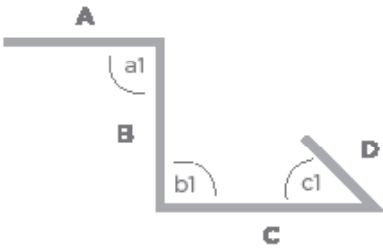
EXAMPLES:



- 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