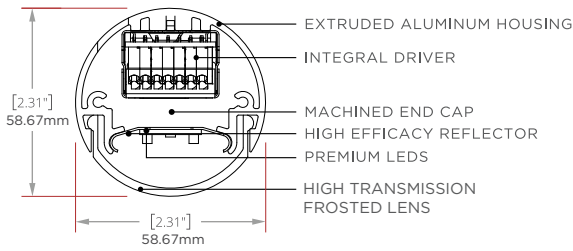


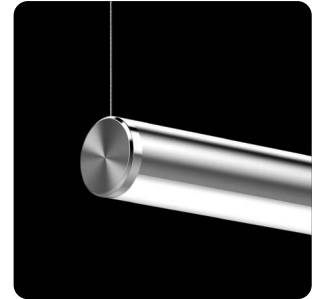
DATE	PROJECT	FIRM	TYPE
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PERFORMANCE

STATIC WHITE | FLOOD DIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VL	2047	2047	16	128	4000/80
L	2869	2869	24	120	4000/80
S	3799	3799	32	119	4000/80
H	4571	4571	40	114	4000/80
VH	5513	5513	48	115	4000/80



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

FEATURES:

- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- 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	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION ¹	DRIVER
O2 Oxygen 2	CSD Cable Suspended Direct CSI Cable Suspended Indirect CSR Cable Suspended Rotational	2 3 4 5 6 7 8 <i>CP^{1,4} Custom Pattern</i> CR^{1,2} Continuous Run (Specify Length in Nominal Feet) _____ 1. Power feed is always first section of a continuous run 2. Rotational mounting w/CR will have a power feed for every section 3. See first page for CP specifications guide 4. Finish must be powdercoated	827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i> <i>RGBW</i> 1. Pair only w/ power level(s) = S, beams = F	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>LDES</i> Lutron Ecosystem 5% <i>1DT</i> (TW) ² <i>1DW</i> (WD) ² <i>DMX8</i> Standard 8 bit (RGBW) ¹ <i>DMX16</i> Optional 8 bit (RGBW) ¹ <i>DALI</i> (INTL) <i>TWS</i> (Sensor Fixtures) ² 1. Driver must reside in remote housing 2. 0-10V input - CHOOSE DALI instead for INTL versions 3. Integrated Sensor options pair with TWS driver only

HOUSING FINISH	END CAPS FINISH ¹	CANOPY SIZE	CANOPY FINISH	POWER CORD	CABLE LENGTH	OPTIONS ⁶
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory)	MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	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	MF Machine Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	W White G Gray ¹ B Black	4 4' 8 8'	EMB7^{1,3,4,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12^{1,3,4,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW^{1,2} Emergency Circuit Wiring <i>WSE⁵</i> WSE Enlightened Sensor <i>WSW⁶</i> WSW Wavelinx Sensor 1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 & EMB12 - 5ft lengths and up 4. CSI mounting not compatible with EMB 5. EMB not available for combined 8ft length & VH power 6. Factory EMB and Sensor (WS) options not avail for INTL

GENERAL

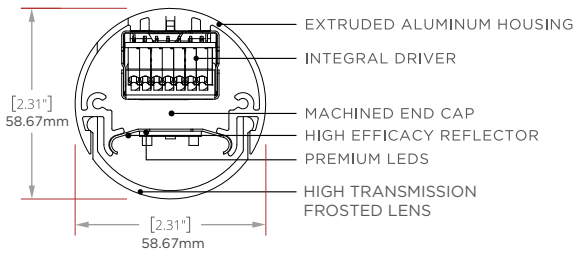
All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant. **INTEGRAL DRIVER** for all options. Please contact the factory with any specification questions.



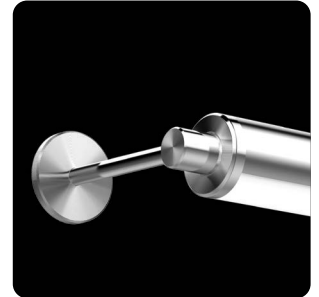
FIXTURE ORIENTATION

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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**FEATURES:**

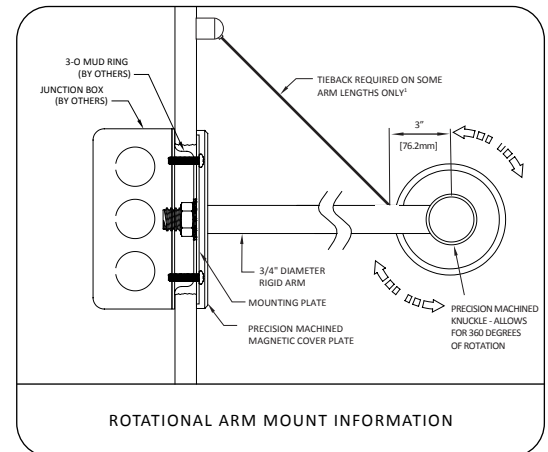
- 3/4" DIAMETER RIGID TUBE MOUNTING SYSTEM
- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING



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
O2 Oxygen 2	RAM Rotational Arm Mount <i>RAME</i> Rotational Arm Mount - International	2 3 4 5 6 7 8 CR^{1,2} Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 <i>TW2765</i> <i>WD1827</i> <i>RGBW¹</i>	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>DMX8</i> Optional 8 bit (RGBW) ¹ <i>DMX16</i> Optional 16 bit (RGBW) ¹ <i>DALI</i> (INTL) <i>TWS</i> (Sensor Fixtures) ³	SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat <i>CF</i> Custom Finish (Consult Factory)
1. Power feed is always at the first section in a continuous run 2. Rotational mounting w/ CR will have a power feed for every section			1. Pair only w/ power level(s) = S, beams = F				

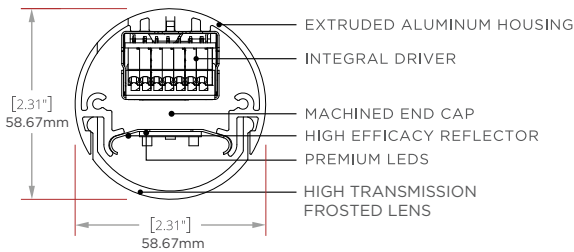
END CAPS & RAM HARDWARE FINISH	ARM LENGTH NOM (IN)	MOUNTING PLATE	OPTIONS ⁶
MF Machined Finish SW Satin White MB Matte Black <i>CF</i> Custom Finish (Consult Factory)	3 6¹ 9¹ 12¹	4CPF	EMB7^{1,3,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12^{1,3,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW^{1,2} Emergency Circuit Wiring <i>WSE⁵</i> WSE Enlightened Sensor <i>WSW⁶</i> WSW Wavelength Sensor
1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 & EMB12 - 5ft lengths and up 5. EMB not available for combined 8ft length & VH power 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. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.



DATE	PROJECT	FIRM	TYPE
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**FEATURES:**

- CEILING OR WALL MOUNTING SYSTEM
- HIGH TRANSMISSION FROSTED LENSES
- 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
O2 Oxygen 2	SMS Surface Mount Side <i>SMSE</i> Surface Mount Side - International SMTD Surface Mount Top (Drywall) SMTDE Surface Mount Top INTL (Drywall)	2 3 4 5 6 7 8 CR ¹ Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 TW2765 WD1827 RGBW ¹	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 DMX8 Optional 8 bit (RGBW) ¹ DMX16 Optional 16 bit (RGBW) ¹ DALI (INTL) TWS (Sensor Fixtures) ³	SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory)
			¹ Pair only w/ power level(s) = S, beams = F				
			¹ Power feed is always at the first section in a continuous run				
			¹ Driver must reside in remote housing ² 0-10V input - CHOOSE DALI instead for INTL versions ³ Integrated Sensor options pair with TWS driver only				

END CAPS FINISH	OPTIONS ⁵
MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	EMB7 ^{1,3,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,3,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wiring <i>WSE</i> ⁶ WSE Enlighted Sensor <i>WSW</i> ⁶ WSW Wavelength Sensor
	<p>1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 & EMB12 - 5ft lengths and up 5. EMB not available for combined 8ft length & VH power 6. Factory EMB and Sensor (WS*) options not avail for INTL</p>
	<div><div><p>(BLOCK AND SET SCREW)</p></div><div><p>(BLOCK AND SET SCREW)</p></div></div>
	<div><div>SURFACE MOUNT SIDE (SMS)</div><div>SURFACE MOUNT TOP (SMT)</div></div>

GENERAL NOTES:

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



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DATE	PROJECT	FIRM	TYPE
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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	2047	2047	16	128	4000/80	2700K	0.93	0.79
L	2869	2869	24	120	4000/80	3000K	0.96	0.82
S	3799	3799	32	119	4000/80	3500K	0.97	0.85
H	4571	4571	40	114	4000/80	4000K	1.00	0.89
VH	5513	5513	48	115	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	1437	1437	24	60	4000/90	2700K	1.09
L	2014	2014	32	63	4000/90	3000K	1.08
S	2666	2666	36	74	4000/90	3500K	1.03
H	3208	3208	44	73	4000/90	4000K	1.00
VH	3870	3870	48	81	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	1508	1508	24	63	2700/90	1800K	0.02
L	2114	2114	32	66	2700/90	2250K	0.17
S	2799	2799	36	78	2700/90	2700K	1.00
H	3368	3368	44	77	2700/90		
VH	4063	4063	48	85	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	370	370	10	37	4000
S	All	855	855	20	43	N/A

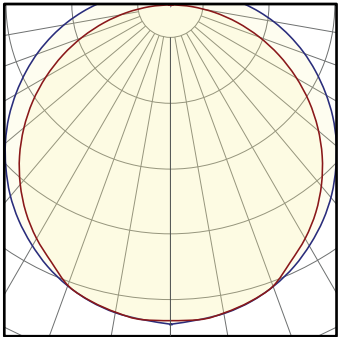
DATE	PROJECT	FIRM	TYPE
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DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW
STATIC WHITE	4000K/80	S (32W)	3799	119
DYNAMIC WHITE	4000K/90	S (36W)	2666	74
WARM DIM	2700K/90	S (36W)	2799	78
RGBW	ALL CHANNELS UP	S (20W)	855	43

FLOOD*



MAX CANDELA: 1069
DELIVERED LUMENS: 3799
WATTS: 32
LPW: 119

*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

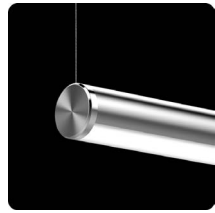
CCT	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

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
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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.



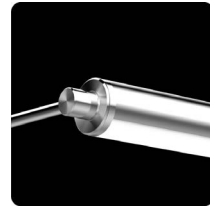
CABLE SUSPENDED - ROTATIONAL (CSR)

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.



SURFACE MOUNT SIDE (SMS) SURFACE MOUNT TOP (SMT)

Surface Mount Side (SMS) or Side Mount Top (SMT). Side, the fixture is mounted on the wall. Top, the fixture is mounted on the ceiling. Both Side and Top give a static down-light. Top or Side Mount specification denotes the power feed location(s).



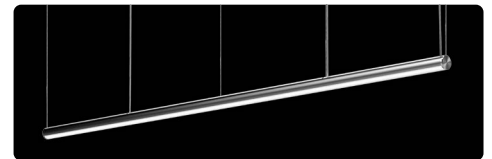
ROTATIONAL ARM MOUNT (RAM)

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/O 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 INTEGRAL
DRIVER FIXTURES

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

DATE	PROJECT	FIRM	TYPE
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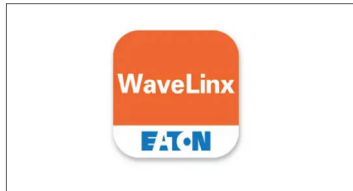
COLOR AND FINISH

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				

SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaires are now available with integrated control gear from 4 major partners.



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

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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)

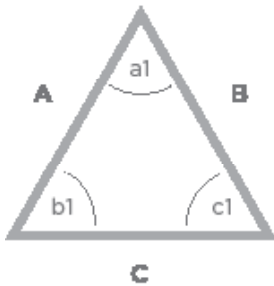
1. For '3 dimensional' patterns, please provide side view(s) with desired angles, in addition to a top view.

2. Minimum corner angle is 30 degrees.



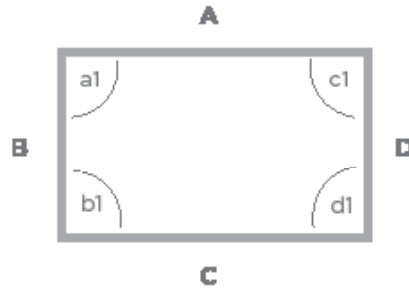
NITROGEN 3 CUSTOM PATTERN PICTURED

EXAMPLES:



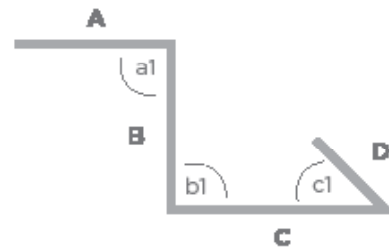
Customer Specification

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