3000K

90

0.82

80

0.96

3500K

90

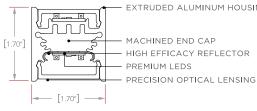
0.85

80

0.97

# Linear Series - Diamond 1

## CABLE SUSPENDED



EXTRUDED ALUMINUM HOUSING

#### PERFORMANCE

сст

CRI

MULTIPLIER

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

2700K

90

0.79

80

0.93

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VLO	1983	2234	4217	32	132	4000/80
LO	2780	3132	5912	48	123	4000/80
so	3680	4147	7827	64	122	4000/80
но	4428	4989	9418	80	118	4000/80
νно	5342	6018	11360	96	118	4000/80



4000K

90

0.89

80

1

#### FEATURES:

- POWERED SUSPENSION SYSTEM NO SEPARATE POWER CORD DROP
- 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
- UGR<19 IN SELECT OUTPUTS AND CONFIGURATIONS

NOTE: REQUIRES REMOTE DRIVERS



90

0.89

5000K

80

1.01

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

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT DIRECT POWER BEAM LEVEL' DISTRIBUTION	INDIRECT INDIRECT POWER BEAM LEVEL' DISTRIBUTION'	DRIVER
LS-DMD-1	CS Cable Suspended CSR Cable Suspended Rotational	2 3 4 5 6 7 8 <b>CP</b> <sup>3,4</sup> Custom Pattern CR <sup>123</sup> Continuous Run (Specify Length in Nominal Feet) 1 Power Feed is always at the first section in a continuous run 2 OR avail only with rotational mounting 3 See final page for O's positions guide 4 Firsh must be powdercoated	827 830 835 840 850 927 930 935 940 950 TW2765 WD1827 RGBW' 1.Paironly W powerlev(%) = S. beams = F	VL Very Iow G Graze L Low N Narrow S Standard Flood H High F Flood VH <sup>2</sup> Very High W Wall Wash A Aisle	VL Very low F Flood L Low B Batwing S Standard H High VH <sup>2</sup> Very High	1D 0-10V EldoLED 1% 01D 0-10V EldoLED 0.1% LDE1 Lutron Ecosystem 7% LDE5 Lutron Ecosystem 5% 1DT (TW) <sup>2</sup> 1DW (WD) <sup>2</sup> DMX8 Standard 8 bit (RGBW, DMX16 Optional 16 bit (RGBW, DALI (INTL) 1.Driver must reside in remote housing 2.040V input - CHOOSE DALI instead for INTL versions

HOUSING	END CAPS	DRIVER	CANOPY	CANOPY	POWER	CABLE	OPTIONS <sup>6</sup>
FINISH	FINISH <sup>1</sup>	HOUSING FINISH	SIZE	FINSH	CORD	LENGTH	
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Oustorn Finish (Consult Factory)	MF Machined Finish SW Satin White MB Matte Black CF Outern Finish (Consult Factory)	SC Satin Clear SW Satin White MB Matte Black	44 4" Power feed canopy 44E 4" Power feed canopy - International	MF Machine Finish SW Satin White MB Matte Black CF Oustom Finish (Consult Factory)	PSS	4 4' 8 8'	EMB7 <sup>1,5,6</sup> 7 Watt battery back-up (Approximately 600 lumens) EMB12 <sup>1,5,6</sup> 12 Watt battery back-up (Approximately 1000 lumens) EMW <sup>1,2</sup> Emergency Circuit Wiring Dual Circuit Dual Circuit 1 BM2/B/W only linked to first section of continuus.run 2 EMW not available for 2H/3H lengths 5 EMB not available for 2H/3H lengths 5 EMB not available for combined BFT 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. 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.

# Linear Series - Diamond 1

## ROTATIONAL ARM MOUNT



- MACHINED END CAP HIGH EFFICACY REFLECTOR PREMIUM LEDS
- PRECISION OPTICAL LENSING
- 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 <sup>1</sup>	DIRECT BEAM DISTRIBUTION	INDIRECT INDIRECT POWER BEAM LEVEL <sup>1</sup> DISTRIBUTION	DRIVER
LS-DMD-1	RAM Rotational Arm Mount RAME Rotational Arm Mount - International	2 3 4 5 6 7 8 <b>CR</b> <sup>3</sup> Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 TW2765	VL Very Iow L Low S Standard H High VH Very High	G Graze N Narrow Flood F Flood W Wall Wash A Aisle	VL Very low F Flood L Low B Batwing S Standard H High VH Very High	1D 0-10V EldoLED 1% 01D 0-10V EldoLED 0.1 LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% 1DT (TW) <sup>2</sup> 1DW (WD) <sup>2</sup> DMX8 Standard 8 bit (RGBV DMX16 Optional 16 bit (RGBV DALI (INTL)
		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	WD1827 RGBW <sup>1</sup> 1.Pair only w/ power.level(s) =S.baams=F	1.2it & 3it - must have same po for up and down 2.VH not available for 8it	weroutput	1. 2ft & 3ft - must have same power output for up and down 2. VH not available for 8ft	1. Driver must reside in remote housing 2. 0-10V input - CHOOSE DALI instea INTL versions

ŀ	IOUSING FINISH	ENG CAPS & RAM HARDWARE FINISH	DRIVER HOUSING FINISH	ARM LENGTH NOM (IN)	MOUNTING PLATE	OPTIONS <sup>6</sup>	3 O MUD RING (BY OTHER) JUNCTON KRON (BY OTHER) (BY OTHER) (BY OTHER) 
SW MB	Satin Clear Anodize Satin White Powder Coat Matte Black Powder Coat Custom Finish (Consult Factory)	MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	SC Satin Clear SW Satin White MB Matte Black	3 6 91 121	4CPF	<ul> <li>EMB7<sup>1,5,6</sup> 7 Watt battery back-up (Approximately 600 lumens)</li> <li>EMB12<sup>1,5,6</sup> 12 Watt battery back-up (Approximately 1000 lumens)</li> <li>EMW<sup>1,2</sup> Emergency Circuit Wiring Dual Dual Circuit Circuit</li> <li>1.BMB/EMW only linked to first section of continuous run</li> <li>2.BMB not available for 2nt/3t lengths</li> <li>5. BMB not available for combined BFT length &amp; WH power</li> <li>6.Factory EMB and Sensor (WS<sup>2</sup>) options not available for INTL</li> </ul>	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.



MACHINED END CAP

PREMIUM LEDS

HIGH EFFICACY REFLECTOR

Linear Series - Diamond 1

### SURFACE MOUNT

[1.70"]

[1.70"]



- WALL MOUNTING SYSTEM WITH PRE LOCATED FIXTURE HARDWARE FOR EASY SURFACE INSTALL
- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- PRECISION OPTICAL LENSING EXTRUDED ALUMINUM HOUS
  - 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	MOU	UNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT POWER LEVEL'	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL <sup>1</sup>	INDIRECT BEAM DISTRIBUTION
LS-DMD-1	SMS Surface Mount Side SMSE Surface Mount Side - International		2 3 4 5 6 7 8	827 830 835 840 850 927 930 935 940 950 TW2765 WD1827 RGBW <sup>1</sup> 1Paron/w <sup>1</sup> powerket(3) =Sbarns=F	VL Very low L Low S Standard H High VH <sup>2</sup> Very High	G Graze N Narrow Flood F Flood W Wall Wash A Aisle	VL Very Iow F Flood L Low B Batwir S Standard H High VH Very High 12ft&3t-msthaesamepoweroutput forup anddwn 2.Virotraebbe for 8t	
DRIVER		HOUSING FINISH	END CAP		DRIVER HOUSING FINISH	<b>OPTIONS<sup>6</sup></b>		
ID 0-10V Elc 01D 0-10V Elc LDE1 Lutron Eco LDE5 Lutron Eco 1DT (TW) <sup>2</sup> 1DW (WD) <sup>2</sup> DMX8 Standard 8 MX16 Optional 16 DALI (INTL) 1. Driver must reside in re 2 0-10V input - CHOOS	loLED 0.1% system 1% system 5% 8 bit (RGBW)* 5 bit (RGBW)*	SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory		White Black	SC Satin Clear SW Satin White MB Matte Black	6. Factory EMB and Sensor (WS*) options not avail for INTL	2)	[0.37'] 9.42 mm
INTL versions							SURFACE MOU	JNT SIDE (SMS)

#### 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.



PROJEC

TYPE

-		-	

# Linear Series - Diamond 1

## BIDIRECTIONAL

### STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER	LIGHT	LIGHT	TOTAL	ENERGY	EFFICACY	CCT/CRI	CCT MULTIF	PLIERS, STATI	СWН
LEVELS	DIRECT LM/4FT	INDIRECT LM/4FT	LIGHT LM/4FT	WATTS/4FT	LPW		ССТ	80CRI	90CR
VLO	1983	2234	4217	32	132	4000/80	2700K	0.93	0.79
LO	2780	3132	5912	48	123	4000/80	3000K	0.96	0.82
SO	3680	4147	7827	64	122	4000/80	3500K	0.97	0.85
НО	4428	4989	9418	80	118	4000/80	4000K	1.00	9.89
VHO	5342	6018	11360	96	118	4000/80	5000K	1.01	0.89
									1 1

### DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER	LIGHT	LIGHT	TOTAL	ENERGY	EFFICACY	сст		RS, DYNAMIC WH
LEVELS	DIRECT LM/4FT	INDIRECT LM/4FT	LIGHT LM/4FT	WATTS/4FT	LPW		ССТ	90CRI
VLO	1392	1568	2960	48	62	4000/90	2700K	1.09
LO	1951	2198	4149	64	65	4000/90	3000K	1.08
so	2583	2910	5493	72	76	4000/90	3500K	1.03
НО	3108	3502	6610	88	75	4000/90	4000K	1.00
VHO	3749	4224	7973	96	83	4000/90	5000K 6500K	0.99

### WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER	LIGHT	LIGHT	TOTAL	ENERGY	EFFICACY	ССТ	CCT MULTIPLIER	RS, WARM DIM
LEVELS	DIRECT LM/4FT	INDIRECT	LIGHT LM/4FT	WATTS/4FT	LPW		ССТ	90CRI
VLO	1461	1646	3108	48	65	2700/90	1800К	0.02
LO	2048	2308	4356	64	68	2700/90	2250K	017
SO	2712	3055	5767	72	80	2700/90	2700K	1.00
НО	3263	3676	6940	88	79	2700/90		
VHO	3936	4435	8371	96	87	2700/90		/

## RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	сст
SO	White	358	404	762	20	38	4000
so	All	828	933	1762	40	44	N/A

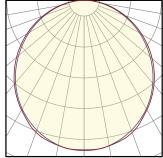
# Linear Series - Diamond 1

## DIRECT

## DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

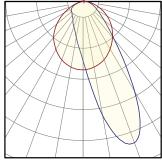
ТҮРЕ	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	SO (32W)	3680	115	4108	128	4235	132	4193	131	3876	121
DYNAMIC WHITE	4000K/90	SO (36W)	2583	72	2889	80	2991	83	2957	82	2719	76
WARM DIM	2700K/90	SO (36W)	2712	75	3033	84	3140	87	3104	86	2855	79
RGBW	ALL CHANNELS UP	SO (40W)	828	41	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD\*



MAX CANDELA: 1283 DELIVERED LUMENS: 3680 WATTS: 32 LPW: 115

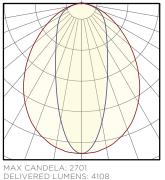
#### WALL WASH\*



MAX CANDELA: 3491 DELIVERED LUMENS: 3876 WATTS: 32 LPW: 121

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

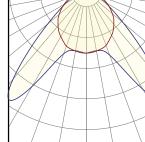
### NARROW FLOOD\*



WATTS: 32 LPW: 128

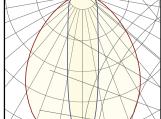
CRI

MULTIPLIER



AISLE LIGHTER\*

MAX CANDELA: 2378 DELIVERED LUMENS: 4235 WATTS: 32 LPW: 132



WALL GRAZE\*

MAX CANDELA: 3714 DELIVERED LUMENS: 4193 WATTS: 32 LPW: 131

90

0.99

90

1

øo

0.98

сст	270	ок	300	ок	350	ок	40	00К	5000K
CRI MULTIPLIER	80 0.93	90 0.79	80 0.96	90 0.82	80 0.97	90 0.85	80 1	90 0.89	80 90 1.01 98
T MULTIP	liers dy	NAMIC	WHITE						
сст	2700K	7	ооок	350		4000K	.	5000K	6000K

90

#### CCT MULTIPLIERS WARM DIM

90

1.09

CCT MULTIPLIERS STATIC WHITE

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

#### POWER LEVEL MULTIPLIERS

POWER	VLO	LO	so	НО	vно
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

90

1.08

PROJEC<sup>®</sup>

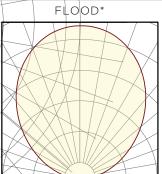
TYPE

# Linear Series - Diamond 1

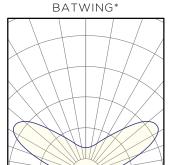
## INDIRECT

### INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

ТҮРЕ	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	SO (32W)	4147	130	4105	128
DYMAMIC WHITE	4000K/90	SO (36W)	2910	81	2874	80
WARMDIM	2700K/90	SO (36W)	3055	85	3018	84
RGBW	ALL CHANNELS UP	SO (40W)	933	47	N/A	N/A



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



#### LUMINAIRE TOTAL LUMENS PER WATT



TOTAL LUMINAIRE LUMENS PER WATT

MAX CANDELA: 1639 DELIVERED LUMENS: 4147 WATTS: 32 PW: 130

MAX CANDELA: 1681 DELIVERED LUMENS: 4105 WATTS: 32 LPW: 128

### CCT MULTIPLIERS STATIC WHITE

сст	270	оок	300	оок	350	ок	40	оок	50	оок
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

сст	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

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

#### POWER LEVEL MULTIPLIERS

POWER	VLO	LO	so	но	VHO
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAIMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

# Linear Series - Diamond 1

#### MOUNTING



#### CABLE SUSPENDED (CS)

This fixture can be a can be a cable suspended down-light and up-light: Bi-Directional (CS), or can be special ordered as a cable suspended static down-light only: Direct Only (CSD). Aircraft cables come in 4ft and 8ft lengths and are field adjustable.



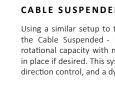
#### CABLE SUSPENDED - ROTATIONAL (CSR)

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.



### **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.





#### SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS). The fixture is mounted on the wall using mounting brackets, giving a static bi-directional up-light and down-light.

#### 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.







FIXTURE WITH CONTINUOUS RUN ROTATIONAL

CONTINUOUS RUN ROTATIONAL







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)



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

PROJECT		
TYPE		

# Linear Series - Diamond 1

### 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.



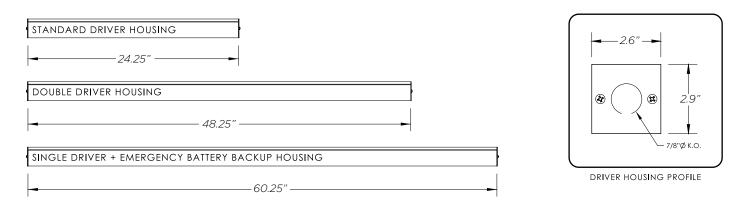
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## Linear Series - Diamond 1

### 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.



#### INSTRUCTIONS

See below for lid removal and installation instructions.

To remove the driver housing lid, use a broad slot 1) Drill mounting holes in the driver housing as needed to screwdriver in the channel as shown here and twist secure to a suitable surface. (If needed, a power feed the screwdriver ninety degrees. This may need to be hole can be drilled into the bottom of the housing for done at both ends of the housing or multiple locations certain mounting/power feed applications). depending on the driver housing length. Slot screwdriver 2) Secure the housing to the surface. (Fasteners by others) 3) Complete wire make-up. 4) Snap extruded lid onto the housing [Snap-fit extruded aluminum driver housing and lid]

PROJECT

ТҮРЕ

# Linear Series - Diamond 1

#### WELDED CORNERS

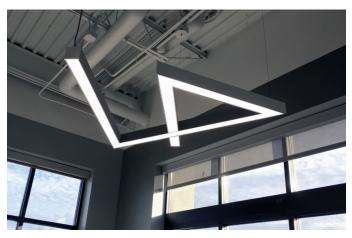
- Luminaire housing is custom mitered & welded for a clean corner appearance
- Lens is also mitered for lens-to-lens interfaces that mirror the mitered housing
- Lens is illuminated to the corner (AKA: lit corners)
- Adjustable aircraft cable suspension system
- High quality powder coated finish (anodized 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.



CUSTOM PATTERN PICTURED

