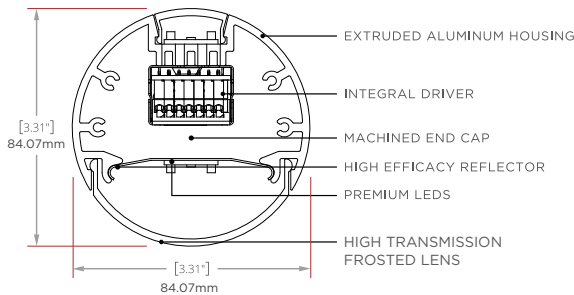


DATE	PROJECT	FIRM	TYPE
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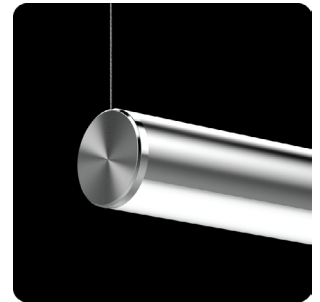
PERFORMANCE

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FTS	EFFICACY LPW	CCT/CRI
VL	2055	1982	4037	32	126	4000/80
L	2881	2778	5659	48	118	4000/80
S	3814	3678	7492	64	117	4000/80
H	4589	4425	9014	80	113	4000/80
VH	5535	5338	10873	96	113	4000/80

CCT MULTIPLIERS STATIC WHITE

CCT	2700K	3000K	3500K	4000K	5000K
CRI	80	90	80	90	80
MULTIPLIER	0.93	0.79	0.96	0.82	0.97



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
- BI-DIRECTIONAL FIXTURE
- UGR<19 IN SELECT OUTPUTS AND CONFIGURATIONS

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



FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT POWER LEVEL ¹	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION	DRIVER
O3.1 Oxygen 3.1	CS Cable Suspended - CSR Cable Suspended Rotational	2 3 4 5 6 7 8 <i>CP^{3,4} Custom Pattern</i> 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	VL Very low L Low S Standard H High VH Very High	F Flood B Batwing	1D 0-10V EldoLED 1% <i>01D 0-10V EldoLED 0.1%</i> <i>LDE1 Lutron Ecosystem 1%</i> <i>LDE5 Lutron Ecosystem 5%</i> <i>1DT (TW)²</i> <i>1DW (WD)²</i> <i>DMX8 Standard 8 bit (RGBW)¹</i> <i>DMX16 Optional 16 bit (RGBW)¹</i> <i>DALI (INTL)</i> <i>IWS (Sensor Fixtures)³</i>
		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 final page for CP specifications guide ⁴ Finish must be powdercoated	¹ Pair only w/ power level(s) = S, beams = F	1. 2ft & 3ft - must have same power output for up and down		1. 2ft & 3ft - must have same power output for up and down		¹ Driver must reside in remote housing ² 0-10V input - CHOOSE DALI instead for INTL versions ³ Integrated Sensor options pair with IWS 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^{1,3,5,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12^{1,4,5,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW^{1,2} Emergency Circuit Wiring WSN⁶ WSN nLight sensor WSE⁶ WSE Enlighted Sensor WSW⁶ WSW Wavelinx Sensor WSL⁶ WSL Lutron Vive Sensor DUAL Dual Circuit
	¹ CSR rotational hardware finish matches end cap finish.			¹ Not available for INTL		¹ EMB/EMW only linked to first section of continuous run ² EMW not available for 2ft/3ft lengths ³ EMB7 - 6ft and up ⁴ EMB12 - 7ft 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:

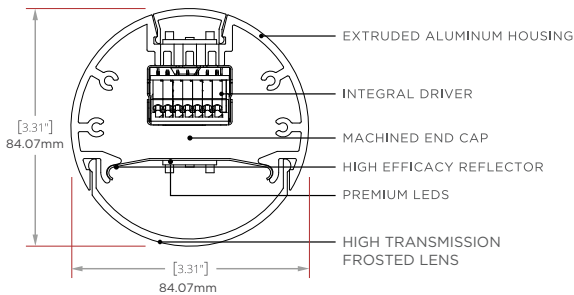
All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.



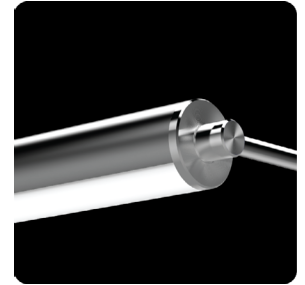
FIXTURE ORIENTATION

Bidirectional (CS) for downlight and uplight applications. Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism.

DATE	PROJECT	FIRM	TYPE
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**FEATURES:**

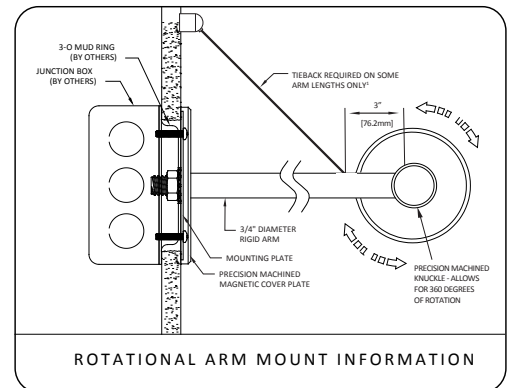
- 3/4" DIAMETER RIGID TUBE MOUNTING SYSTEM
- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- 360 DEGREE ROTATION OPTION WITH MECHANICAL LOCKING



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

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT POWER LEVEL ¹	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION	DRIVER
O3.1 Oxygen 3.1	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>RGBW</i> ¹	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 B Batwing	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> Standard 8 bit (RGBW) ¹ <i>DMX16</i> Optional 16 bit (RGBW) ¹ <i>DALI</i> (INTL) <i>TWS</i> (Sensor Fixtures) ³ 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

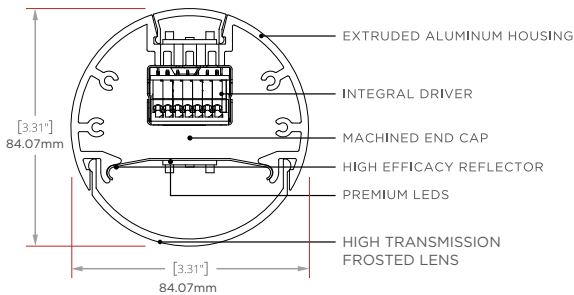
HOUSING FINISH	END CAPS & RAM HARDWARE FINISH	ARM LENGTH NOM (IN)	MOUNTING PLATE	OPTIONS ⁶
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat <i>CF</i> Custom Finish (Consult Factory)	MF Machined Finish SW Satin White MB Matte Black <i>CF</i> Custom Finish (Consult Factory)	3 6 ¹ 9 ¹ 12 ¹ 1. Includes Mounting Tieback	4CPF	EMB7 ^{1,3,5,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4,5,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wiring <i>WSN</i> ⁶ WSN nLight sensor <i>WSE</i> ⁶ WSE Enlighted Sensor <i>WSW</i> ⁶ WSW Wavelinx Sensor <i>WSL</i> ⁶ WSL Lutron Vive Sensor <i>DUAL</i> Dual Circuit 1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 - 6ft and up 4. EMB12 - 7ft 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.

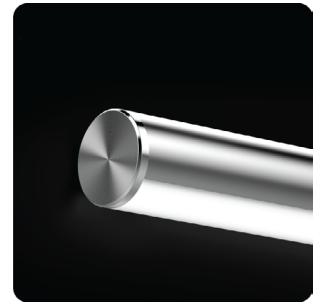


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FEATURES:

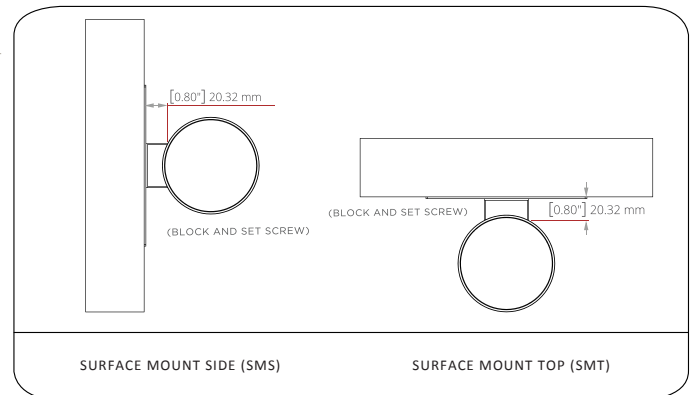
- WALL MOUNTING SYSTEM WITH PRE LOCATED FIXTURE HARDWARE FOR EASY SURFACE INSTALL
- HIGH TRANSMISSION FROSTED LENSES
- 1% DIMMING DRIVERS STANDARD
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL



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

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT POWER LEVEL ¹	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION	DRIVER
O3.1 Oxygen 3.1	SMS Surface Mount Side SMSE Surface Mount Side - International	2 3 4 5 6 7 8 CR¹ Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 TW2765 WD1827 RGBW¹	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 B Batwing	1D 0-10V EldoLED 1% 01D 0-10V EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% 1DT (TW) ² 1DW (WD) ² DMX8 Standard 8 bit (RGBW) ¹ DMX16 Optional 16 bit (RGBW) ¹ DALI (INTL) TWS (Sensor Fixtures) ³
		1. Power feed is always first section of a continuous run	1. Pair only w/ power level(s) = S, beams = F	1. 2ft & 3ft - must have same power output for up and down		1. 2ft & 3ft - must have same power output for up and down		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	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)	EMB7^{1,3,5,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12^{1,4,5,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW^{1,2} Emergency Circuit Wiring WSN⁶ WSN nLight sensor WSE⁶ WSE Enlightened Sensor WSW⁶ WSW Wavelinx Sensor WSL⁶ WSL Lutron Vive Sensor
		1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 - 6ft and up 4. EMB12 - 7ft 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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BIDIRECTIONAL

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI	CCT	80CRI	90CRI
VL	2055	1982	4037	32	126	4000/80	2700K	0.93	0.79
L	2881	2778	5659	48	118	4000/80	3000K	0.96	0.82
S	3814	3678	7492	64	117	4000/80	3500K	0.97	0.85
H	4589	4425	9014	80	113	4000/80	4000K	1.00	0.89
VH	5535	5338	10873	96	113	4000/80	5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT	CCT	CCT
VL	1442	1391	2833	48	59	4000/90	2700K	1.09
L	2022	1950	3972	64	62	4000/90	3000K	1.08
S	2677	2581	5258	72	73	4000/90	3500K	1.03
H	3221	3106	6327	88	72	4000/90	4000K	1.00
VH	3885	3746	7631	96	79	4000/90	5000K	0.99
							6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	CCT	CCT
VL	1514	1460	2975	48	62	2700/90	1800K	0.02
L	2123	2047	4170	64	65	2700/90	2250K	0.17
S	2810	2710	5520	72	77	2700/90	2700K	1.00
H	3381	3261	6642	88	75	2700/90		
VH	4079	3933	8012	96	83	2700/90		

RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS	POWER LEVELS
S	White	371	358.0	730	20	36	4000
S	All	858	827.7	1686	40	42	N/A

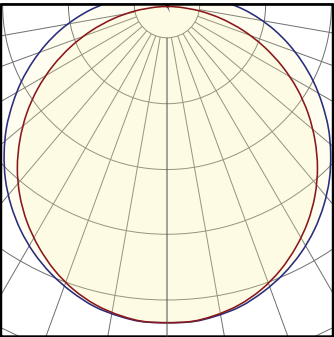
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DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW
STATIC WHITE	4000K/80	S (32W)	3814	119
DYNAMIC WHITE	4000K/90	S (36W)	2677	74
WARM DIM	2700K/90	S (36W)	2810	78
RGBW	ALL CHANNELS UP	S (20W)	858	43

FLOOD*



MAX CANDELA: 1093
DELIVERED LUMENS: 3814
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
DYNAMIIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

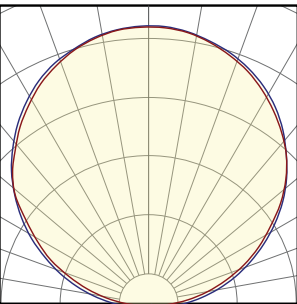
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INDIRECT

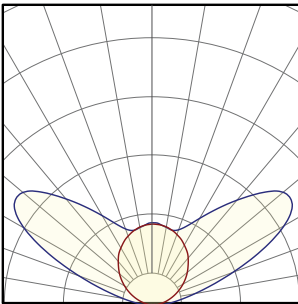
INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

TYPE	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	3678	115	3451	108
DYNAMIC WHITE	4000K/90	S (36W)	2581	72	2443	68
WARM DIM	2700K/90	S (36W)	2710	75	2565	71
RGBW	ALL CHANNELS UP	S (20W)	N/A	41	N/A	N/A

FLOOD* LUMINAIRE TOTAL LUMENS PER WATT



MAX CANDELA: 1171
DELIVERED LUMENS: 3678
WATTS: 32
LPW: 115



MAX CANDELA: 1406
DELIVERED LUMENS: 3451
WATTS: 32
LPW: 108

(DIRECT LUMENS/FT + INDIRECT LUMENS/FT)
x FIXTURE TOTAL LINEAR FT

(DIRECT WATTS/FT + INDIRECT WATTS/FT)
x FIXTURE TOTAL LINEAR FT

=

TOTAL
LUMINAIRE
LUMENS
PER WATT

*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



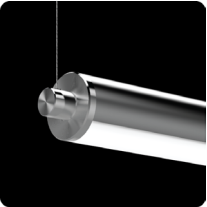
CABLE SUSPENDED (CS)

This fixture 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.



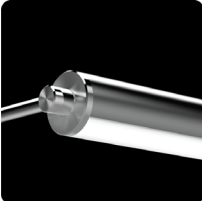
SURFACE MOUNT SIDE (SMS)

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



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 3/4" 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 powerfeed 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.

LUMINAIRE



SATIN CLEAR ANODIZING

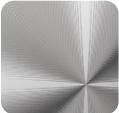


RAL 9005
MATTE BLACK



RAL 9003
SATIN WHITE

HARDWARE



MACHINED COMPONENTS



RAL 9005
MATTE BLACK



RAL 9003
SATIN WHITE

CUSTOM



BRONZE



COLOR ANODIZE



SPECULAR



RAL COLORS

SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries 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.

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).

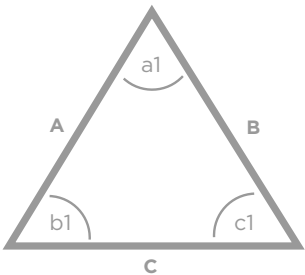
CUSTOMER INSTRUCTIONS

- 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.

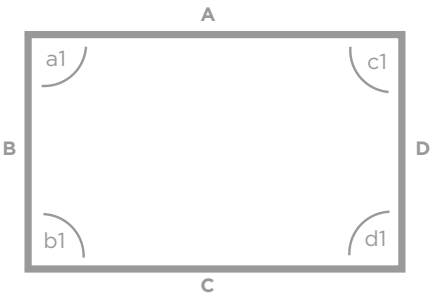


NITROGEN 3 CUSTOM PATTERN PICTURED

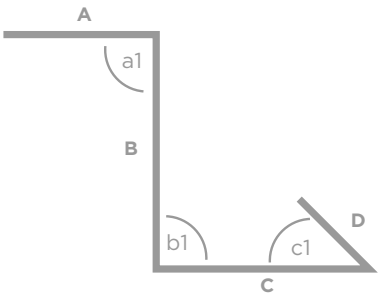
EXAMPLES:



- 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