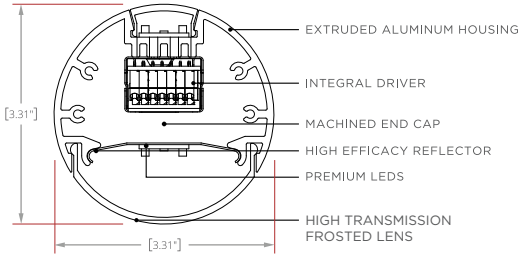


OXYGEN 3.1

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CABLE SUSPENDED CS



PERFORMANCE

POWER LEVELS	STATIC WHITE FLOOD DIRECT & FLOOD INDIRECT		TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT				
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	
	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
- BI-DIRECTIONAL FIXTURE



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 CSD Cable Suspended Direct Only	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 TW2765 WD1827 RGBW 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 EidoLED 1% 01D EidoLED 0.1% LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% 1DT (TW) 1DW (WD) DMX (RGBW) ¹ DALI (INTL)
				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

HOUSING FINISH	END CAPS FINISH ¹	CANOPY SIZE	CANOPY FINISH	POWER CORD	CABLE LENGTH	OPTIONS
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat	MF Machined Finish SW Satin White MB Matte Black	44 4" Power feed canopy 4" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed 41 4" Power feed canopy 1" Non-power feed canopy	MF Machine Finish SW Satin White MB Matte Black	W White G Gray B Black	4 4' 8 8'	EMB7 ^{1,3,5} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4,5} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wiring WSN WSN nLight sensor WSE WSE Enlighted Sensor WSW WSW Wavelinx Sensor WSL WSL Lutron Vive Sensor DUAL Dual Circuit
	1. CSR rotational hardware finish matches end cap finish.					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

NOTE: All italicized options may increase lead time. Please consult factory with questions.

GENERAL
All fixtures are UL listed for dry and damp locations. 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.

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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
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 WH

CCT	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	0.89
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
VL	1442	1391	2833	48	59	4000/90
L	2022	1950	3972	64	62	4000/90
S	2677	2581	5258	72	73	4000/90
H	3221	3106	6327	88	72	4000/90
VH	3885	3746	7631	96	79	4000/90

CCT MULTIPLIERS, DYNAMIC WH

CCT	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	1.00
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT
VL	1514	1460	2975	48	62	2700/90
L	2123	2047	4170	64	65	2700/90
S	2810	2710	5520	72	77	2700/90
H	3381	3261	6642	88	75	2700/90
VH	4079	3933	8012	96	83	2700/90

CCT MULTIPLIERS, WARM DIM

CCT	90CRI
1800K	0.02
2250K	0.17
2700K	1.00

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	CCT
S	White	371	358.1	730	20	36	4000
S	All	858	827.7	1686	40	42	N/A

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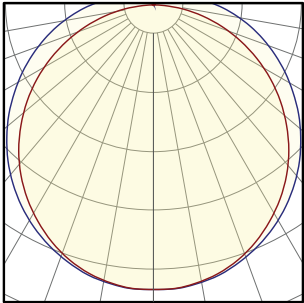
DATE	PROJECT	FIRM	TYPE
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DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

TYPE	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW
STATIC WHITE	4000K/80	S (32W)	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
DYNAMIC 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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PHOTOMETRIC DATA

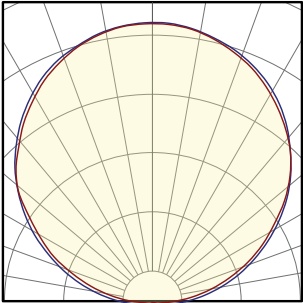
DATE	PROJECT	FIRM	TYPE
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INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

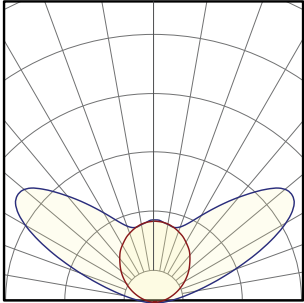
TYPE	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	S (32W)	3678	115	3451	108
DYNAMIC WHITE	4000K/90	S (36W)	2581	72	2443	68
WARM DIM	2700K/90	S (36W)	2710	75	2565	71
RGBW	ALL CHANNELS UP	S (20W)	828	41	N/A	N/A

FLOOD*



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

BATWING*



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

LUMINAIRE TOTAL LUMENS PER WATT

$$\frac{(\text{DIRECT LUMENS/FT} + \text{INDIRECT LUMENS/FT}) \times \text{FIXTURE TOTAL LINEAR FT}}{(\text{DIRECT WATTS/FT} + \text{INDIRECT WATTS/FT}) \times \text{FIXTURE TOTAL LINEAR FT}} = \text{TOTAL LUMINAIRE LUMENS PER WATT}$$

*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

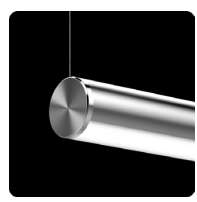
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OPTIONS GUIDE

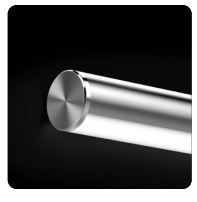
DATE	PROJECT	FIRM	TYPE
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MOUNTING



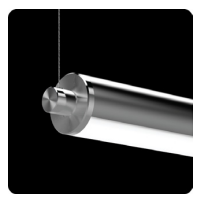
CABLE SUSPENDED (CS)

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.



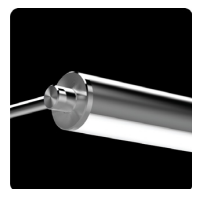
SURFACE MOUNT SIDE (SMS)

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.



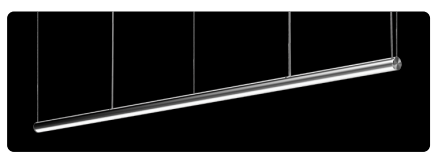
ROTATIONAL ARM MOUNT (RAM)

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



FIXTURE WITH CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL



CONTINUOUS RUN ROTATIONAL (SPIRAL EFFECT)



CONTINUOUS RUN SINGLE SEAM

CANOPIES

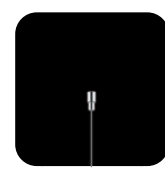
SATIN WHITE (SW) MATTE BLACK MACHINE FINISH (MF)



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.

	Project 21-12877-3 Date 6/25/2021 RGB/W Saturated Color	Catalog Number O3.1-CS-2-RGBW-S-G-S-F-DMX16-SC-SW-44-SW-W-4	Type
	Submitted By 16500, INC	Notes	

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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

STANDARD



MATTE BLACK



SATIN WHITE

CUSTOM



BRONZE



COLOR ANODIZE

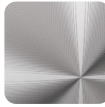


SPECULAR



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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