

Tantalum

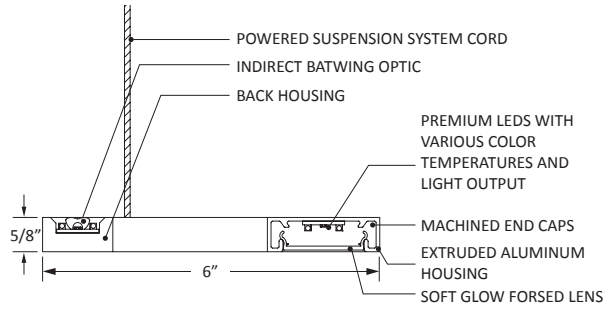
CABLE SUSPENDED (CS)

FEATURES:

- Hollow center for a open and airy aesthetic
- Powered Suspension System - No power cord
- Indirect Batwing optic
- No visible fasteners
- Extruded aluminum and stainless steel housings
- Dimmable/Programmable drivers for controllable light output
- Under 2 steps MacAdams Ellipse Binning
- Machined end caps
- Offset bi-directional fixture
- 360° rotation option- with mechanical locking
- Dual circuit/Switching options

NOTES:

- **REQUIRES REMOTE DRIVER(S)** (see page 3 for more info)



PRODUCT SPECIFICATION

NOTE: All options *italicized in gray* may increase lead times and/or incur higher costs - please consult factory with questions.

FIXTURE TYPE	MOUNTING/ ORIENTATION	NOMINAL LENGTH*	COLOR TEMP	LED DRIVE POWER		VOLTAGE	DRIVER	HOUSING FINISH
Ta				DIRECT	INDIRECT			
Ta Tantalum	CS Cable Suspended - BI-DIRECTIONAL CSD Cable Suspended - DIRECT ONLY CSR Cable Suspended - ROTATIONAL	1' 1'-1-3/8" 2' 2'-1-3/8" 3' 3'-1-3/8" 4' 4'-1-3/8" CR Continuous Run (Specify length in nominal feet)	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	VLO Very Low Output 385 lumens/ft. (4w/ft.) LO Low Output 585 lumens/ft. (6w/ft.) SO Standard Output 765 lumens/ft. (8w/ft.) HO High Output 960 lumens/ft. (10w/ft.) VHO Very High Output 1,115 lumens/ft. (12w/ft.) CPO Custom Power Output Consult factory	VLO Very Low Output 455 lumens/ft. (4w/ft.) LO Low Output 685 lumens/ft. (6w/ft.) SO Standard Output 900 lumens/ft. (8w/ft.) HO High Output 1,125 lumens/ft. (10w/ft.) VHO Very High Output 1,310 lumens/ft. (12w/ft.) CPO Custom Power Output Consult factory	UNV Universal (120-277v)	ND Non-Dimming 0-10v DIMMING 10D 10% DIM 1D 1% DIM LUTRON LTEA Lutron Hi-Lume 1% (2-Wire) LDE1 Lutron EcoSystem 1% "Soft on" (Digital) LDES Lutron EcoSystem 5% 5-Series (Digital) DALI DALI Digital Addressable Lighting Interface	SW Satin White (Powder Coat) MB Matte Black (Powder Coat) SS Satin Silver CF Custom Finish* (Consult Factory)
*Dimensions are for reference only. Contact factory for more specific information or shop drawings. **Odd lengths may incur slightly higher per foot pricing.			*Not Applicable with CSD option. DIRECT ONLY.			*RAL and color match are available.		

END CAP FINISH	DRIVER HOUSING FINISH	END CAP	CANOPY SIZE OPTIONS*	CANOPY FINISH	POWER CORD COLOR	AIRCRAFT CABLE LENGTH*	OPTIONS/ CUSTOMIZATION*
MF Machined Finish (Standard) SW Satin White (Powder Coat) MB Matte Black (Powder Coat) SS Satin Silver	MA Mill Aluminum* SC Satin Clear SW Satin White SB Satin Black CF Custom Finish (Consult Factory)	C Curved SQ Squared	5 5" Power feed canopy 5" Non-power feed canopy 52 5" Power feed canopy 2" Non-power feed canopy 50 5" Power feed canopy Canopy only at power feed 44 4" Power feed canopy 4" Non-power feed canopy 41 4" Power feed canopy 1" Non-power feed canopy 40 4" Power feed canopy Canopy only at power feed *CONTINUOUS RUNS REQUIRE THE 55" OR THE 44" OPTION. CONSULT FACTORY WITH QUESTIONS. *See options section and installation instructions for more information.	SW Satin White (Standard) CPC Custom Powder Coat Canopy Finish* MF Machine Finish (Standard) SW Satin White CF Custom Finish*	PSS Powerd Suspension System (No Power Cord) CC Custom Cord*	2 2' 4 4' 6 6' 8 8' CL Custom Length** (Specify in feet IE: CL10 for 10')	XX No EMB or Customization EMB7 7 Watt battery back-up** (Approximately 600 lumens) EMB12 12 Watt battery back-up** (Approximately 1,000 lumens) 90 90+ CRI LED BOARDS (2700K - 4000K only) CCP Corners/patterns* CD Custom Driver* CR Customization Requested*
NOTE: MF option is strongly recommended. Other options will result in higher costs and potentially longer lead times.			*Just about any finish is possible. For the 4" machined canopies, MF is strongly recommended. Contact the factory with questions or requests.			*Cables are field adjustable. ** Consult factory to confirm specific length.	
*Most cost effective.			*Consult factory to confirm specific color.			NOTE: Customization may incur higher costs and/or increased lead times. *Consult the factory for all custom options or custom concept requests. **The EMB12 is slightly more expensive than the EMB7 option (BOTH OPTIONS ARE REMOTE ONLY).	

SPECIFICATION INFORMATION

GENERAL NOTES:

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

REMOTE DRIVER for all options.

Please contact the factory with any specification questions.

Italicized grayed out options may incur additional costs and/or extended lead times. Please consult the factory.

FIXTURE ORIENTATION:

Bi-Directional (CS) for downlight and upright applications.

Direct (CSD) for ONLY downlight applications.

Rotational (CSR) for adjustable applications: 360 degree rotational capacity with locking mechanism.

DRIVER: [REMOTE]

1) NON-DIMMING: As described... this fixture will not dim.

2) DIMMING: 0-10v: 1%, 10% :: Lutron: 2-wire Forward phase (Hi-Lume 1%, Ecosystem to 1% (Soft On), Ecosystem to 5% (5 Series). "DALI" - Specify driver. See "Dimming Options" on subsequent pages for more information. For other dimming options, consult the factory.

3) EMERGENCY: Specify EMB under the Options/Customization category at the end of the cut sheet along with the desired lumen output (600 or 1,000 lumens - the latter is slightly more costly).

4) Drivers are programmed according to our standard lumen packages or to custom watt/lumen package requirements.

5) Consult factory with any questions or specification requirements.

FINISHES:

The standard finish is a Satin White, Matte Black or Satin Silver housing with Machine Finished hardware. Machined finish is preferable for machined components (Hardware Detail) - Powder coating these parts may result in additional costs. Consult the factory with any questions about standard or custom finishing options.

CUSTOMIZATION:

We have numerous custom options available. However, if there is something unique required for a project, from simple options to complete custom requests, we are more than willing to entertain any creative notions you might have. Just ask.



Tantalum

PHOTOMETRIC DATA

PRODUCT SPECIFICATION

- Fixture delivered light potential: 106 Lumens/Watt*
- Uniform light distribution
- 90+ CRI LED diode options
- Exceptional binning- less than 2 step MacAdams Ellipse
- Minimum 70% initial lumen output at 70,000 hours
- Standard 0-10v dimming to %10
- Lutron, Eldoed, Dali, and other dimming options
- 5 year system warranty

*Actual fixture efficacy will be dependent on specification. Higher lumens per watt are achieved with lower drive powers. Please contact the factory with questions or for more information.

LUMEN OUTPUT*

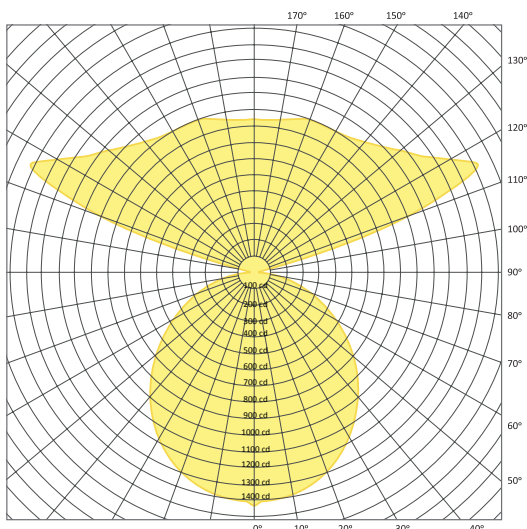
DRIVER OUTPUT	LUMEN OUTPUT (PER FOOT)			
	— DIRECT —		— INDIRECT —	
	WATTAGE	LUMENS	WATTAGE	LUMENS
VERY LOW	4	385	4	455
LOW (LO)	6	585	6	685
STANDARD	8	765	8	900
HIGH	10	960	10	1,125
VERY HIGH	12	1,085	12	1,310

DRIVER OUTPUT	LUMEN OUTPUT (PER FOOT)			
	— DIRECT —		— INDIRECT —	
	WATTAGE	LUMENS	WATTAGE	LUMENS
VERY LOW	16	1,540	16	1,820
LOW (LO)	24	2,340	24	2,740
STANDARD	32	3,060	32	3,600
HIGH	40	3,840	40	4,500
VERY HIGH	48	4,340	48	5,240

- **VERY LOW:** Considerably underdrives the LEDs to maximize fixture efficacy potential and limit wattage use.
- **LOW:** Underdrives the LEDs for reasonable light output while maintaining low wattage use.
- **STANDARD:** Drives the LEDs for the best combination of lumen output and fixture efficacy.
- **HIGH:** Drive the LEDs at higher capacity for higher lumen output with good efficacy.
- **VERY HIGH:** Drives the LEDs at the highest capacity for the highest lumen output with the best efficacy.

*Lumen output will vary depending on ambient temperature. Cooler ambient and LED color temperatures result in higher luminaire performance. Calculations are based on 4000K LEDs.

LUMINOUS INTENSITY DISTRIBUTION



FIXTURE PROPERTIES (AS TESTED)

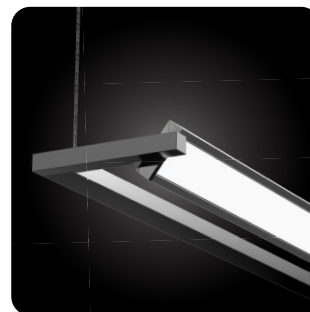
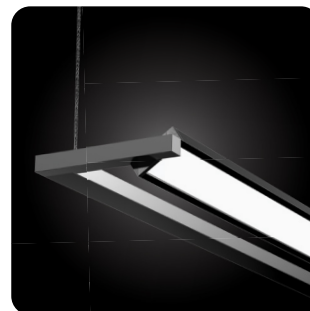
- 4' nominal length fixture
- Standard Output (SO)
- Total system energy consumption: 64 Watt
- 106 Lumens/Watt
- 4000K 80 CRI LED

ZONAL LUMEN SUMMARY

ZONE	LUMEN	%LAMP	%FIXTURE
0 - 30	778	8.5%	9.4%
0 - 40	1,342	14.6%	16.3%
0 - 60	2,773	30.2%	33.6%
0 - 90	3,858	42%	46.8%
90 - 120	872	9.5%	10.6%
90 - 150	2,977	32.4%	36.1%
90 - 180	4,393	47.8%	53.3%
0 - 180	8,249	89.8%	100%



SQUARED END CAP



ROTATIONAL

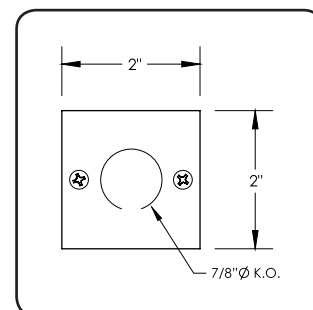
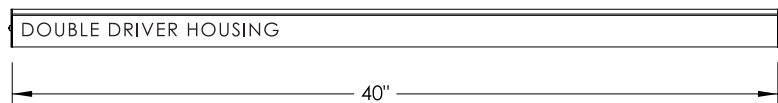


REMOTE DRIVER HOUSING INFORMATION



REMOTE DRIVER HOUSING SIZES

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.

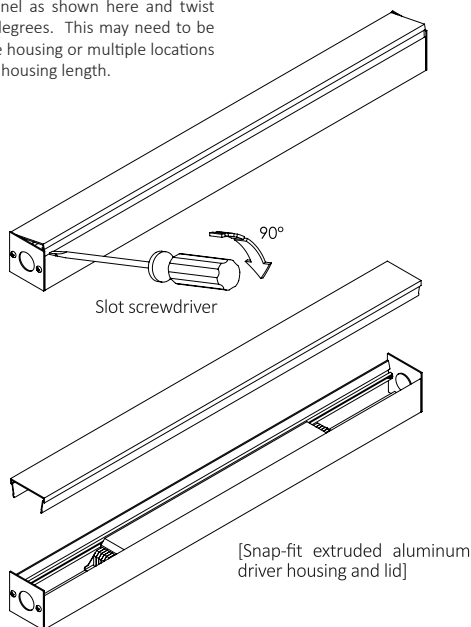


DRIVER HOUSING PROFILE

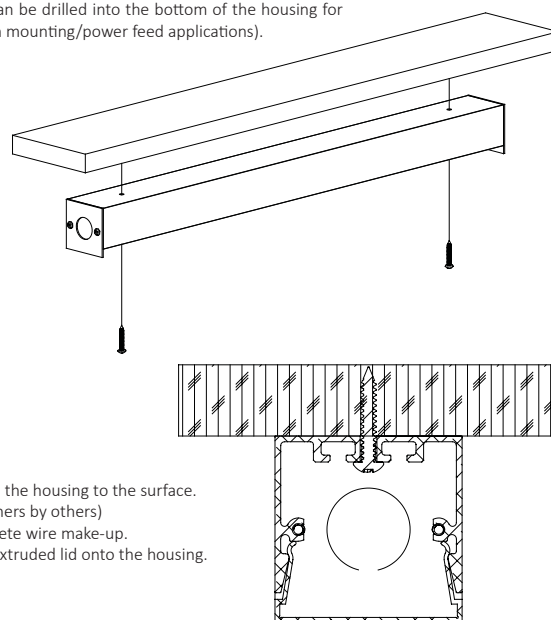
INSTRUCTIONS

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.
- 4) Snap extruded lid onto the housing.

FINISHES

Mill Aluminum (MA) is the standard finish. Satin White and Satin Black powder coat and Satin Clear anodized finishes can be done for a small charge. Custom finishes are possible. Contact the factory for specific finish options, specific requests, RAL colors, or any other questions.



Mill Aluminum (MA)
[Standard Finish]



Satin White (SW)
[Upgrade Finish]



Satin Black (SB)
[Upgrade Finish]



Satin Clear (SC)
[Upgrade Finish]



Custom Finish (CF)
[Upgrade Finish]



NOTES

Other options are possible. Please contact the factory with custom requests.

