



Barbican's FOM checks all the boxes for use in general lighting applications where performance, aesthetic, scale, design and budget are a concern. 2-Core LED technology provides excellent low-glare performance by delivering soft and even illumination on walls, and work surfaces while providing subtle up lighting to avoid the 'cave effect' of direct only fixtures.

The **FOM** system allows for many configurations to fit any space you have. Using the FOM linear system is a cost effective alternative to traditional direct/indirect linear fixtures. Our multi-LED core on the direct side offers improved lateral light distribution for even horizontal light levels, as well as improved vertical illumination in a low glare and visually interesting form.



RELATED PRODUCT / ADAPTORS / ACCESSORIES



Single Pendant



Linear Array - Flush Seam



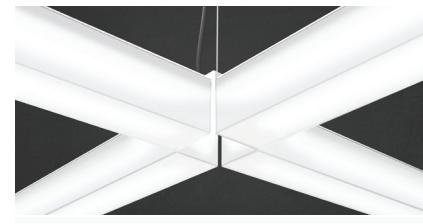
Linear Array - Connector Block



L-Corner



T-Corner



X-Corner

AVAILABLE FINISH OPTIONS

Metal



Barbican Lighting - HQ
479 Central Avenue
Fort Erie, ON, CA, L2A 3T9

Barbican Lighting - USA
266 Elmwood Avenue, Unit #386
Buffalo, NY, 14222

SPECIFICATION (1/2)

Fixture	Width	Height	Length	Mounting	Driver Location	
25-02						
25-02 FOM Diamond	8.5W 8.5" 12.5W 12.5"	3H 3" 4.6H 4.625"	12L 12" 24L 24" 36L 36" 48L 48"	60L 60" 72L 72" 84L 84" 96L 96"	ACM Aircraft Cable SFM Surface Mount* Consult factory for surface mounting * Requires "RD" Remote Driver option	SRDL Surface Rectangular Canopy SEDL Surface Rectangular Side Entry RADL Remote Acoustic Ceiling RHDL Remote Hard Ceiling ADDL ACT Remote Driver FCDL Flush Ceiling

Voltage	Canopy Finish	End Cap Finish	Ceiling Finishing Plate	Power Cable Finish	Color Temperature
UNV		WEC			
UNV 120/277 Volts Consult factory for other voltages	WCF BCF White Black	WEC	White	NOFP None WFP White BFP Black	White Sources 2700K 2700K 3000K 3000K 3500K 3500K 4000K 4000K 3000FS Full Spectrum 3000K 3500FS Full Spectrum 3500K Full spectrum .95 reduced output contact factory 2765K Tunable White* 2700K - 6500K CUSK Custom CT*

Color Rendering	Delivered Output	Options Continued on Next Page
90CRI		
90CRI 90+ CRI Full Spectrum CRI is min 95+ R1-R15 CRI min 90+	<p>White Sources Static/Tunable</p> <p>0440LM Standard 440 lm/ft (4W/ft) 0660LM Standard 660 lm/ft (6W/ft) 0880LM Standard 880 lm/ft (8W/ft) 1100LM Standard 1100 lm/ft (10W/ft) 1320LM Standard 1320 lm/ft (12W/ft) 1760LM Standard 1760 lm/ft (16W/ft) 2200LM Standard 2200 lm/ft (20W/ft)</p> <p>CUSLM Custom Lumen Output* 200lm/ft - 2200lm/ft; Consult factory for outputs outside of this range</p> <p>RGB / RGBW Sources</p> <p>13WO Standard 13W/ft See page 3 for efficiency, W/ft and output details</p> <p>Separate indirect light option available. Consult factory for details.</p>	▼ ▼ ▼ ▼

SPECIFICATION (2/2)

Dimming Driver	Modular Configuration*	Configuration Adaptors*
<p>White Sources Static</p> <p>S010V10 Standard 0-10V, 10% S010V01 Standard 0-10V, 1%, (dim to off) EDALI01 DALI control, 0.1% LECO01 Lutron Ecosystem, 1% SOFTB, (Soft-on, Fade-to-Black)</p>	<p>White Sources Tunable</p> <p>TW010V Tunable White 2-Channel 0-10V TWDALI Tunable White DALI control LECOTW Lutron Ecosystem, 1%, Tunable White – T series</p> <p>RGB / RGBW Sources</p> <p>EDMX01 DMX, 0.1%</p> <p>CUSDD Other Driver Options <small>Consult factory for availability of other driver options (including POE and Camera Safe)</small></p>	<p>NOMC No Configuration MC Configuration <small>Drawings Required.</small></p> <p>* See following pages for corners and configuration options</p> <p>NOCA No Adaptor LPGCA Linear Purpose Gap LNGCA Linear No Gap 90LCA 90° L-Corner** 90TCA 90° T-Corner** 90XCA 90° X-Corner** CUSCA Custom Corner <small>Consult factory</small></p> <p>* Drawings Required Finishes match End Cap Finish</p> <p>** Quantity Required</p>

WRITTEN SPECIFICATIONS

LED System

- LED Circuitry is applied to minimum 0.0625" thick aluminum extruded top plate for excellent heat management. Fixture uses **Two-Core Technology** to provide efficient, even illumination through 270 degrees.
- LEDs are 90+ CRI, 3 SDCM.
- 4 foot fixture performance at 3000K 90CRI, 6896lms, 61.44 Watts, 112 LPW Delivered

Construction

- Diffuser: 0.116" PETG (polyethylene terephthalate glycol-modified); which is a variant of PET used in water bottles everywhere. Designed to be used in environments where high levels of disinfectant products are used. It is also has a much higher impact resistance than Acrylic and is available up to 10 feet in single lengths.
 - Barbican uses a proprietary diffusion formula PETG which in conjunction with the LED system provides excellent efficiencies of up to 112 lumens per watt at 3000K 90+ CRI.
- Metal construction to be aluminum minimum 0.0625" thickness. Fasteners are to be stainless steel.
- Cable grippers are nickel plated solid brass and stainless steel. Cables are 1/16" stainless steel.
- Canopies and driver housings are minimum 0.0625" aluminum.

Mounting

- Surface cable mounts are nickel plated solid brass and are supplied with escutcheon plates for through surface power cables. Power cables are low voltage from the canopy/remote mounted drivers.
- Drivers: All drivers are mounted remote from the fixture. Standard drivers include 0-10V 10% dimming 120/277V with Power Factor of >0.9. Barbican works with most Control and Driver manufacturers including POE and can easily modify the driver housings for special control gear. Fixtures over 96W may require more than one driver per fixture. Maximum standard length of lead is 12', longer lengths available, contact factory.
- Emergency fixtures are supplied with leads and KO for UL924 relays (by others). Battery back up will usually only drive one of two cores in larger fixtures to maintain the 90 minute requirement. Maximum distance driver to fixture 15 feet.
- Labels: ETL US and Canada, CE Europe and Middle East (Dry, Damp indoor use only)
- Finish: Polyester Powder Coated standard, Hand Brushed Aluminum
- Lumen Maintenance: Reported L90 > 10,000hrs, Calculated > 60,000hrs (TM-21)
- Warranty: 5 years limited at 25 Celsius. Contact Barbican for additional information.

Other

- Natatorium rating possible. Consult factory for details.

LABELS



ETL/CE
Listed

Dry/Damp
Rated



5
Years
5-Year
Warranty



Power Over
Ethernet



Tunable
White

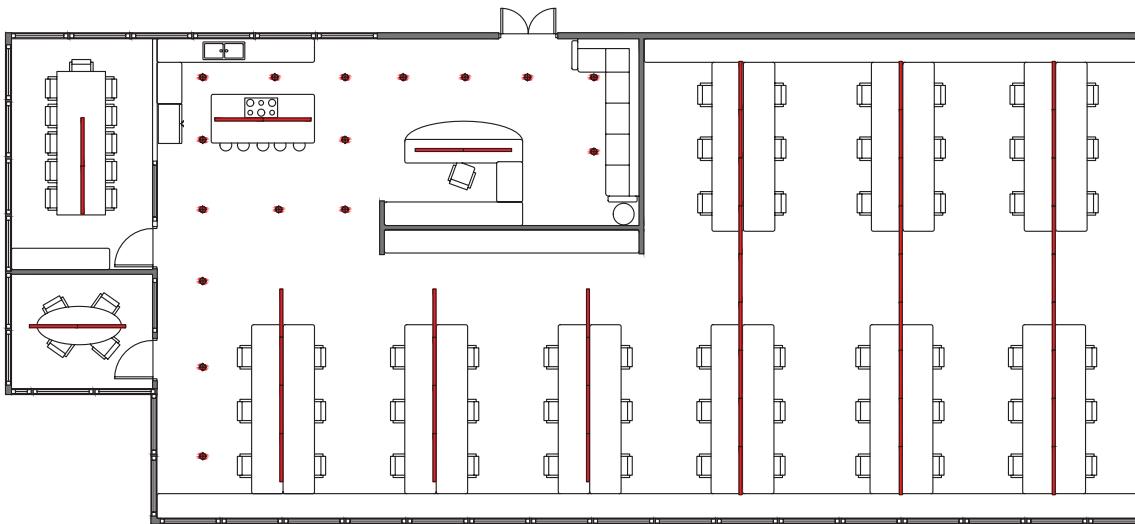


RGBW
Color Tuning

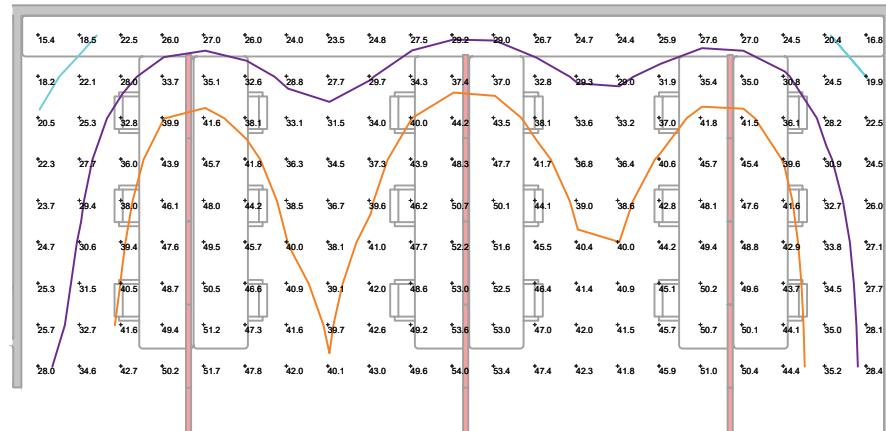
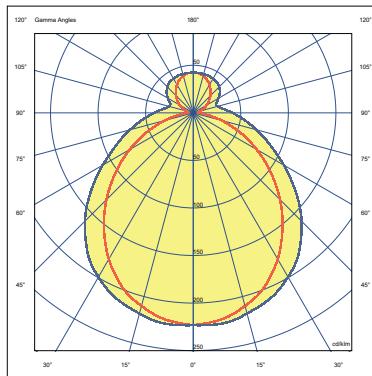
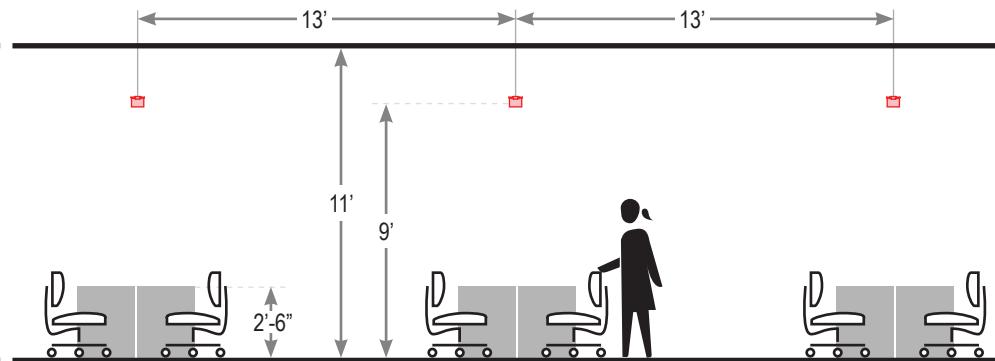


Full
Spectrum

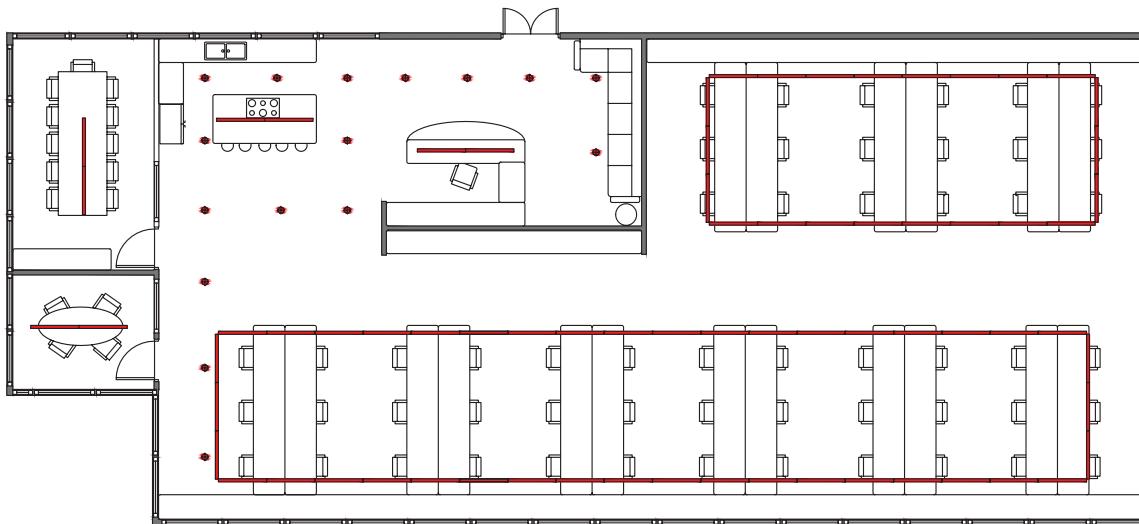
EXAMPLE LAYOUT (1/2)



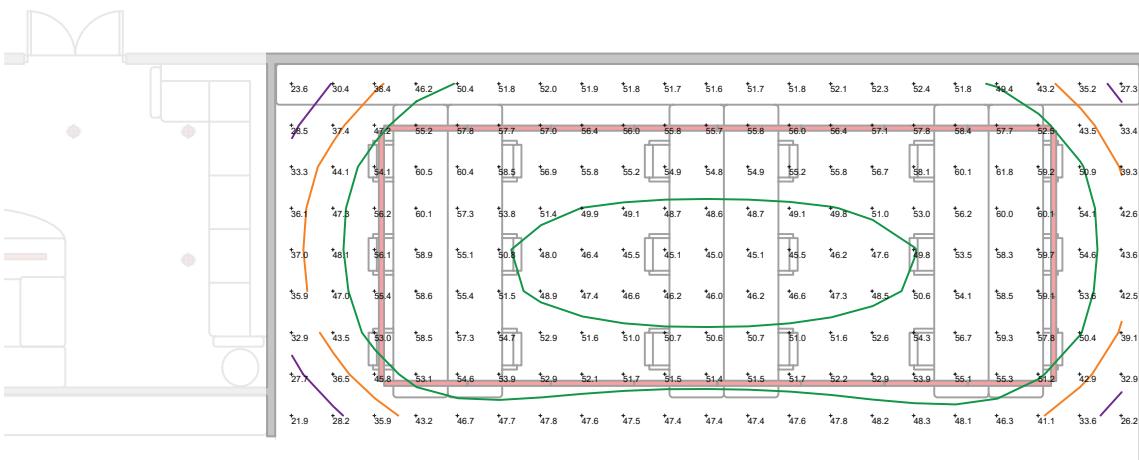
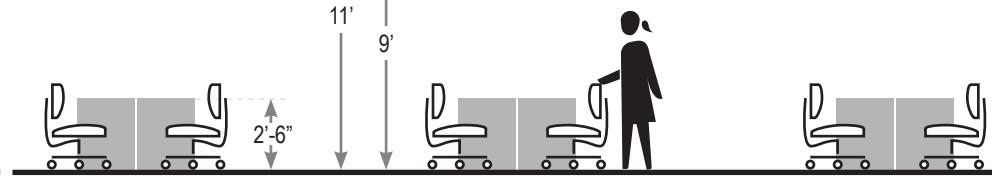
Mounting Height: 9'-0" AFF
Workplane Height: 2'-6" AFF
Suspension Length: 2'-0"
Spacing: 13'-0"
Fixture Specs: 3" x 3"
 660 lm/ft (6W/ft)
 3000K
Reflectances (%): 80/50/20
 Ceiling/Wall/Floor
UGR: <17
 CIE 190:2010



EXAMPLE LAYOUT (1/2)



Mounting Height:	9'-0" AFF
Workplane Height:	2'-6" AFF
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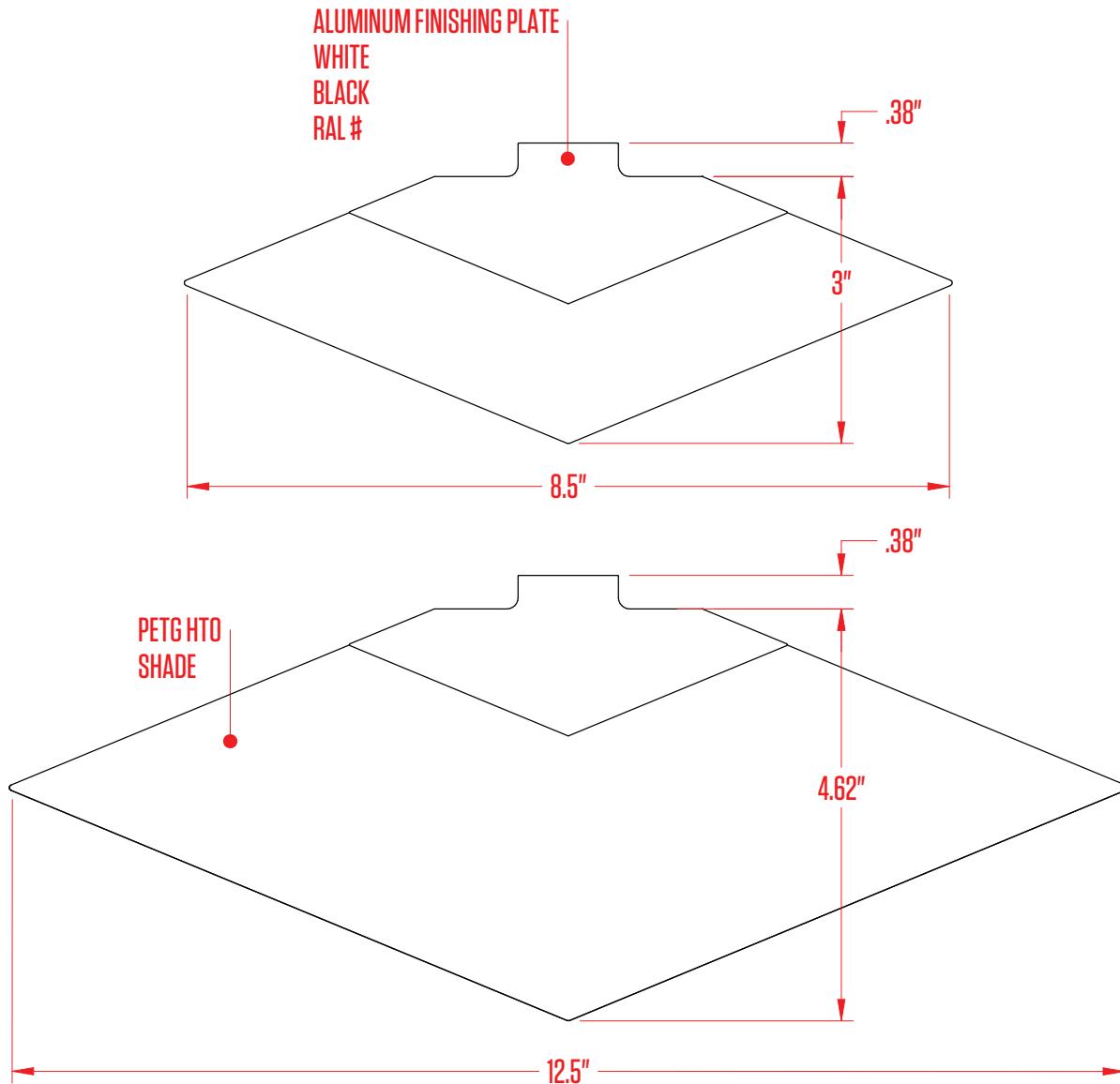


APPLICATIONS



FIXTURE CONFIGURATIONS

Standard Cross Sections



SPECIFICATION DETAILS (cont.)

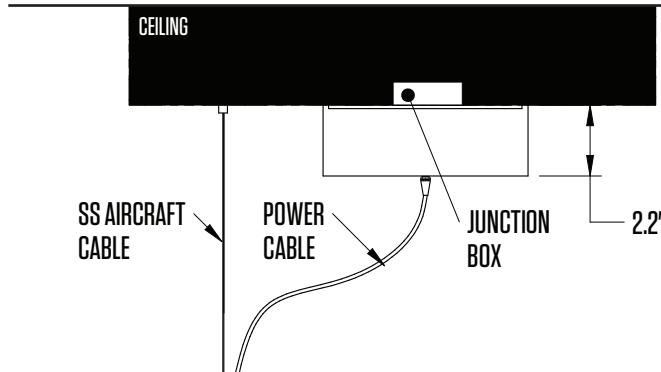
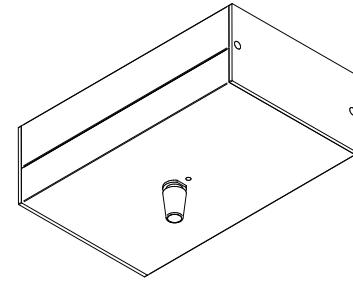
**Surface Rectangular Canopy
(SRDL)**



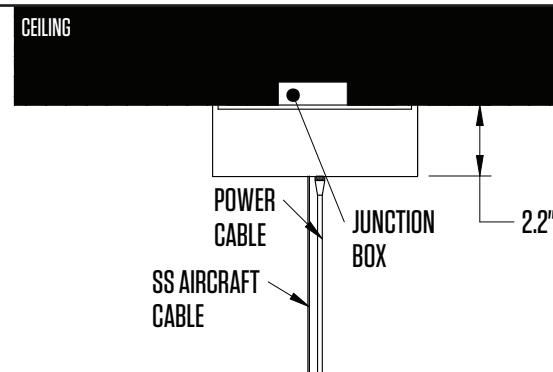
White Power Cord



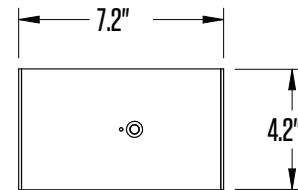
Black Power Cord



Offset Surface Ceiling Location Mounting Side View



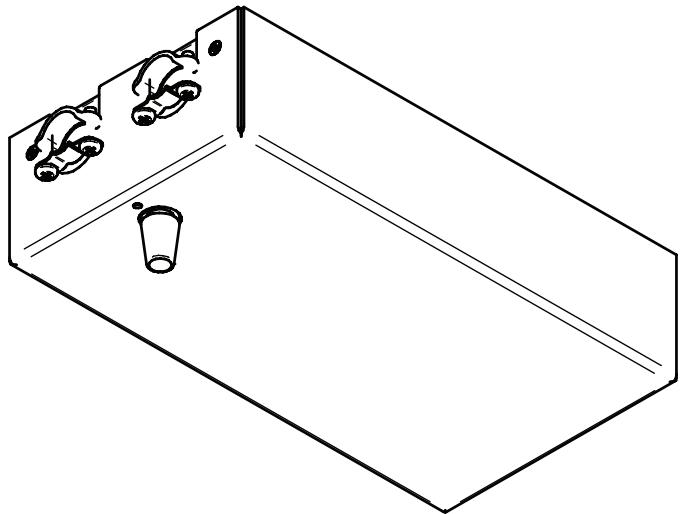
Surface Ceiling Location Mounting Side View



Surface Ceiling Location Mounting Bottom View

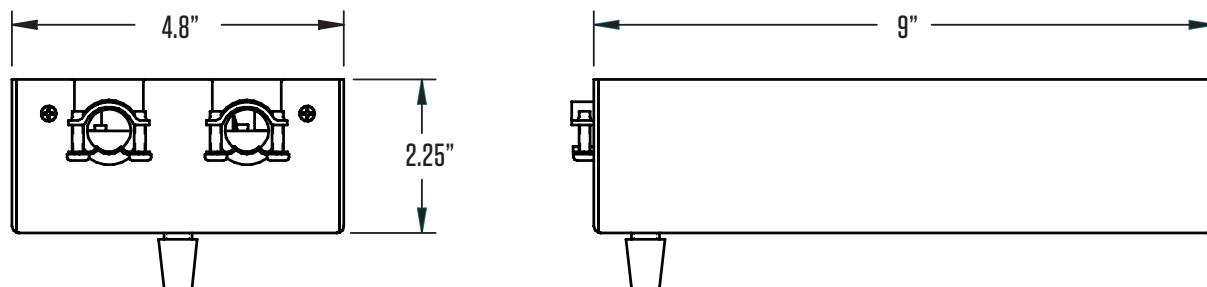
SPECIFICATION DETAILS (cont.)

**Surface Rectangular Side Entry
(SEDL)**



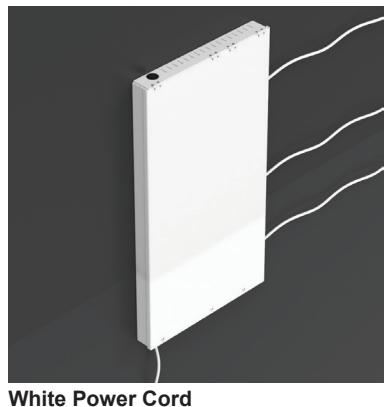
LINEAR CANOPY

Mounts to Hard Deck

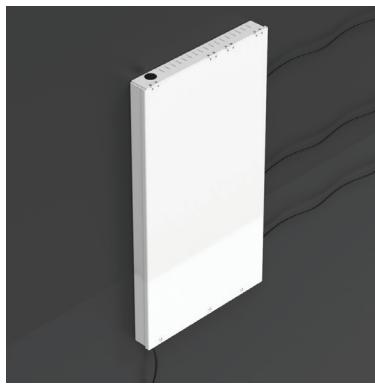


SPECIFICATION DETAILS (cont.)

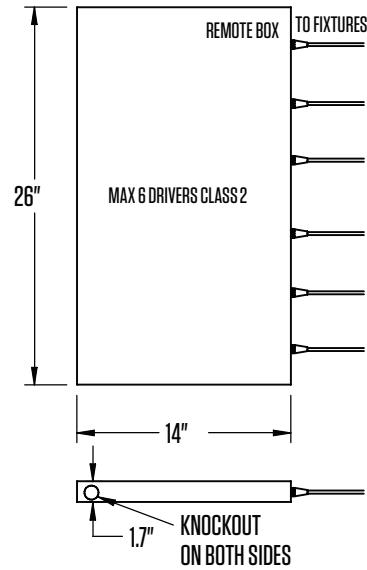
**Remote Acoustic Ceiling Driver / Remote Hard Ceiling Driver
(RADL / RHDL)**



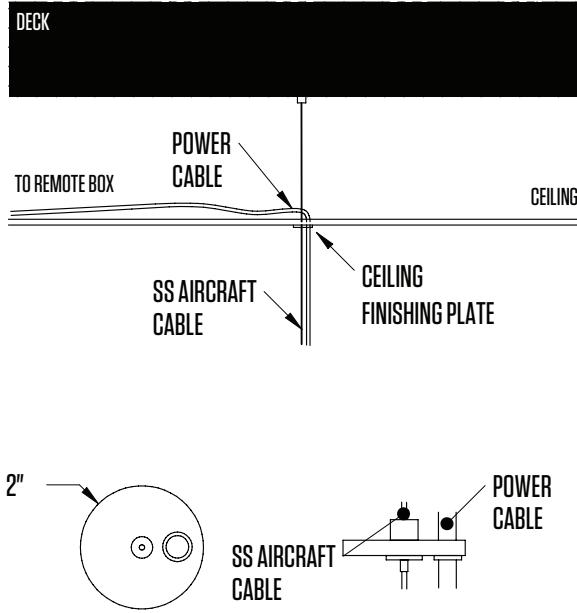
White Power Cord



Black Power Cord

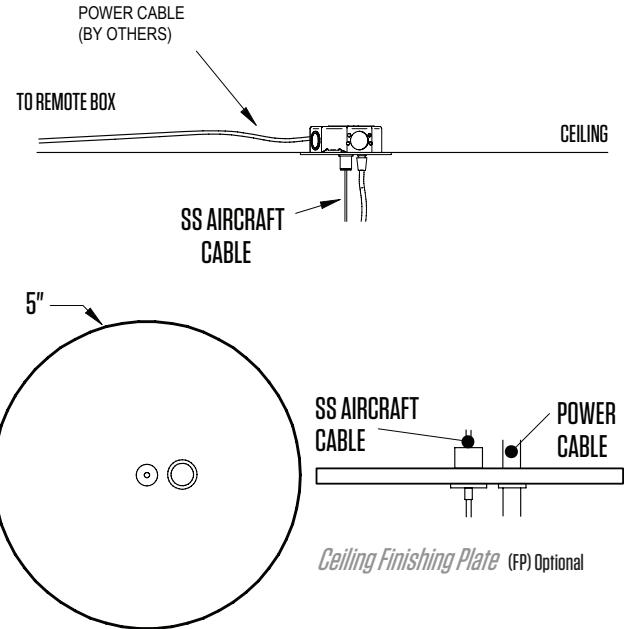


Acoustic Ceiling Power Supply Box Mounting Side View (RADL)



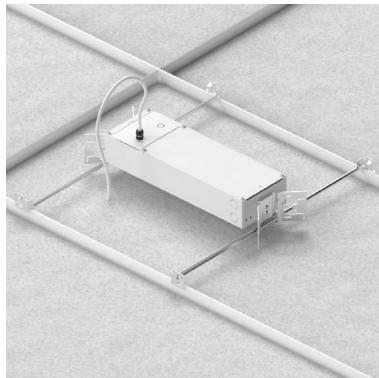
Ceiling Finishing Plate (FP) Optional

Solid Ceiling Power Supply Box Mounting Side View (RHDL)

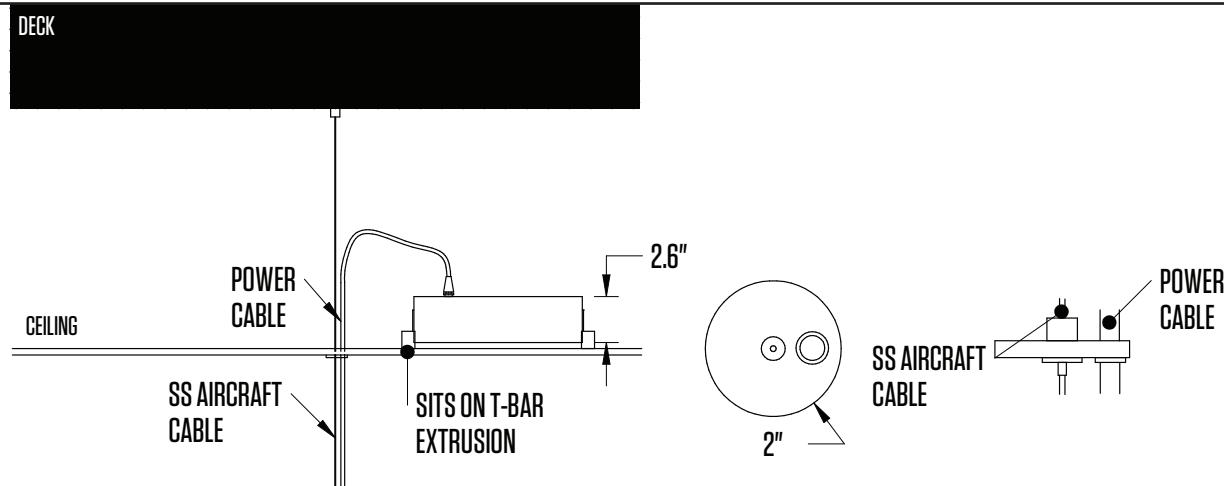
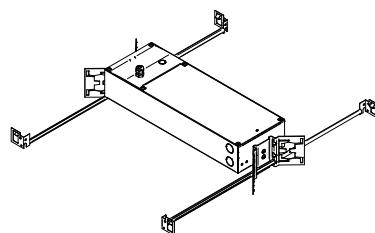


SPECIFICATION DETAILS (cont.)

**ACT Remote
Driver (ADDL)**

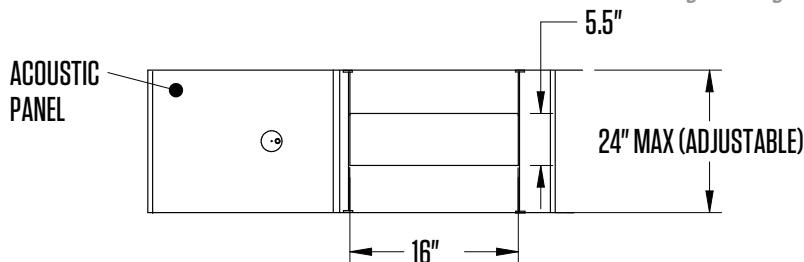


Driver Housing



Above Ceiling Location Mounting Side View

Ceiling Finishing Plate (FP) Optional



Above Ceiling Location Mounting Top View

SPECIFICATION DETAILS (cont.)

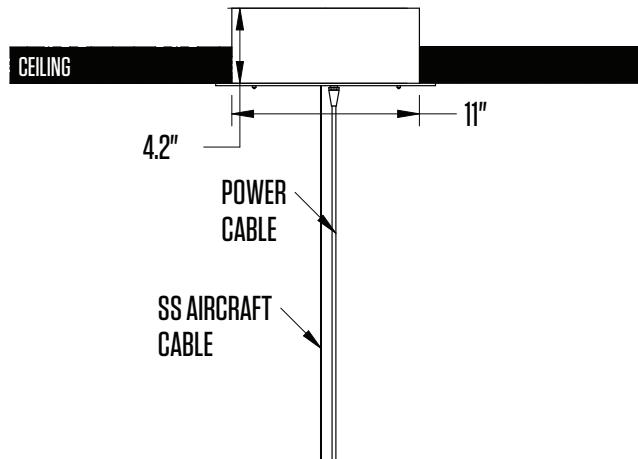
**Flush Ceiling
(FCDL)**



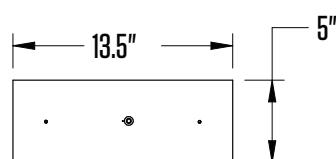
White Power Cord



Black Power Cord



Flush Ceiling Location Mounting Side View



Flush Ceiling Location Mounting Bottom View