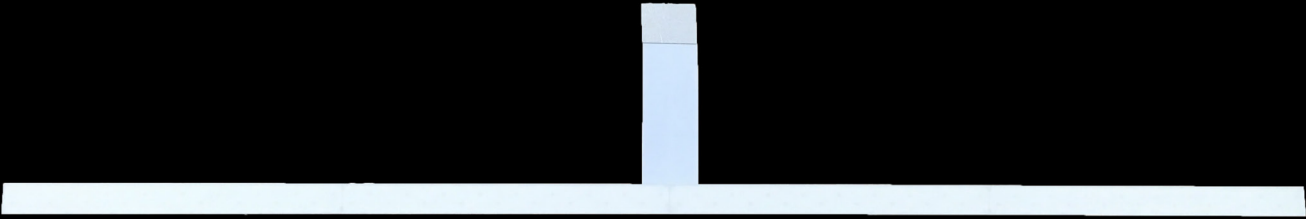# AIRELIGHT™ LINEAR SC 0.5 (9/16" T-BAR)

Description: The Airelight™ Linear SC 0.5 transforms any existing suspended ceiling with 9/16" T-bar into a 24V Class II luminaire. No modification to the existing T-bar is required. Utilizing its ultra slim profile and light weight, the Airelight™ Linear SC 1.0 magnetically attaches to the T-bar. Alignment to the T-bar grid is accomplished using integrated guide clips.
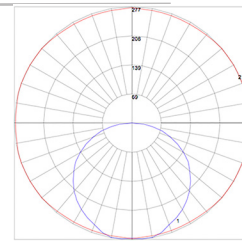
*Bolt Slot ceiling option also available. See Order Code.

Capable of 495 lumens/ft (infinitely dimmable), the Airelight™ Linear SC 0.5 can be installed individually or linked continuously for infinite design possibilities.

A truly sustainable light source comprised of ceramic and aluminum, the Airelight™ Linear SC 0.5 uses 50x fewer raw materials than conventional light sources (measured by weight of fixtures in a typical installation).
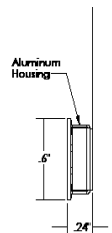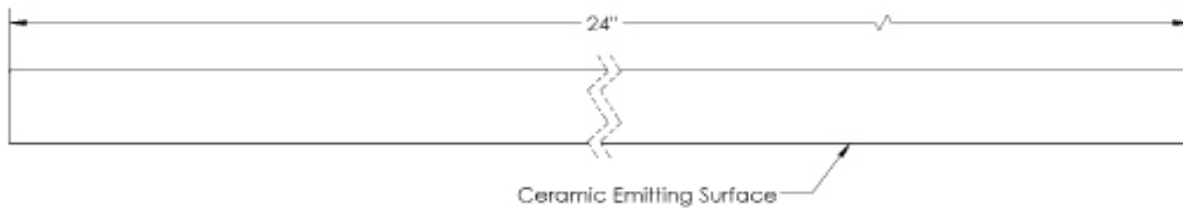
SPECIFICATIONS

Color Temperature	4000K, 3500K, 3000K, 2700K
Beam Angle	Lambertian
Max Fixture Run Length	24' with Adjustable 24VDC 100W Power Supply; Unlimited with Additional Power Supplies or POE Channels
Power Consumption	4.0W per foot
Lumens Per Foot(25V)	495 @ 4000K / 486 @ 3500K / 486 @ 3000K / 444 @ 2700K
Efficacy (lms/W)	124 @ 4000K / 122 @ 3500K / 121 @ 3000K / 111 @ 2700K
CRI	83 @ 4000K / 84 @ 3500K / 83 @ 3000K / 81 @ 2700K
Available Lengths	6", 12", 18", 24"
Interconnect/Cabling	Plenum Rated 2-18 AWG Stranded with Flame Resistant Insulation (not included) e.g., BELDEN PN# 6300UE
Operating Temperature	-10°F to 115°F / -23°C to 46°C
Operating Voltage	24.15VDC (with Adjustable 24VDC Power Supply)
Dimming	1-100% via Compatible Low Voltage PWM or 0-10V
Rating	Dry/Damp Rated
Warranty	5 Years
Weight	0.7oz/ft (66g/m)
Dimensions	W 0.6" x H 0.24" x L 24" (Fits 9/16" T-bar)
Certifications	

Photometric Data:
*Perfectly lambertian output

Ceramic Emitting Surface

Aluminum Housing

.6"

.24"

24"

Airelight™ Linear SC 0.5 (Showing magnet attach and guide clips)
*Also compatible with Bolt Slot ceilings. See Order Code below.

Airelight™ LED Ceramic Luminaires

ORDER CODE

Product Line		Width		Model		Length		Attachment		CCT		CRI
AL	-	0.5	-	SC	-	24	-		-		-	80+
Airelight™ Linear		0.5"		SC		24"		M : Magnet		27K		80+
								(Steel Tbar)		30K		
								B : Bolt		35K		
								(Bolt Slot)		40K		

POWER SUPPLY SELECTION

Airelight™ luminaires require an external DC power supply for operation. Identify total system wattage needed. Order the type and quantity of Class 2, 24VDC Power Supply(s) that meets your requirement.

Power Supply Calculation
Linear Feet Required x Power Consumption (4.0W) = Total System Wattage

e.g. : 18ft x 4.0W = 76W (See Table A)

POWER SUPPLY COMPATIBILITY FOR AIRELIGHT™ SYSTEM

Total System Wattage	Compatible Power Supply
< 40W	SKU# 36789
< 60W	SKU# 42110
< 75W	SKU# 56975
< 80W	SKU# 85376
< 100W	SKU# 40515
< 200W	SKU# 90945

Table A

POWER SUPPLIES

SKU#	Description
90945	ERG 2X 100W UL Listed XLD200-2-24V-FC Driver in Enclosure
40515	Meanwell HLG-100H-24A Power Supply in ETL Listed Enclosure (12x3.5x2")
85376	Meanwell HLG-80H-24A Power Supply in ETL Listed Enclosure (12x3.5x2")
56975	ERG 75W UL Listed XLD75-1-24V-FC Driver in Enclosure
42110	Meanwell HLG-60H-24A Power Supply in ETL Listed Enclosure (12x3.5x2")
36789	Meanwell HLG-40H-24A Power Supply in ETL Listed Enclosure (12x3.5x2")

CONTROLS

31935	Illumra Wireless Dimmer #E9X-D02FL	29053	ERG PWM Dimmer ERGL-DIMC2 (1 Ch 0-10V Wired)
59493	Illumra Dimmer (Hardwired) #NWO-D02FP (0-10V)	10912	ERG PWM Dimmer ERGL-DIM2IN (2 Ch 0-10V Wired)
83374	Illumra Single Rocker Switch #E9T-S1AWH		
25251	Illumra Dual Rocker Switch #E9T-S2AWH		