TAB ACOUSTIX

PENDANT
STATIC WHITE

LUMENWERX

5 YEAR WARRANTY · **5**

Project: _____

_____

Type: _____

DESCRIPTION

At just 0.7 inches (18 mm) in width, Tab is the slimmest family in the Lumenwerx Acoustix portfolio. Available in several lengths, heights, and colors, Tab represents a myriad of acoustic lighting possibilities, from playful visual collages featuring different sizes and colors, to more traditional acoustic treatments composed of identical luminaires mounted in parallel sequences. Tab luminaires also soften interiors with the curves of their top corners, a detail that quietly complements their sound-dampening capabilities.

SENSORS
For latest information on sensors, click here.

Order Guide

See page 2 for Tab Acoustix Blank order guide

LUMINAIRE ID	DISTRIBUTION	OPTICS	LIGHT SOURCE	CRI	LUMEN PACKAGE		COLOR TEMP.
TABACOP		**HLO**	**SW**	**90**			
TABACOP - Tab Acoustix Pendant	**DI** - Direct/Indirect **D** - Direct **I** - Indirect	**HLO** - High-Efficiency Lambertian Optic	**SW** - Static white	**90** - 90 CRI	**DIRECT/INDIRECT** **500** - 500 lm/ft	**DIRECT or INDIRECT** **250** - 250 lm/ft	**27** - 2700K **30** - 3000K **35** - 3500K **40** - 4000K

LUMINAIRE LENGTH	LUMINAIRE HEIGHT	VOLTAGE	DRIVER [2]		ELECTRICAL	CANOPY TYPE	
					1C		
2FT - 2' **3FT** - 3' **4FT** - 4' **5FT** - 5' **6FT** - 6' **7FT** - 7' **8FT** - 8'	**8** - 8" **12** - 12" **16** - 16"	**120** - 120V **277** - 277V **UNV** - 120V-277V **347** [1] - 347V [1] Available with RD1 driver only.	**CANOPY DRIVER** **D1** - 1% 0-10V **ELV** [4] - ELV 120V **TRI** [4] - TRIAC 120V	**REMOTE DRIVER** [3] **RD1** - 1% 0-10V **RELV** [4] - ELV 120V **RTRI** [4] - TRIAC 120V **RLTEA2W** [4] - Lutron 1% - 2 wire FP 120V **RLDE1** [5] - Lutron Hi-lume 1% Eco **RDA** [5] - DALI **RELD1** - eldoLED 1% ECOdrive 0-10V **RELD0** - eldoLED 0.1% SOLOdrive 0-10V	**1C** - 1 circuit	**CANOPY DRIVER** **DR** - Deep round canopy, driver in canopy	**REMOTE DRIVER** **FLR** - Flat round canopy

[2] PoE (Power-over-Ethernet) compatible. Consult factory for details.
[3] A remote driver box is provided.
[4] Available with 120V only.
[5] On-site commissioning is required.

CANOPY FINISH	MOUNTING	MOUNTING CABLE LENGTH	FELT COLOR			
W - Matte white **AL** - Aluminum **B** - Matte black **CF#** - Custom finish, specify RAL #	**POC** - Integrated suspension power-over-aircraft cable **BAC** - Black power cord + aircraft cable **WAC** - White power cord + aircraft cable	**36IN** - 36" **72IN** - 72" **120IN** - 120" **##IN** - Specify nominal length in inches	**STANDARD COLORS** FWN FON ION TBN MDN	LVN LEN CYN PMN FGN	**PREMIUM COLORS** [6,7] PKN OGN LNN LMN	CDN SYN BLN NVN / IVN SLN CNN GHN / BHN MON

[6] Please consult factory for more color options.
[7] Lead time may vary.

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PoE Power over Ethernet

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5 YEAR WARRANTY — **5**

Project: _____

_____

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Blank Order Guide

LUMINAIRE ID	LUMINAIRE LENGTH	LUMINAIRE HEIGHT	CANOPY TYPE	CANOPY FINISH
TABACOBP			**FLR**	
TABACOBP - Tab Acoustix Blank Pendant	**2FT** - 2' **3FT** - 3' **4FT** - 4' **5FT** - 5' **6FT** - 6' **7FT** - 7' **8FT** - 8'	**8** - 8" **12** - 12" **16** - 16"	**FLR** - Flat round canopy	**W** - Matte white **AL** - Aluminum **B** - Matte black **CF#** - Custom finish, specify RAL #

MOUNTING	MOUNTING CABLE LENGTH	FELT COLOR
AC		
AC - Aircraft cable	**36IN** - 36" **72IN** - 72" **120IN** - 120" **##IN** - Specify nominal length in inches	

STANDARD COLORS

FWN		LVN	
FON		LEN	
ION		CYN	
TBN		PMN	
MDN		FGN	

PREMIUM COLORS [1,2]

PKN		CDN		IVN		BHN
OGN		SYN		SLN		MON
LNN		BLN		CNN	
LMN		NVN		GHN	

[1] Please consult factory for more color options.
[2] Lead time may vary.

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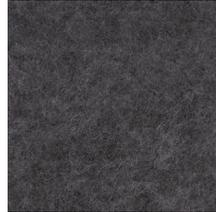STATIC WHITE

LUMENWERX
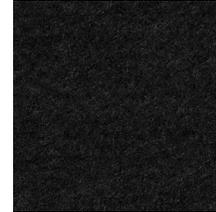
Standard Color Options

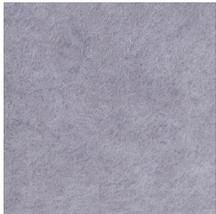**FWN** - FROST WHITE

FON - FOG

ION - IRON

TBN - TRUE BLACK

MDN - MIDNIGHT BLUE

LVN - LAVENDER

LEN - LATTE

CYN - CHERRY

PMN - PLUM

FGN - FOREST GREEN

Premium Color Options*

PKN - PAPRIKA

OGN - ORANGE

LNN - LEMON

LMN - LIME

CDN - CLOUDY

SYN- SKY

BLN - BLUEBERRY

NVN - NAVY
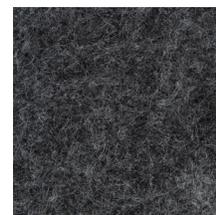
IVN - IVORY

SLN - STEEL

CNN - CARBON

GHN - GRAPHITE

BHN – BLUSH

MON - MOCHA

*Please consult factory for more color options.
*Lead time may vary.

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Dimensions

8"
12"
16"

C

B

A

Width
0.7 inches
(18 mm)
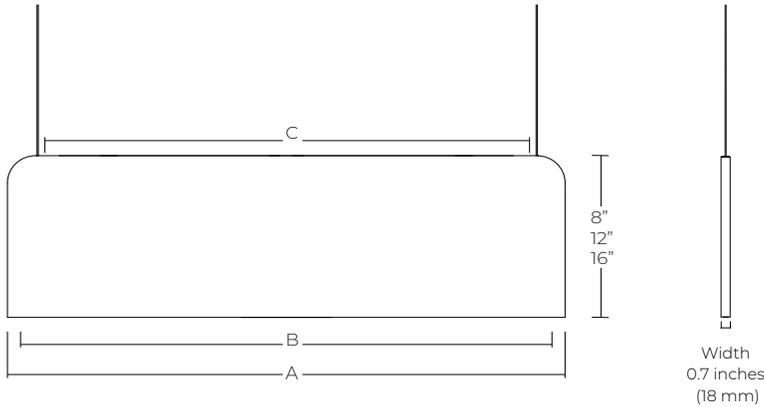
Nominal Length	A Fixture Length	B Direct Lens Length	C Indirect Lens Length
2'	22 7/8 in	21.5 in	15.5 in
3'	34 7/8 in	33.5 in	27.5 in
4'	46 7/8 in	45.5 in	39.5 in
5'	58 7/8 in	57.5 in	51.5 in
6'	70 7/8 in	69.5 in	63.5 in
7'	82 7/8 in	81.5 in	75.5 in
8'	94 7/8 in	93.5 in	87.5 in

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Mounting Options

Canopy driver

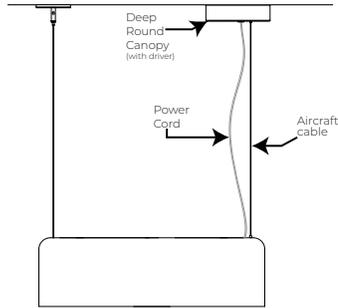**DR** - Deep round canopy

BAC - Black power cord + aircraft cable
WAC - White power cord + aircraft cable
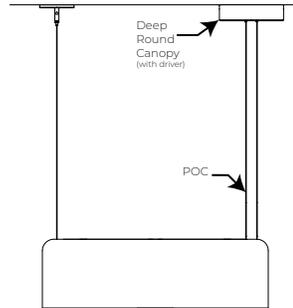
POC - Integrated suspension power-over-aircraft cable

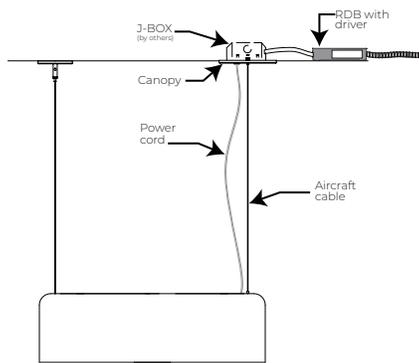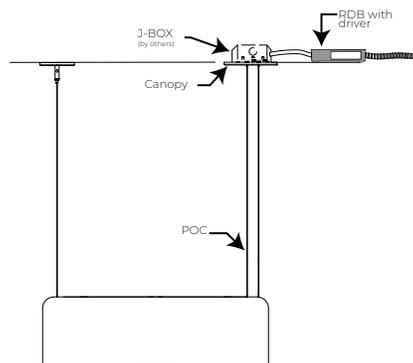### Remote driver

FLR - Flat round canopy

BAC - Black power cord + aircraft cable
WAC - White power cord + aircraft cable

POC - Integrated suspension power-over-aircraft cable

Blank

FLR - Flat round canopy

AC - Aircraft cable

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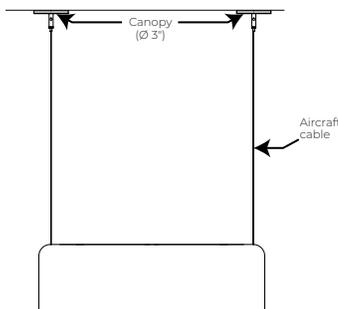
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Photometrics

Please use the multiplier table to get results for different color temperatures.
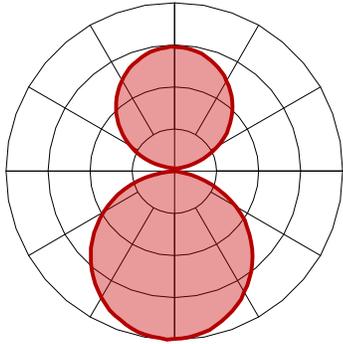
DIRECT/INDIRECT
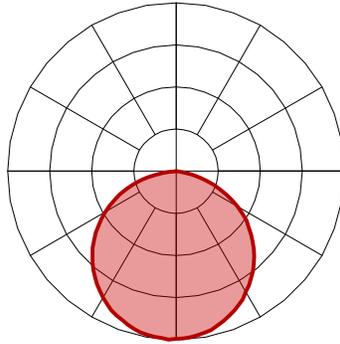
DIRECT
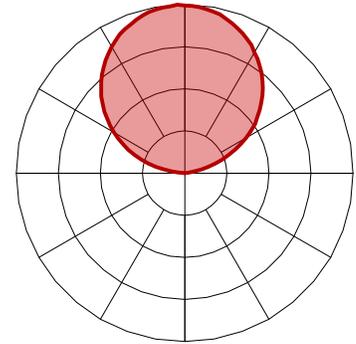
INDIRECT

Values calculated based on a 4 ft fixture at 35K and 90 CRI.

DIRECT/INDIRECT

LM/FT	W/FT	LPW
500	16.8	30

DIRECT or INDIRECT

LM/FT	W/FT	LPW
250	8.4	30

MULTIPLIER TABLE

Multiplier - CCT

CCT (K)	WATTS	LPW
2700	1.02	0.98
3000	1.01	0.99
3500	1.00	1.00
4000	0.98	1.02

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Acoustic Calculator

Using the Lumenwerx Acoustix Value Calculator table, you can determine the number of acoustic luminaires required in a space by fixture type. We have three levels of recommended sound reduction: good, better, and best. Choosing one of these options will reduce the sound accordingly. The best option indicates the best acoustic improvement. Calculations are based on a standard ceiling height of 9 feet.

① Calculate the square feet of your room (L x W).

② Choose the level of acoustical improvement you are looking for, and find the corresponding value based on your room dimension and luminaire configuration.

% in reduction in reverberation time		
☺	GOOD	25%
☺☺	BETTER	40%
☺☺☺	BEST	50%

LENGTH	HEIGHT	Room dimensions under 300 sq ft			Room dimensions over 300 sq ft		
		GOOD ☺	BETTER ☺☺	BEST ☺☺☺	GOOD ☺	BETTER ☺☺	BEST ☺☺☺
TAB 4'	**8"**	19	9	6	29	15	10
	12"	29	14	8	45	22	14
	16"	38	19	12	58	29	19
TAB 6'	**8"**	28.5	13.5	9	43.5	22.5	15
	12"	43.5	21	12	67.5	33	21
	16"	57	28.5	18	87	43.5	28.5
TAB 8'	**8"**	38	18	12	58	30	20
	12"	58	28	16	90	44	28
	16"	76	38	24	116	58	38

③ Use the Lumenwerx Acoustix Value Formula to determine the number of luminaires needed in the room.

Square feet ÷ Value = Number of luminaires

Example:

> **Luminaires:** Tab, 4' long, 16" high
>
> **Room square feet:** L: 20 ft x W: 18 ft = 360 sq ft
>
> **Desired acoustical improvement:** Better = 29
>
> **Number of luminaires needed in the room:** 360 ÷ 29 = **13 luminaires**

NOTES:
- You can mix lit and blank fixtures.
- Lumenwerx acoustic calculators were developed to act as a guide. For precise acoustic performance in a space, please consult an acoustician.

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Technical Specifications

OPTIC

High-Efficiency Lambertian Optic (HLO) - The High-Efficiency Lambertian Optic (HLO) uses matte white reflectors to distribute LED output across 0.075" acrylic shielding, providing up to 88% transmission and good obscuration.

LIGHT SOURCE

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K and 4000K with 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance.

WELL for Light - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:
- Feature 58 or L07 when 90 CRI is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5 % or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.

WELL for Sound - This luminaire is recommended for use as an acoustical absorption surface to limit reverberation times (RT) in a given space. This luminaire contributes to noise reduction and vibration dampening to promote focus and concentration. Reverberation needs to be calculated in each space based on the materials used.

WELL for Mind -This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.
For more information, please contact well@lumenwerx.com

LUMINAIRE LENGTH

Tab is available in 7 lengths, 2' to 8'.

ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency>84%, PF>0.9, THD<20%.
Canopy driver: 0-10V, ELV, TRIAC.
Remote driver: 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% 2-wire and 1% EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V.

ACOUSTIC FINISH

Material is 100% polyester containing up to 50% of recycled plastic bottles (PET) with an ASTM E-84 Class A fire rating and is moisture resistant.

CARE

Remove dust and debris with a clean, dry, soft, lint-free cloth, or vacuum.

CONSTRUCTION

Housing - Extruded aluminum (0.095" nominal) up to 90% recycled content
Lens - Acrylic.
Hanger - Chromed griplock securely attached with spring steel hardware in end caps
Aircraft cable suspension - 7x7 braids aluminum aircraft cable 0.06" thick

WEIGHT

Nominal Length	Size		
	8 in	12 in	16 in
4'	1.5 kg - 3.5 lbs	2.1 kg - 5 lbs	2.6 kg - 5.7 lbs
8'	3.15 kg - 7 lbs	4.2 kg - 9.5 lbs	5.25 kg - 11.5 lbs

ENVIRONMENT

Ambient temperature at fixture location shall not exceed 30°C/86°F. For indoor use only.

CERTIFICATION

ETL - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

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