



Below t-bar shown

Project \_\_\_\_\_

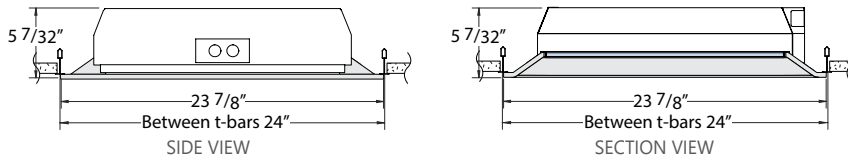
Type \_\_\_\_\_

Notes \_\_\_\_\_

### PERFORMANCE AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
1500 lm	11.4 W	132 lm/W
3000 lm	21.6 W	139 lm/W
4000 lm	28.4 W	141 lm/W
6000 lm	43.4 W	138 lm/W

\* Based on a 2'x2' luminaire using one driver  
Please consult factory for custom lumen output and wattage.



Below t-bar shown.



## Ordering Guide

PRODUCT ID	SIZE	NOMINAL LUMENS	CRI	COLOR TEMP. (choose one)	SHIELDING	LENS SHAPE
<b>TACET</b> Tacet Lit section	<b>22</b> 2'X2'	<b>1500</b> 1500 lm - Min <b>6000</b> 6000 lm - Max	<b>90</b> 90 CRI	<b>27</b> 2700 K <b>30</b> 3000 K <b>35</b> 3500 K <b>40</b> 4000 K <b>TW2750</b> 2700-5000 K - Tunable White <b>TW2765</b> 2700-6500 K - Tunable White	<b>SO</b> spotless lens	<b>SQ</b> square
		Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.	<a href="#">Consult Axitune technical sheet for more information of color technology.</a>			

ACOUSTIC PANEL FINISH										VOLTAGE		DRIVER																																						
STANDARD PALETTE		EXTENDED CUSTOM PALETTE*																																																
<b>COT</b> cotton	<b>MAR</b> marble	<b>CON</b> concrete	<b>SAN</b> sand	<b>CUSPUR</b> purple	<b>CUSOCE</b> ocean	<b>CUSLEM</b> lemon	<b>CUSLIM</b> lime	<b>CUSBRI</b> brick	<b>CUSEAR</b> earth	<b>CUSCOR</b> cork	<b>CUSCOP</b> copper	<b>CUSCAR</b> carbon	<b>CUSFRO</b> frost	<b>CUSDEN</b> denim	<b>CUSNAV</b> navy	<b>CUSPEB</b> pebble	<b>CUSSMO</b> smoke	<b>CUSAPP</b> apple green	<b>CUSOLI</b> olive	<b>CUSEME</b> emerald	<b>CUSANC</b> anchor	<b>CUSSHA</b> shadow	<b>CUSWHE</b> wheat	<b>CUSSAC</b> sand castle	<b>CUSLEA</b> leather	<b>CUSPER</b> peru	<b>CUSMOS</b> moss	<b>CUSBAR</b> bark	<b>CUSTIN</b> tin	<b>CUSMOC</b> moccasin	<b>CUSGIN</b> ginger ale	<b>CUSASP</b> asphalt	<b>CUSFOS</b> fossil	<b>CUSSLA</b> slate	<b>CUSCRI</b> crimson	<b>CUSMAN</b> maroon	<b>CUSFIR</b> fire brick	<b>CUSIND</b> indigo	<b>CUSBUR</b> burnt orange	<b>120</b> 120 V	<b>277</b> 277 V	<b>347</b> 347 V	<b>UNV</b> universal	<b>DC</b> low voltage*	<b>DP</b> dimming (0-10V) 1%	<b>LT(#)</b> Lutron	<b>BI</b> bi-level dimming	<b>O(#)</b> other**	<b>TW(#)</b> tunable white drivers*	<b>POE(#)</b> POE drivers*
See page 4 for more details.				* Extended custom color palette panels available per request. Consult factory for details.														* Only available with POE drivers.		** See page 2 to specify system ** Please consult factory; see page 2																														

CIRCUITS		PANEL POSITION		MOUNTING		BATTERY (OPTIONAL)		OTHER (OPTIONAL)		REMOTE IC CONTROLS (OPT.)	
<b>1</b>	1 circuit	<b>AT</b>	Above t-bar*	<b>TB9</b>	t-bar 9/16"	<b>B(#)</b>	integral battery pack*	<b>FW</b>	flex whip (6' std)*	<b>DS(#)</b>	daylight sensor
<b>+E(#)</b>	emergency circuit*	<b>BT</b>	Below t-bar	<b>TB15</b>	t-bar 15/16"	<b>BR(#)</b>	remote battery pack	<b>CP</b>	Chicago plenum	<b>OS(#)</b>	occupancy sensor
<b>+NL(#)</b>	night light circuit*			<b>ST</b>	screw slot t-bar*					<b>DOS(#)</b>	daylight & occupancy sensor
<b>+GTD(#)</b>	generator transfer device*			<b>TG9</b>	tegarular 9/16"					<b>WC(#)</b>	wireless control dimming
*Specify quantity		*Not available for <b>ST</b> screw slot t-bar		* <b>BT</b> - below T-bar only.		*Not available with 347V Please consult factory		* Other lengths available; please consult factory.		Specify quantity. Requires 1.5" blank. See <a href="#">integrated controls guide for more details</a> . Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.	


### ● SPECIFICATIONS

<b>Housing</b>	Die formed cold rolled sheet steel (22 gauge)
<b>Lens</b>	Spotless acrylic lens
<b>Panel</b>	Thermoformed PET felt
<b>Reflectors</b>	Die formed cold rolled sheet steel (22 gauge)
<b>Corner spring brackets</b>	Die formed cold rolled sheet galvanised steel (16 gauge)
<b>Corner mounting brackets</b>	Die formed cold rolled sheet galvanised steel (20 gauge)
<b>Torsion spring</b>	Spring steel

### ● WEIGHT

<b>Square 2x2</b>	9.82 lbs / 4.45 kg
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### ● APPROVALS

Certified to UL and CSA standards.   
Chicago Plenum Certified (CCEA)  
Meets NYC requirements  
Suitable for damp locations.  
IC Rated (Insulated ceiling)



#### ACOUSTIC FELT FIRE SAFETY:

Class A Fire Rated as per ASTM E84.  
Flame Spread Index: 5  
Smoke Development Index: 110

### ● ACOUSTIC FELT CLEANING PROTOCOL



**NOTE:** Easy to clean. Made from polyester fill with natural anti-microbial properties.



Periodic dusting with vacuum or dry cloth recommended.



For stain removal, use a small amount of soap or detergent on a wet cloth.



For added disinfection, use bleach solution (5 tablespoons per Gallon of water), spray onto surface and gently wipe to spread all over.

### ● ACOUSTIC PANEL WARRANTY

All Acoustic panels are guaranteed for 1 year (warranty period) from date of shipment from our factory. Defective products will be repaired or replaced at the discretion of Axis Lighting provided a written claim is made within the warranty period.

#### Exclusions of Warranty:

- Normal wear and tear (scratches, direct sunlight, etc.).
- Products that have been modified, improperly installed, used in conditions or for purposes other than which they were intended.

### ● ELECTRICAL

<b>Lutron driver</b>	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
<b>Other drivers**</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
<b>Tunable White TW drivers*</b>	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address) DPTW - two channel 0-10V dimming: one channel for brightness, one channel for CCT. LDTW - Lutron DALI Type 8 (One DALI address) Tunable White series
<b>Power over Ethernet POE drivers*</b>	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV, DC.

\*Choose driver from available options.

**i** Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

### ● LED SYSTEM

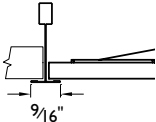
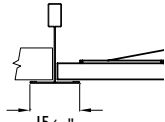
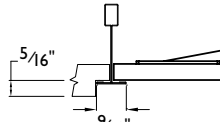
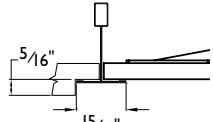
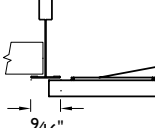
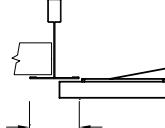
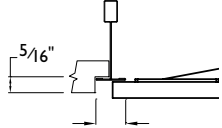
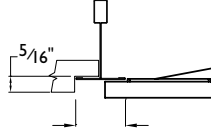
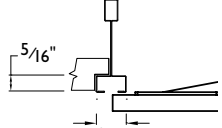
<b>CRI</b>	High efficacy 90 color rendering index.
<b>CCT Single Color</b>	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
<b>CCT Axitune Systems</b>	<a href="#">Consult Axitune technical sheet for more information on color technology.</a>
<b>LED life</b>	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal Management</b>	Aluminum housing acting as the heat sink to maximize life.
<b>Environment</b>	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104F).

### ● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](http://axislighting.com).

### ● CEILING SYSTEM

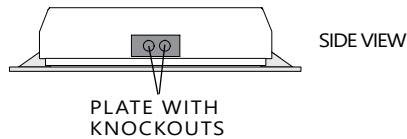
#### T-BAR MOUNTING

	(TB9) 9/16" T-BAR	(TB15) 15/16" T-BAR	(TG9) 9/16" TEGULAR	(TG15) 15/16" TEGULAR	(ST) SCREW SLOT
ABOVE T-BAR					N/A
BELOW T-BAR					

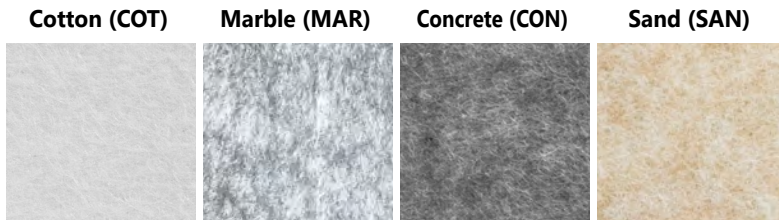
**i** Installation sheets for all mounting options are available at: [www.axislighting.com](http://www.axislighting.com)

### ● STANDARD POWER FEED

Knockouts for BX cable connection are provided on the side of the luminaire.  
(BX CABLE BY OTHER)



## ACOUSTIC FELT STANDARD COLOR PALETTE



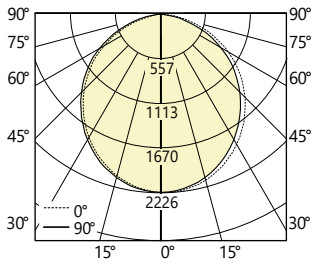
## EXTENDED ACOUSTIC FELT COLOR PALETTE

Available per request. Consult factory for details.



## ● PHOTOMETRIC DATA

### PHOTOMETRIC CURVE



**Luminaire Lumens: 6002 lm**  
**Input Watts: 43.4 W**  
**Efficacy: 138 lm/W**  
 IES FILE: TACET-22-6000-90-35-SO-SQ.ies

TESTED ACCORDING TO IES LM-79-2019

### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	2225	2225	2225	2225	2225	210
10	2222	2221	2219	2215	2213	598
20	2149	2144	2137	2125	2117	895
30	1993	1984	1970	1950	1934	1064
40	1768	1755	1736	1709	1689	1090
50	1488	1474	1451	1422	1399	976
60	1170	1157	1136	1102	1076	725
70	807	800	794	740	707	376
80	430	425	403	370	335	67
90	88	78	67	47	29	0

### LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	10163	9908	9554
55	9847	9564	9058
65	9216	9075	8081
75	8025	7527	6254
85	4864	3695	1626

### COEFFICIENTS OF UTILIZATION (%)

Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
0	119	119	119	119	116	116	116	116	111	111	111	
1	109	105	100	97	106	102	99	95	98	95	92	
2	99	91	85	79	97	89	83	78	86	81	76	
3	91	80	72	66	88	79	71	65	76	69	64	
4	83	71	62	56	81	70	62	55	67	60	55	
5	76	64	55	48	74	63	54	48	60	53	47	
6	71	57	48	42	69	56	48	42	55	47	41	
7	65	52	43	37	64	51	43	37	50	42	37	
8	61	47	39	33	59	47	39	33	45	38	33	
9	57	44	35	30	56	43	35	30	42	35	30	
10	53	40	32	27	52	40	32	27	39	32	27	

Based on floor reflectance of 0.20

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)