

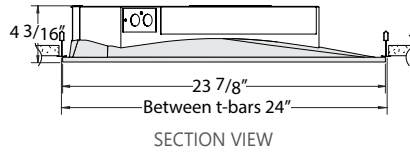
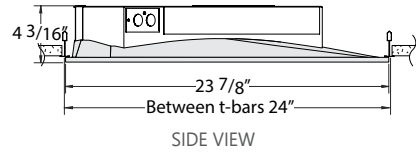
Straight lens shape, below t-bar shown

Curved lens shape, below t-bar shown

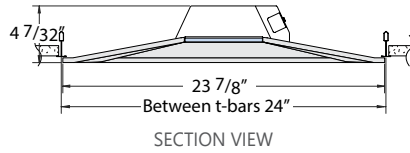
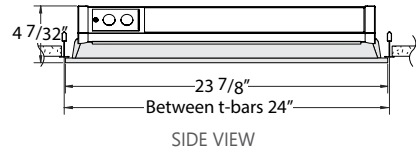
Project _____

Type _____

Notes _____



Curved lens shape, below t-bar shown.



Straight lens shape, below t-bar shown.

PERFORMANCE AT 3500K

LENS SHAPE	NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
CUR	1500 lm	12.4 W	121 lm/W
	3000 lm	23.9 W	125 lm/W
ST	1500 lm	12.4 W	121 lm/W
	3000 lm	23.6 W	127 lm/W

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



Ordering Guide

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

ACOUSTIC PANEL FINISH										VOLTAGE		DRIVER																																						
STANDARD PALETTE		EXTENDED CUSTOM PALETTE*																																																
COT cotton	MAR marble	CON concrete	SAN sand	CUSPUR purple	CUSOCE ocean	CUSLEM lemon	CUSLIM lime	CUSBRI brick	CUSEAR earth	CUSCOR cork	CUSCOP copper	CUSCAR carbon	CUSFRO frost	CUSDEN denim	CUSNAV navy	CUSPEB pebble	CUSSMO smoke	CUSAPP apple green	CUSOLI olive	CUSEME emerald	CUSANC anchor	CUSSHA shadow	CUSWHE wheat	CUSSAC sand castle	CUSLEA leather	CUSPER peru	CUSMOS moss	CUSBAR bark	CUSTIN tin	CUSMOC moccasin	CUSGIN ginger ale	CUSASP asphalt	CUSFOS fossil	CUSSLA slate	CUSCRI crimson	CUSMAN maroon	CUSFIR fire brick	CUSIND indigo	CUSBUR burnt orange	120 120 V	277 277 V	347 347 V	UNV universal	DC low voltage*	DP dimming (0-10V) 1%	LT(#) Lutron	BI bi-level dimming	O(#) other**	TW(#) tunable white drivers*	POE(#) 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.)	
1	1 circuit	AT	Above t-bar*	TB9	t-bar 9/16"	B(#)	integral battery pack*	FW	flex whip (6' std)*	DS(#)	daylight sensor
+E(#)	emergency circuit*	BT	Below t-bar	TB15	t-bar 15/16"	BR(#)	remote battery pack	CP	Chicago plenum	OS(#)	occupancy sensor
+NL(#)	night light circuit*			ST	screw slot t-bar*					DOS(#)	daylight & occupancy sensor
+GTD(#)	generator transfer device*			TG9	tegarular 9/16"					WC(#)	wireless control dimming
				TG15	tegarular 15/16"						
*Specify quantity		*Not available for ST screw slot t-bar		* BT - below T-bar only.		*Not available with 347V Please consult factory		* Other lengths available; please consult factory.		Specify quantity. Requires 1.5" blank. See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.	


● SPECIFICATIONS

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

● WEIGHT

Straight 2x2	6.06 lbs / 2.75 kg
Curved 2x2	6.62 lbs / 3.00 kg

● 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

Lutron driver	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
Tunable White TW drivers*	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
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	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

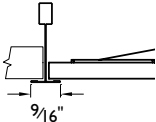
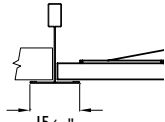
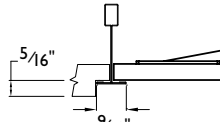
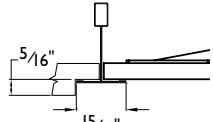
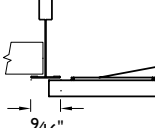
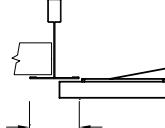
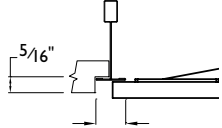
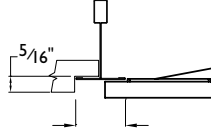
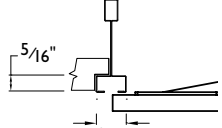
CRI	High efficacy 90 color rendering index.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	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.

● CEILING SYSTEM

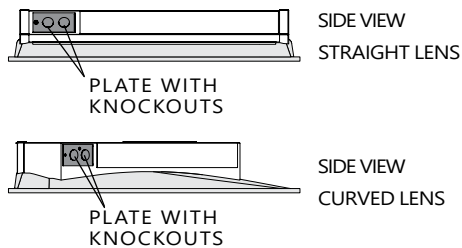
T-BAR MOUNTING

	(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					

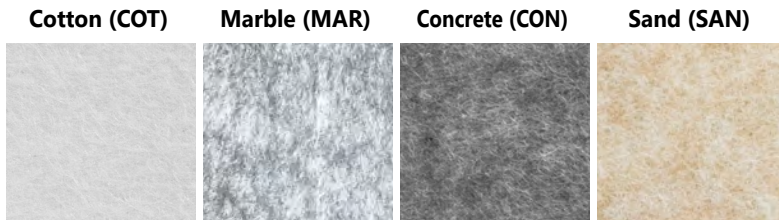
i Installation sheets for all mounting options are available at: www.axislighting.com

● 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

Curved

PHOTOMETRIC CURVE

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1154	1154	1154	1154	1154	109
10	1142	1143	1146	1148	1152	308
20	1074	1080	1091	1098	1106	457
30	958	969	988	1002	1014	536
40	808	823	849	870	887	538
50	638	657	687	714	737	471
60	457	478	513	546	575	346
70	271	292	333	372	406	185
80	92	112	154	197	239	49
90	6	6	14	42	70	0

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	104	100	97	106	102	98	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	70	64	
4	83	71	63	56	81	70	62	56	68	61	55	
5	77	64	55	49	75	63	55	48	61	53	48	
6	71	58	49	43	69	57	48	42	55	47	42	
7	66	52	44	38	64	52	43	38	50	43	37	
8	61	48	39	34	60	47	39	34	46	39	33	
9	57	44	36	30	56	43	36	30	42	35	30	
10	54	41	33	28	52	40	33	28	39	32	27	

Based on floor reflectance of 20

Luminaire Lumens: 2999 lm
Input Watts: 23.9 W
Efficacy: 125 lm/W

IES FILE: TACET-22-3000-90-35-SO-CUR.ies

TESTED ACCORDING TO IES LM-79-2019

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	14065	15150	16244
55	12410	13932	15619
65	9999	12281	14997
75	5528	9282	14395
85	994	2475	12545

Straight

PHOTOMETRIC CURVE

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1135	1135	1135	1135	1135	107
10	1124	1127	1130	1133	1136	304
20	1067	1074	1083	1090	1098	453
30	965	976	991	1000	1012	533
40	828	841	861	876	891	539
50	668	685	707	728	744	475
60	496	514	540	565	584	355
70	317	336	369	396	419	195
80	140	161	193	226	250	39
90	11	21	26	23	33	0

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	104	100	97	106	102	98	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	63	56	81	70	62	56	67	60	55	
5	76	64	55	48	74	63	54	48	61	53	47	
6	71	57	49	42	69	57	48	42	55	47	42	
7	66	52	43	37	64	51	43	37	50	42	37	
8	61	48	39	33	60	47	39	33	46	38	33	
9	57	44	36	30	56	43	35	30	42	35	30	
10	54	40	33	27	52	40	32	27	39	32	27	

Based on floor reflectance of 20

Luminaire Lumens: 2999 lm
Input Watts: 23.6 W
Efficacy: 127 lm/W

IES FILE: TACET-22-3000-90-35-SO-ST.ies

TESTED ACCORDING TO IES LM-79-2019

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	11070	11717	12334
55	10139	11046	11947
65	8794	10241	11634
75	6326	8740	11339
85	1529	3448	4419

i All IES files are available for download at: www.axislighting.com