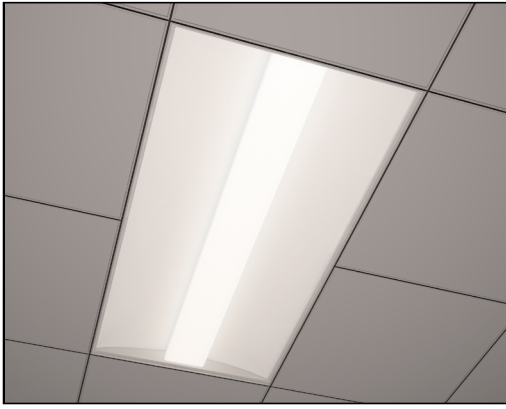


AURA 2x4 | Recessed T-Bar & Drywall



Project _____

Type _____

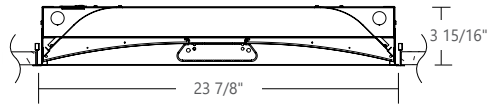
Notes _____

PERFORMANCE AT 3500K, 80CRI

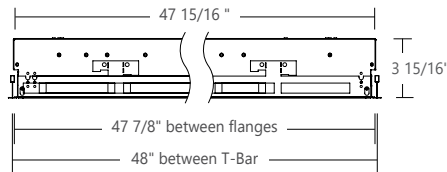
NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
1400 lm	9.8 W	142 lm/W
9000 lm	70.7 W	127 lm/W

* Based on a 2' x 4' luminaire using one driver

SECTION VIEW



SIDE VIEW



Ordering Guide

AULED		24								SO			
PRODUCT ID		SIZE		TOTAL NOM. LUMENS		CRI		COLOR TEMP. (choose one)				SHIELDING	
AULED	Recessed LED	24	2'X4'	1400	1400 lm - Min	80	80 CRI	27	2700 K	TW2750 2700-5000 K - Tunable White		SO	spotless optics
				6800	6800 lm - Max at 90 CRI	90	90 CRI*	30	3000 K	TW2765 2700-6500 K - Tunable White			
				9000	9000 lm - Max at 80 CRI			35	3500 K	BTW3527 3500-2700 K - Tunable BIOS			
								40	4000 K	BTW4027 4000-2700 K - Tunable BIOS			
								B30 3000 K - BIOS*					
								B35 3500 K - BIOS*					
								B40 4000 K - BIOS*					
Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS				*Not available with BIOS.		Consult Axitune technical sheet for more information of color technology. *Consult BIOS guide for more information on BIOS technology							

W		VOLTAGE		DRIVER		CIRCUITS		MOUNTING	
FINISH	FINISH	VOLTAGE	VOLTAGE	DRIVER	DRIVER	CIRCUITS	CIRCUITS	MOUNTING	MOUNTING
W white	W white	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit	TB9	t-bar 9/16"
		277	277 V	LT	Lutron	+E(#)	emergency section *	TB15	t-bar 15/16"
		347	347 V	BI	bi-level dimming	+NL(#)	night light section *	ST	screw slot t-bar
		UNV	universal	O(#)	other**	+GTD(#)	generator transfer device *	TG9	regular 9/16"
		DC	low voltage*	DPB(STC)	dimming (0-10V) 1% with BIOS*			TG15	regular 15/16"
				DPB(DYN)	Bio-dimming™ 100%-81% with BIOS*			DF	drywall flange
				TW(#)	tunable white drivers*				
				POE(#)	POE drivers*				
		* Only available with POE drivers.		* See page 2 to specify system ** Please consult factory; see page 2		* Specify quantity			

BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)		CUSTOM (OPTIONAL)
B(#) battery pack	FW flex whip (6' std) * AR air return CP Chicago plenum	DS(#)	daylight sensor	C custom
		OS(#)	occupancy sensor	
		DOS(#)	daylight & occupancy sensor	
		EN(#)	Enlighted integral *	
		ENR(#)	Enlighted remote*	
		WC(#)	wireless control dimming	
Not available with 347V Please consult factory	* Other lengths available; please consult factory.	* 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.		Please specify

AURA 2x4 | Recessed T-Bar & Drywall

● 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
BIOS DPB drivers*	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
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.
Flex Whip	Shipped in a separate box for contractors to install

*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	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
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 BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
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 (32-104°F).

AURA 2x4 | Recessed T-Bar & Drywall

● SPECIFICATIONS

Housing	Die formed cold rolled sheet steel (20 gauge)
Central Lens Housing	Extruded aluminum (0.060" nominal)
Center Lens	Spotless PMMA lens with linear refraction optics
Side Lens	Side lens 0.08" PMMA satin blend
Reflectors	Die formed cold rolled sheet steel (22 gauge)
Interior Brackets	Die formed cold rolled sheet steel (20 gauge)
Drywall Flange Kit	Extruded aluminum (0.060" nominal)

● WEIGHT

Standard	19 lbs / 8.6 kg
Drywall with Kit	21 lbs / 9.6 kg

● FINISH

Highly reflective, matte powder coat white paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior.

● 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.

LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
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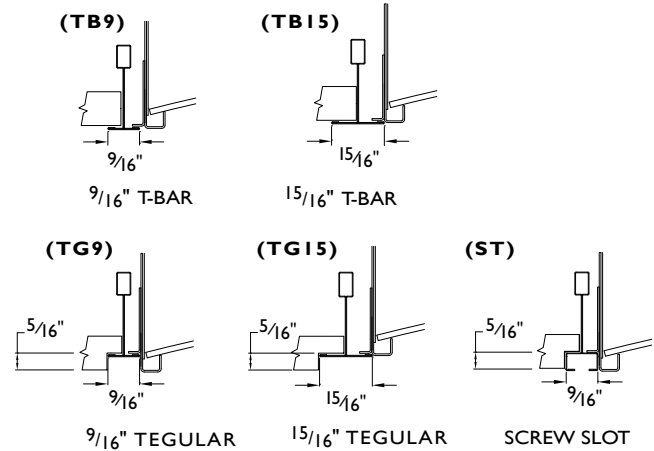
● APPROVALS

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

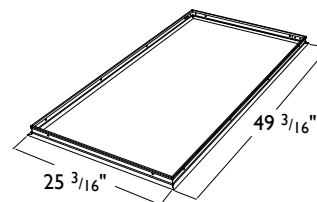
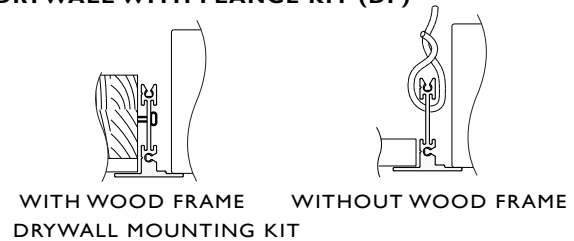


● CEILING SYSTEM

T-BAR STYLE MOUNTING



DRYWALL WITH FLANGE KIT (DF)



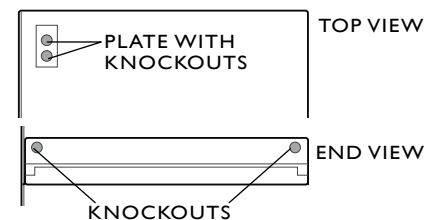
FIXTURE DIMENSIONS
47 3/8" / 23 3/8"

CUT HOLE DIMENSIONS
48 7/16" / 24 7/16"

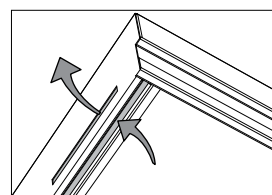
i Installation sheets for all mounting options are available at: www.axislighting.com

● STANDARD AND END MOUNT POWER FEED

Knockouts for BX cable connection are provided both on the top and on the ends of the luminaire. This allows for an end mount power feed solution if it is required. (BX CABLE BY OTHER)



● AIR RETURN

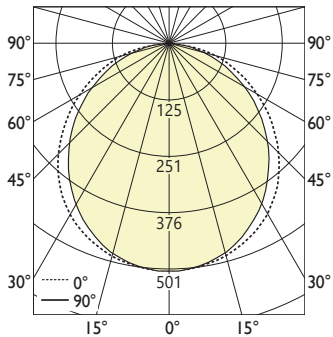


The air return (AR) option consists of discrete slots along the sides of the luminaire. These slots allow air to exhaust into the plenum and eliminate the need for unsightly air return grilles, and create a clean and well organized ceiling.

AURA 2x4 | Recessed T-Bar & Drywall

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE 1400 lm



Luminaire Lumens: 1400 lm
Input Watts: 9.8 W
Efficacy: 142 lm/W

IES FILE: AULED-24-1400-80-35-SO.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	501	501	501	501	501
5	499	499	499	499	499
15	477	479	480	481	482
25	435	437	442	447	447
35	376	380	389	395	397
45	307	313	323	330	331
55	233	239	250	257	258
65	158	164	175	182	184
75	86	93	104	111	114
85	24	31	35	36	37
90	1	1	2	2	2

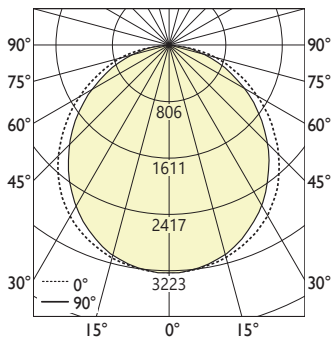
ZONAL LUMENS

Zone	Lumens
0	
0-10	47
10-20	135
20-30	202
30-40	240
40-50	245
50-60	218
60-70	168
70-80	106
80-90	35
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	641	675	693
55	600	643	666
65	552	612	643
75	492	593	649
85	415	599	635

PHOTOMETRIC CURVE 9000 lm



Luminaire Lumens: 9000 lm
Input Watts: 70.4 W
Efficacy: 127 lm/W

IES FILE: AULED-24-9000-80-35-SO.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3223	3223	3223	3223	3223
5	3209	3209	3210	3211	3207
15	3069	3076	3087	3095	3096
25	2794	2809	2844	2872	2875
35	2415	2442	2501	2541	2549
45	1972	2010	2077	2121	2131
55	1497	1537	1605	1650	1661
65	1015	1056	1125	1169	1183
75	554	596	668	715	731
85	157	197	227	233	241
90	6	8	11	13	14

ZONAL LUMENS

Zone	Lumens
0	
0-10	304
10-20	866
20-30	1299
30-40	1542
40-50	1572
50-60	1403
60-70	1083
70-80	678
80-90	223
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4121	4339	4452
55	3855	4134	4279
65	3548	3932	4136
75	3163	3815	4175
85	2667	3852	4082

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