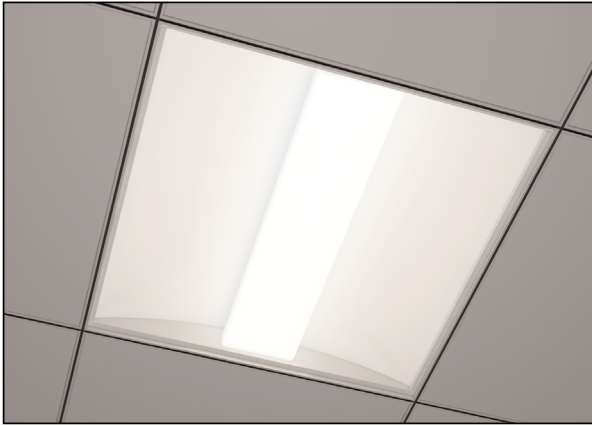


AURA 2x2 | Recessed T-Bar & Drywall



Project _____

Type _____

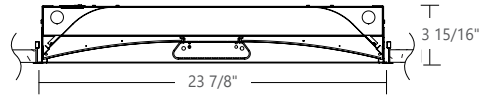
Notes _____

PERFORMANCE AT 3500K, 80CRI

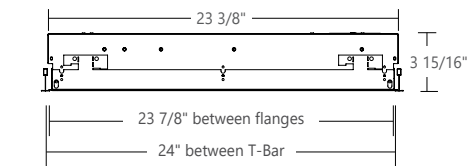
NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
1300 lm	9.4 W	138 lm/W
5000 lm	36.5 W	137 lm/W

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

SECTION VIEW



SIDE VIEW



Ordering Guide

AULED		22								SO				
PRODUCT ID		SIZE		TOTAL NOM. LUMENS		CRI		COLOR TEMP. (choose one)				SHIELDING		
AULED	Recessed LED	22	2'X2'	1300	1300 lm - Min	80	80 CRI	27	2700 K	TW2750 2700-5000 K - Tunable White			SO	spotless optics
				4500	4500 lm - Max at 90 CRI	90	90 CRI*	30	3000 K	TW2765 2700-6500 K - Tunable White				
				5000	5000 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	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit	TB9	t-bar 9/16"
W white	W white	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) *	DS(#)	daylight sensor	C	custom
		AR	air return	OS(#)	occupancy sensor		
		CP	Chicago plenum	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 2x2 | 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 2x2 | 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)

FINISH

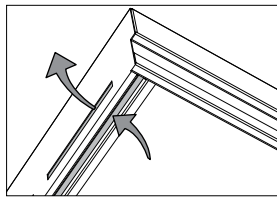
Highly reflective, matte powder coat white paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior.

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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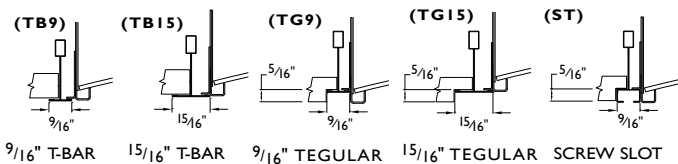
AIR RETURN



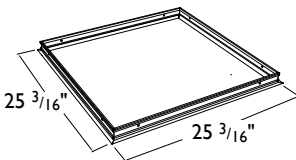
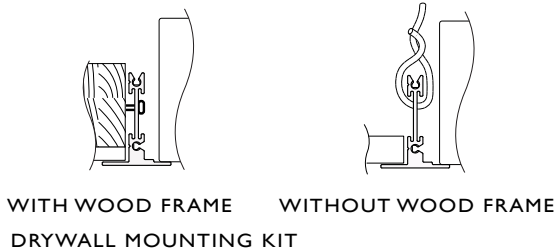
The air return (AR) option consists of discrete slots along the sides of the luminaire. These slots allow air to exhaust into the plenum and eliminate the need for unsightly air return grilles, and create a clean and well organized ceiling.

CEILING SYSTEM

T-BAR STYLE MOUNTING



DRYWALL WITH FLANGE KIT (DF)



FIXTURE DIMENSIONS
23 3/8" / 23 3/8"
CUT HOLE DIMENSIONS
24 7/16" / 24 7/16"

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

WEIGHT

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

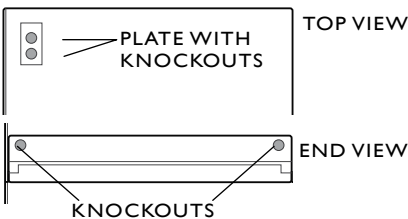
APPROVALS

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



STANDARD AND END MOUNT POWER FEED

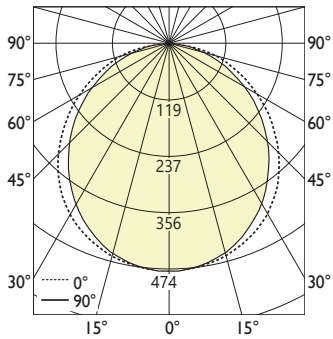
Knockouts for BX cable connection are provided both on the top and on the ends of the luminaire. This allows for an end mount power feed solution if it is required. (BX CABLE BY OTHER)



AURA 2x2 | Recessed T-Bar & Drywall

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE 1300 lm



Luminaire Lumens: 1300 lm
Input Watts: 9.4 W
Efficacy: 138 lm/W

IES FILE: AULED-22-1300-80-35-SO.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	474	474	474	474	474
5	471	471	472	473	473
15	447	449	453	456	457
25	402	406	415	421	424
35	344	350	361	370	374
45	278	284	296	306	310
55	209	215	227	236	240
65	140	145	157	165	169
75	75	80	91	99	103
85	20	25	30	31	32
90	1	1	1	1	1

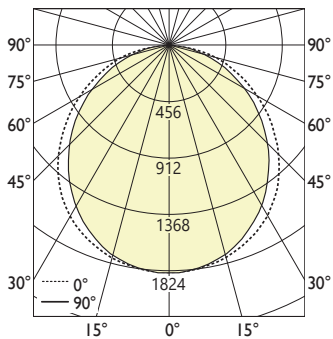
ZONAL LUMENS

Zone	Lumens
0	
0-10	45
10-20	127
20-30	190
30-40	224
40-50	227
50-60	201
60-70	154
70-80	95
80-90	31
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	1181	1258	1318
55	1094	1187	1257
65	996	1114	1202
75	870	1057	1193
85	696	1024	1111

PHOTOMETRIC CURVE 5000 lm



Luminaire Lumens: 5000 lm
Input Watts: 36.5 W
Efficacy: 137 lm/W

IES FILE: AULED-22-5000-80-35-SO.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1824	1824	1824	1824	1824
5	1811	1813	1816	1817	1818
15	1718	1726	1742	1753	1758
25	1548	1563	1594	1619	1630
35	1324	1345	1387	1423	1438
45	1070	1093	1140	1178	1194
55	804	826	872	908	923
65	539	559	603	635	651
75	289	309	350	381	396
85	78	95	114	120	124
90	4	4	4	4	5

ZONAL LUMENS

Zone	Lumens
0	
0-10	172
10-20	490
20-30	731
30-40	863
40-50	874
50-60	775
60-70	593
70-80	366
80-90	120
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4544	4840	5069
55	4207	4565	4834
65	3829	4283	4622
75	3347	4065	4590
85	2676	3938	4272

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