

DUO T-BAR



Project: _____

Type: _____

Notes: _____

DUO T-Bar, recessed fixture. Designed with architectural appeal, high efficacy levels, perfected beam performance and easy installation. The DUO T-Bar recessed fixture simplifies installation with a light weight design using a 6" emitting area and shallow depth for easy integration onto an existing T-Bar grid system.

5 Year Warranty
Patent Pending

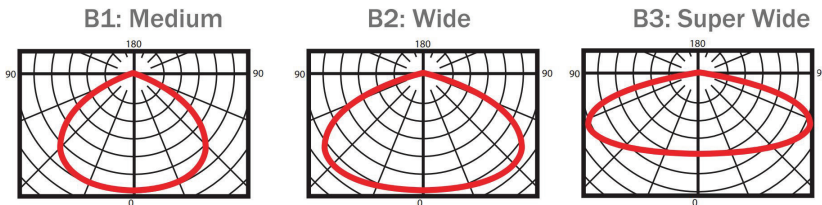


Ordering Guide

DuoT1									
ARON ID		LENGTH		LUMENS		BEAM		COLOR TEMP.	
DuoT1	Duo T-Bar	2 FA	2'	2000	2000 lumens	B1	Medium	3000K	3000 K
		4 FA	4'	2500	2500 lumens	B2	Wide	3500K	3500 K
		6 FA	6'	3000	3000 lumens	B3	Super-Wide	4000K	4000 K
		8 FA	8'	4000	4000 lumens				
				5000	5000 lumens				
				6000	6000 lumens				
				8000	8000 lumens				
				10000	10000 lumens				
				12000	12000 lumens				
				*Consult factory for custom lumen packages *MAX Output 1500 lum/ft					

CRI		VOLTAGE		DRIVER		EMERGENCY BATTERY	
80	80 CRI	UNV	120-277V	ND	No Dimming	10W	10W EM
90	90 CRI			DM	Factory 0-10V dim1%	20W	20W EM
				LT	Lutron Hi Lume (LT)	SYS	Syntec - System

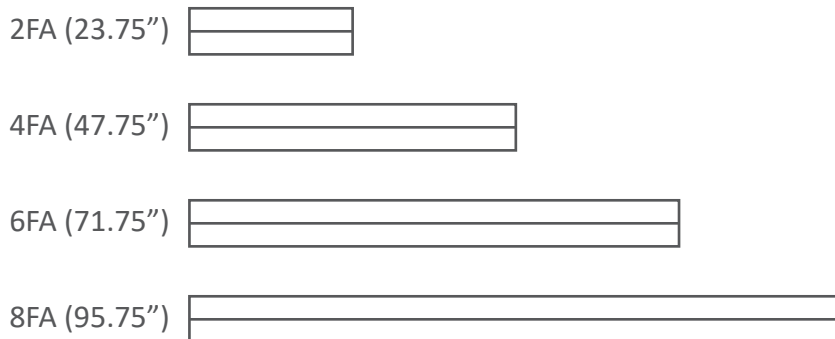
Optical Performance



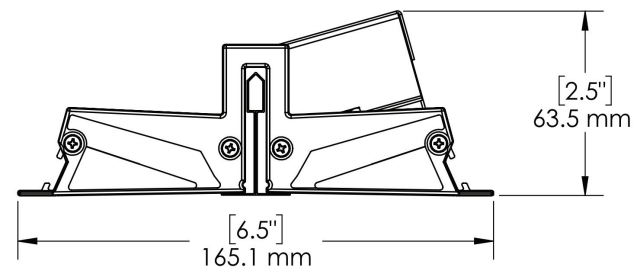
Lumens	Watts	Efficacy (lm/W)
2000	17.3	115.6
2500	22.0	113.3
3000	26.8	111.8
4000	32.4	123.4
5000	40.8	122.6
6000	49.1	122.1
8000	68.0	117.5
10000	84.3	118.6
12000	103.8	115.6

*All values at 3500K

Application Sizes



Dimensions



Construction

- Extruded aluminum housing
- Injection molded ABS end caps
- Powder coated paint
- Galvanized sheet metal components
- Mate with 15/16, 9/16 and bolt slot TBars

Optical

- Choice of 3 beam distributions
- Cast acrylic light guide
- Extruded volumetric diffuser
- Minimum 80 or 90 CRI
- 3000K, 3500K, 4000K
- ≤ 3 SDCM

Electrical

- Integral high efficiency driver
- 0-10V dimming (1%) standard
- Class 2
- Optional battery pack
- Add-on sensor ready

Weight

- 2FA = 5.7 lbs
- 4FA = 9.6 lbs
- 6FA = 13.1 lbs
- 8FA = 18.8 lbs

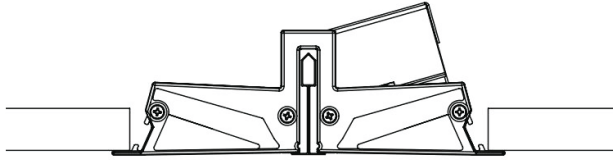
Standard Mounting

2FA on 2x2 or 2x4 grid
4FA on 2x4 grid (4' span)

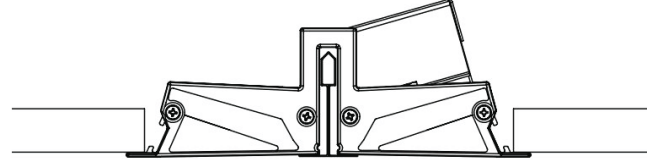
Contact your local Armstrong Representative for Made to Order Tiles

*Note for 6FA and 8FA Fixtures

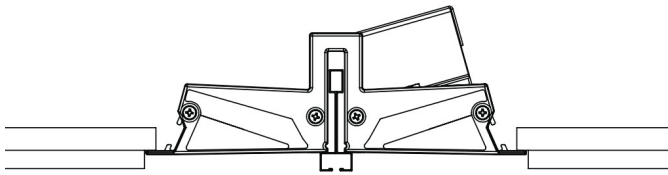
Coordinate lighting fixture installation with ceiling contractor, refer to install instructions for clarification



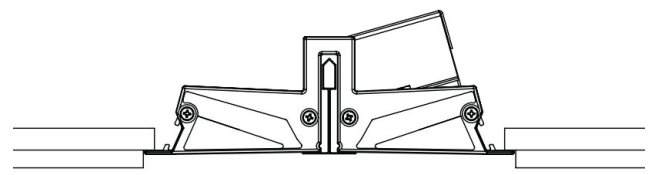
9/16" Flat T-Bar



15/16" Flat T-Bar



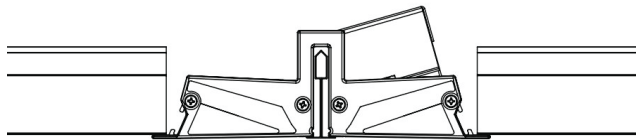
9/16" Screw Slot T-Bar



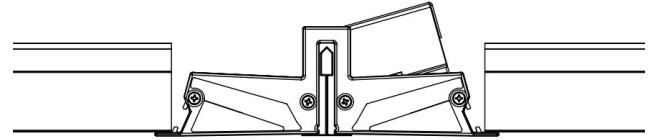
9/16" or 15/16" Flat T-Bar with Tegular Tiles

Mounting With Intersecting Cross-T

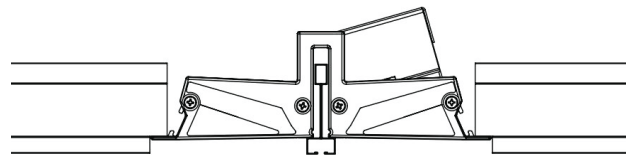
4FA, 6FA, 8FA on 2x2 grid
4FA on 2x4 grid (2' span)
6FA, 8FA on 2x4 grid



9/16" Flat T-Bar



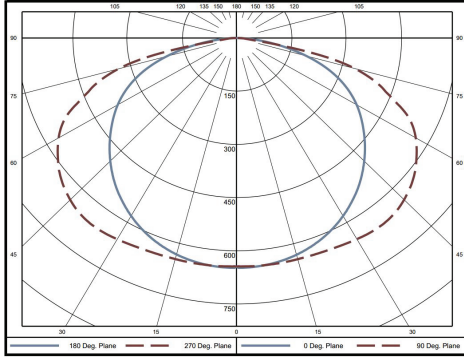
15/16" Flat T-Bar



9/16" Screw Slot T-Bar

Model Tested: DuoT1-2FA-2500-B2-3500K-80-UNV-DM

Photometric Curve



Candela Distribution

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	644.5	644.5	644.5	644.5	644.5
5	646.6	643.9	643	643.9	645
15	632.4	631.6	636	642.2	645.6
25	601.8	605.3	621.6	640.5	649.5
35	554	564.7	602	642.4	658.9
45	491.8	512.6	571.6	624	644.4
55	418.3	445.8	514.3	576.2	597
65	330.6	358.4	432.6	493.7	510.6
75	198.6	222.5	264.1	308.1	333.2
85	48.7	49.5	27.9	26	25.9
90	0	0	0	0	0

Zonal Lumens

Zone	Lumens
0-10	61.60
10-20	180.88
20-30	289.24
30-40	382.14
40-50	447.83
50-60	474.82
60-70	445.03
70-80	280.17
80-90	50.12

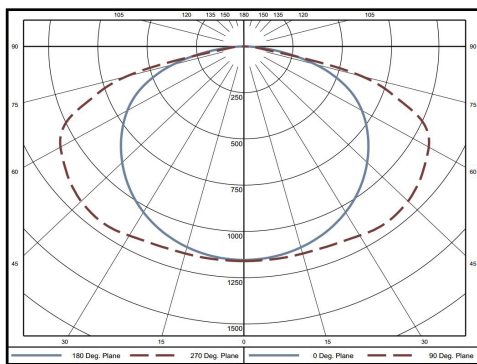
Luminance Data (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8476	9852	11110
55	8887	10930	12680
65	9532	12480	14720
75	9350	12440	15690
85	6809	3906	3620

Length: 2ft
Lumens/ft: 1307
Total Lumens: 2614
Input Watts: 23.1 W
Efficacy: 113.3 lm/W

Model Tested: DuoT1-4FA-5000-B2-3500K-80-UNV-DM

Photometric Curve



Candela Distribution

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1157	1157	1157	1157	1157
5	1150	1152	1154	1158	1159
15	1124	1129	1140	1153	1159
25	1073	1083	1114	1150	1167
35	994	1015	1083	1161	1195
45	890	926	1041	1138	1182
55	767	817	955	1073	1124
65	616	668	809	953	1018
75	381	421	480	567	621
85	93	85	57	58	60
90	3	5	6	7	7

Zonal Lumens

Zone	Lumens
0-10	110
10-20	323
20-30	516.5
30-40	682.4
40-50	799.7
50-60	847.9
60-70	794.7
70-80	500.3
80-90	89.5

Luminance Data (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8303	9714	11030
55	8815	10990	12920
65	9605	12620	15900
75	9702	12230	15820
85	7054	4306	4506

Length: 4ft
Lumens/ft: 1266
Total Lumens: 5064
Input Watts: 41.3 W
Efficacy: 122.6 lm/W