



section view

FEATURES OF TUBES FAMILY

The Tubes Family, the newest in decorative lighting, allows for optimum creative expression with the capability to create any shape you want while focusing light in any desired direction.

With only a 1/2" in diameter, the Tubes are ideal for bringing a sleek, minimalist, and modern feeling to any space. The Tube Family is designed as suspended mount decorative pieces, which require one remote driver per fixture that fits into the ceiling, for a clean aesthetic without unpleasant bulk. By attaching our slender 23 1/4" or 45" tubes to any of our 9 accessory connectors with eye-catching brass and black finishes, test out infinite positions and combinations of tubes to attain a simple or complex design. There is no limit to your vision with Tubes. Achieve cube, hexagon, pendant, and unlimited other shapes, with rotational capabilities of the half-lit fixture for uplighting, downlighting, wall wash, and even more bold styles to customize your illumination for applications in high-end hospitality spaces, restaurants, retail, corporate offices, and residential spaces.

SERIES	DELIVERED LUMENS	WATTAGE				
FTL-TL-2	360	6.7W				
FTL-TL-4	720	12W				

Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

SERIES Tu	ıbes series
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SIZE 23", 45"

DIMMING On / Off

LIFETIME L70 at 60,000 Hours

In Accordance with IES LM79-08, LM80 and PHOTOMETRIC TESTS TM-30, TM-21



CCT

CRI

FINISH

COLOR OUALITY



2700K, 3000K, 3500K, 4000K, 5000K

2 Step MacAdam Ellipse

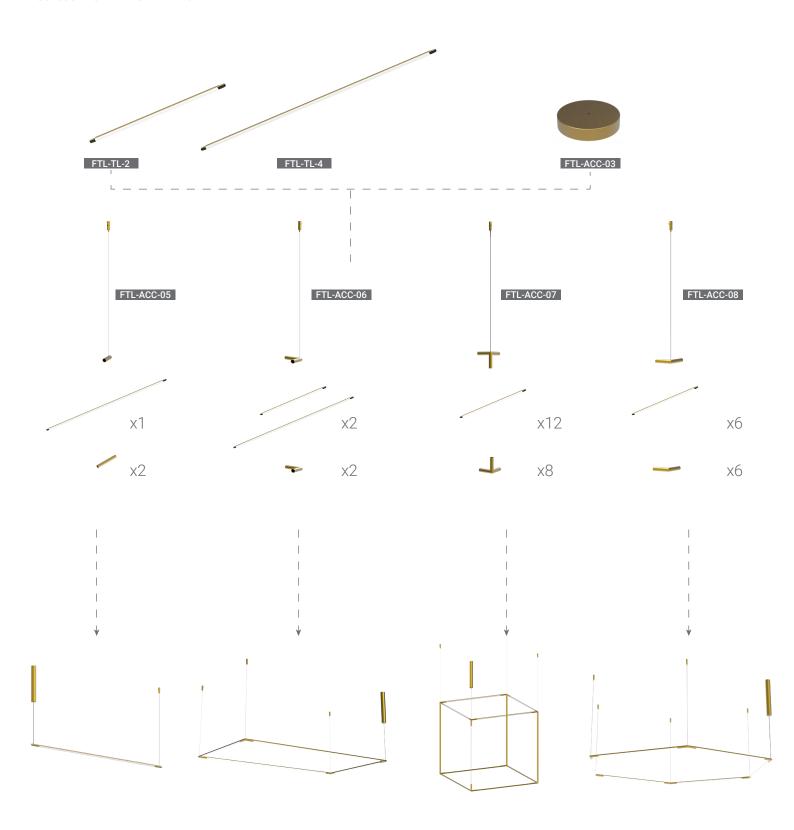
■ BR (Brass) ■ BK (Black)



EXAMPLE:				
SERIES	сст	CRI	ACCESSORY	FINISH
FTL-TL-2	□ 27K □ 30K □ 35K □ 40K □ 50K	□ 90	☐ FTL-ACC-05 ☐ FTL-ACC-06 ☐ FTL-ACC-07 ☐ FTL-ACC-08 ☐ FTL-ACC-09 ☐ FTL-ACC-10	☐ BR (Brass) ☐ BK (Black)
FTL-TL-4			☐ FTL-ACC-11 ☐ FTL-ACC-12 ☐ FTL-ACC-13	

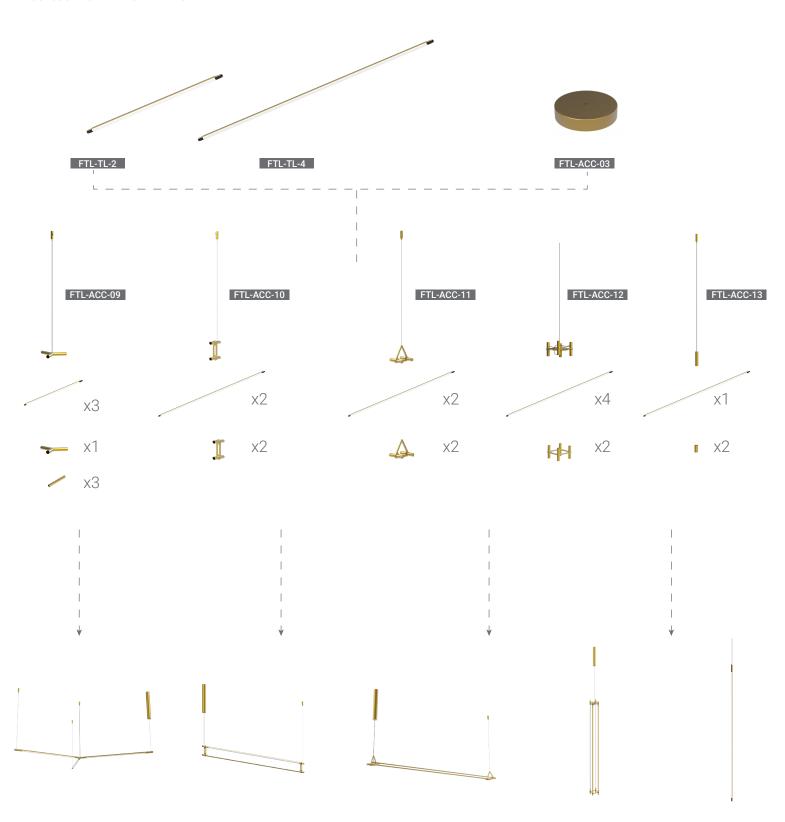


ACCESSORIES AND INSTALLATION





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FTL-TL-2-30K-90 TEST NO.: 220080

INPUT WATTS: 6.7	LUMENS: 357	EFFICACY: 53		BEAM ANGLE: 150		SPACING CRITERIA: 1.34				
CANDELA DISTRIBUTION		LUMINANCE (cd/sq.m)		LUMENS PER ZONE		CONE OF LIGHT				
10	90		0.00°	90.00°	ZONE	LUMENS	MOUNTING	FC AT BEAM		BEAM DIA.
20	80'	0.00°	92433	92433	0° - 10°	10	HEIGHT	CENTER	0°-180°	90°-270°
301	\mathcal{H}	45.00°	102648	84846	10° - 20°	28	6.0 ft	2.8 fc	45.7 ft	17.3 ft
40	/ /70°	55.00°	112836	80791	20° - 30°	42	8.0 ft	1.6 fc	61.0 ft	23.1 ft
	600	65.00°	133305	74272	30° - 40°	52	10.0 ft	1.0 fc	76.2 ft	28.8 ft
***	X/ ¹⁰		184117	62453	40° - 50°	56	12.0 ft	0. <mark>7 fc</mark>	91.4 ft	34.6 ft
80	50°	75.00°			50° - 60°	54	14.0 ft	0.5 fc	106.7 ft	40.4 ft
90 40	jo	85.00°	467214	41865	60° - 70°	48	16.0 ft	0.4 fc	121.9 ft	46.1 ft
100 30°					70° - 80°	39	18.0 ft	0.3 fc	137.1 ft	51.9 ft
110 0° 10° 20°					80° - 90°	29	20.0 ft	0.3 fc	152.4 ft	57.7 ft

FTL-TL-4-30K-90 TEST NO.: 220080

INPUT WATTS: 11.8	LUMENS: 713	EFFICACY: 60		BEAM ANGLE: 149		SPACING CRITERIA: 1.36					
CANDELA DISTRIB	CANDELA DISTRIBUTION		LUMINANCE (cd/sq.m)		LUMENS PER ZONE		CONE OF LIGHT				
25	90		0.00°	90.00°	ZONE	LUMENS	MOUNTING	FC AT BEAM		BEAM DIA.	
50	\$0	0.00°	95676	95676	0° - 10°	19	HEIGHT	CENTER	0°-180°	90°-270°	
	4/	45.00°	110056	88197	10° - 20°	55	6.0 ft	5.6 fc	47.0 ft	17.4 ft	
100	/ 70°	55.00°	121446	84119	20° - 30°	84	8.0 ft	3.2 fc	62.6 ft	23.2 ft	
125	600	65.00°	144473	77347	30° - 40°	104	10.0 ft	2.0 fc	78.3 ft	29.0 ft	
150			199589	64827	40° - 50°	112	12.0 ft	1.4 fc	94.0 ft	34.8 ft	
130	50°	75.00°			50° - 60°	109	14.0 ft	1.0 fc	109.6 ft	40.6 ft	
40°		85.00°	498233	38080	60° - 70°	96	16.0 ft	0.8 fc	125.3 ft	46.4 ft	
200 300					70° - 80°	77	18.0 ft	0.6 fc	140.9 ft	52.2 ft	
0° 10°					80° - 90°	57	20.0 ft	0.5 fc	156.6 ft	58.0 ft	

