

INCANDESCENT FASTUBE

Interior or exterior delineation and guide lighting using miniature lamps.

CAT:	FEET:
TYPE:	PROJECT:

FEATURES

- Incandescent illumination for accent lighting to replace existing retro-historic applications with visible points of light
- Ultraflex round FTI-05 (1/2") or semi-rigid rectangular FTI-03 (1/4" x 5/16") clear tubing profile, 20' Max.
- Available in standard length field cuttable tubes or manufactured to specific lengths with requested end prep and wet sealed tubes
- Dimming available

SPECIFICATIONS

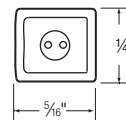
LAMP DATA	WATTAGE	LAMP LIFE*	VIEWING ANGLE
Miniature incandescent	0.9W Lamp driven to 0.78W each	25,000 hrs.	360°

- Spacing** - Lamp spacing: 1", 2", 3", 4" & 6" O.C.
1" O.C. available in 8' Max length tubes
2" O.C. available in 15' Max length tubes
All other spacings available up to 20' Max
- Lamp** - Uses 28VAC 0.9W miniature incandescent, parallel wired and powered at 24V AC for 0.78W per lamp
- Mounting** - Mounting channel for linear mounting or mounting clips (1 per foot) for radius curved applications
- Effects** - Chase circuit available, consult factory
- Installation** - Wired in parallel (Each lamp independantly wired) for field-cut solutions. Product is shipped "lead-wire / dead-end" as standard. See accessories for "lead-wire / lead-wire" option
- Max lamps** - 110 lamps per 4A circuit
- Max Run Length** - Run lengths are limited by 3A max runs. See chart on page 3
- Power Supply** - Listed Class II 24V AC power supply required
- Listing** - UL wet listed for indoor or outdoor Class II applications
- Field cuttable option is UL Dry/Damp listed for indoor use
- Wet listed option is factory assembled and sealed to specific lengths for UL Wet Listing for outdoor use
- Warranty** - 1 Year Warranty



PROFILES

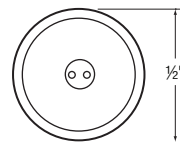
FTI-03 SEMI-RIGID



Rectangular Tube - 1/4" x 5/16" Polycarbonate

- Clean edge or mortised fit into extrusions for steps and paths, tile, woodwork and mirrors; route into floors and walls
- Bends to a 6" minimum radius
- Color: Clear

FTI-05 ULTRAFLEX



Round Ultraflex Tube- 1/2" dia. Vinyl (Tygon)

- Standard for surface mounting, also may be draped or sewn into fabric banners or theatrical curtains
- Enough flexibility for contoured forms
- Bends any radius with mounting clamps
- Color: Clear

INCANDESCENT FASTUBE ORDER SPECIFICATION GUIDE

Example: FTI-03-01-2-24-W

PRODUCT CODE	PROFILE	LAMP SPACING	LENGTH	VOLTAGE	WET LISTED OPTION	REQUIRED POWER SUPPLY
FTI	-	-	-	24	W	PSU
INCANDESCENT FASTUBE	03 = 1/4" x 5/16" Rectangular 05 = 1/2" Round Ultraflex	01 = 1" ^a 02 = 2" ^b 03 = 3" ^c 04 = 4" 06 = 6"	2 = 2' 4 = 4' 6 = 6' 8 = 8' 10 = 10' 15 = 15' 20 = 20'	24 = 24V AC	Wet listed option requires exact length measurement and weather seal end-prep accessory option	See power supply sheets

Ordering Information

Products are manufactured to customer specified lengths. A light tube guide or drawing should accompany each order showing each tube length.

^a 8' maximum for 1" O.C.
^b 15' maximum for 2" O.C.
^c 20' maximum for 3", 4" and 6" O.C.

REQUIRED POWER SUPPLY OPTIONS

- SC-100-1-4-24-A
- SC-300-3-4-24-A
- SCH-300-3-4-24-A
- SC-500-5-4-24-A
- SCH-500-5-4-24-A

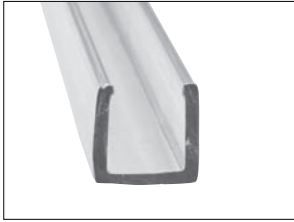
- ## OPTIONAL DIMMERS
- N-600
 - N-1000
 - N-1500
 - NH-600
 - NH-1000

See power supply specifications for more information

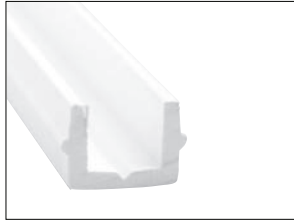


INCANDESCENT FASTUBE

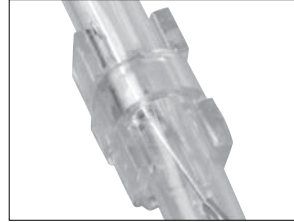
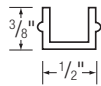
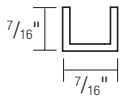
MOUNTING ACCESSORIES



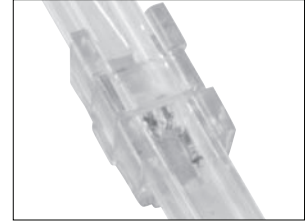
FTI-TC-2015 Mounting Channel
Clear rigid polycarbonate mounting channel creates a straight linear application effect.



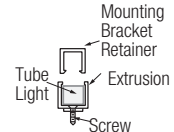
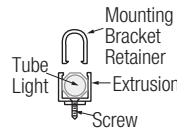
FTI-TC-2030 Mounting Channel
White flexible PVC mounting channel. Side shape allows for secure embedded application to poured cement areas with enough rigidity to outline any linear form.



FTI-05-BMC Mounting Clamp
Clear two-piece polycarbonate mounting clamp for the FTI-05 rounded profile tubing.



FTI-03-BMC Mounting Clamp
Clear two-piece polycarbonate mounting clamp for the FTI-03 rectangular profile tubing.



WIRING ACCESSORIES



FASTUBE CONNECTOR

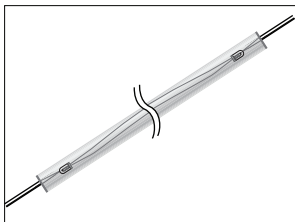
KITS: 9 feet 22GA wire, 7 each plugs w/notch, 7 each dead end plugs, 14 each miniature crimp connectors, 4 pieces of 1 1/2" shrink tube, 2 each replacement lamps, instructions.

FTI-03-KIT Fastube connector kit for FT03

FTI-05-KIT Fastube connector kit for FT05

FTI-XEP-22 Extra length lead wire (22 gauge)

FTI-DBL-TP Double sided tape



FTI-03-EP-D Lead wire / lead-wire end prep for rectangular product profile

FTI-05-EP-D Lead wire / lead-wire end prep for round product profile

PHOTOMETRIC INFORMATION

- Luminaire: 1/2" Incandescent Fastube light tubing

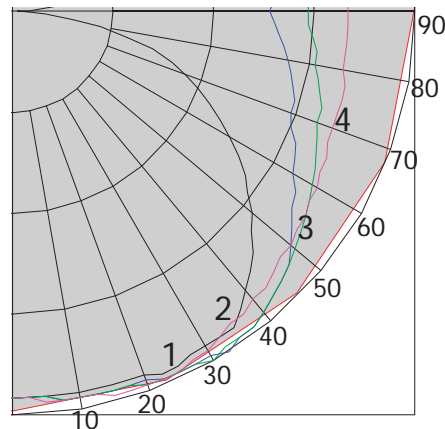
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	.59	N.A.	8.1
0-40	1.03		14.1
0-60	2.09		28.5
0-90	3.66		50
90-120	1.57		21.4
90-130	2.12		29
90-150	3.07		29
90-180	3.66		50
0-180	7.32		100

Total Luminaire Efficiency = N.A.%

LUMINANCE DATA (cd/sq.m)

Angle°	Average 0°	Average 45°	Average 90°
45°	595	460	401
55	603	467	410
65	609	491	433
75	627	551	484
85	335	662	573



Maximum Candela = .72 Located At Horizontal Angle = 37.5, Vertical Angle = 32.5
 # 1 - Vertical Plane Through Horizontal Angles (37.5 - 217.5) (Through Max. Cd.): BLUE
 # 2 - Vertical Plane Through Horizontal Angles (0 - 180): BLACK
 # 3 - Vertical Plane Through Horizontal Angles (45 - 225): GREEN
 # 4 - Vertical Plane Through Horizontal Angles (90 - 270): MAGENTA



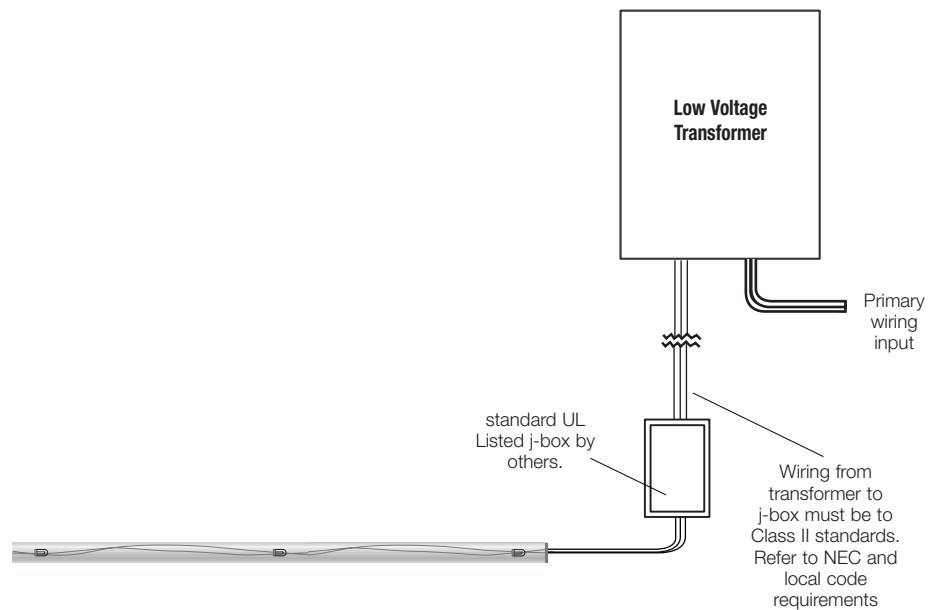
INCANDESCENT FASTUBE

RECOMMENDED POWER SUPPLIES

PART #	PRIMARY AND SECONDARY	TOTAL WATTAGE / AMPERAGE PER BREAKER	LISTING	DIMENSIONS	WEIGHT	ELECTRONIC OR AC MAGNETIC	DIMMABLE (Y OR N)
SC-100-1-4-24-A	120V AC / 24V AC	100 / 1X4A	ETL	4.88"W X 4.63"L X 6.75"D		Magnetic	Y: A
SC-300-3-4-24-A	120V AC / 24V AC	300 / 3X4A	ETL	5.63"W X 5.25"L X 8.25"D		Magnetic	Y: A
SCH-300-3-4-24-A	277V AC / 24V AC	300 / 3X4A	ETL	5.63"W X 5.25"L X 8.25"D		Magnetic	Y: D
SC-500-5-4-24-A	120V AC / 24V AC	600 / 5X4A	ETL	5.63"W X 5.25"L X 10.25"D		Magnetic	Y: B
SCH-500-5-4-24-A	277V AC / 24V AC	600 / 5X4A	ETL	5.63"W X 5.25"L X 10.25"D		Magnetic	Y: E

DIMMERS

SELECTOR	DIMMER	TYPE	CONTROL SIGNAL	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX LOAD	BREAKER RATING	DIMENSIONS
A	N-600	AC Magnetic	N/A	120V AC	120V AC	450W Max.	N/A	Recessed Single gang box
B	N-1000	AC Magnetic	N/A	120V AC	120V AC	800W Max.	N/A	Recessed Dual gang box
C	N-1500	AC Magnetic	N/A	120V AC	120V AC	1200W Max.	N/A	Recessed Dual gang box
D	NH-600	AC Magnetic	N/A	277V AC	277V AC	450W	N/A	Recessed Single gang box
E	NH-1000	AC Magnetic	N/A	277V AC	277V AC	800W	N/A	Recessed Dual gang box



LAMP SPACING	VOLTAGE	MAX LAMPS PER CONTINUOUS 3A RUN	MAX DISTANCE	AVAILABLE LENGTHS
1" O.C.	24V AC	80 Lamps	80"	2, 4 or 6ft
2" O.C.	24V AC	80 Lamps	160"	2, 4, 6, 8 or 10ft
3", 4" or 6" O.C.	24V AC	80 Lamps	240"	2, 4, 6, 8, 10, 15 or 20ft