FLEX TUBE SC ™

ACCLAIM LIGHTING

Client:	
Project:	
Type:	
Order Code:	
Quantity:	

Flex Tube SC is a flexible, direct view LED strip that features a single color output. It comes in a 10m spool that can be cut to length to suit project requirements or you can specify custom build to order lengths. It features a highly durable PVC body which is outdoor rated and impact resistant.
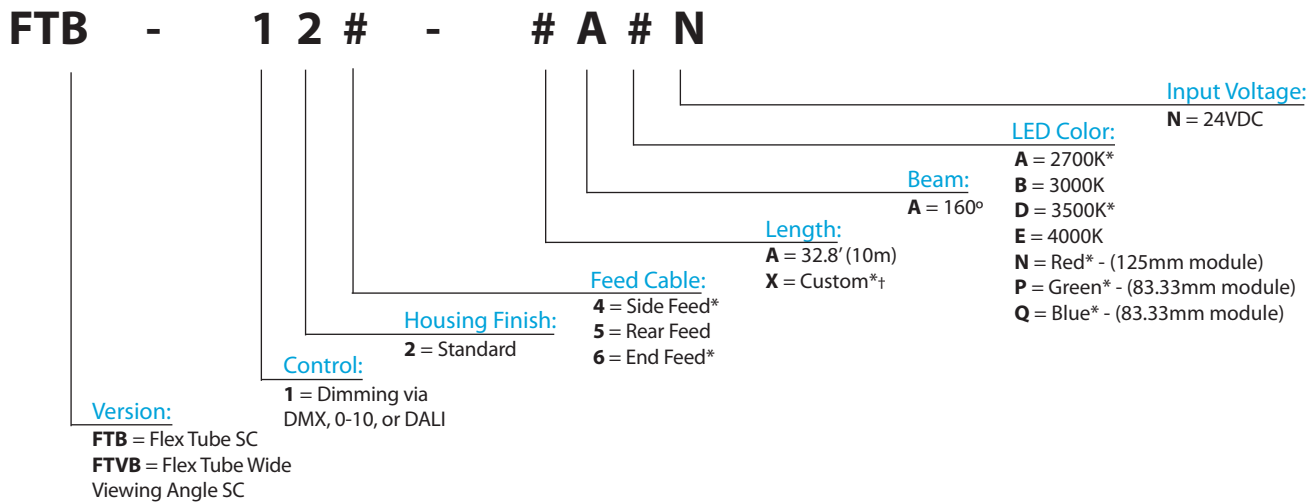
SPECIFICATIONS

|	
Colors	2700K, 3000K, 3500K, 4000K, Red (125mm module), Green and Blue (83.33mm module)
Beam Angle	160º
Photometrics	Up to 120 lumens per foot, see page 4 for details
Strip Length	32.8' (10m) field-cuttable spool, or built to order lengths in 100mm (3.93") sections
Dimming Protocol & Channel Count	DMX/RDM (0-100%), 0-10V (10-100%), or DALI (0-100%) via AL Driver Series, 1 channel
Maximum Fixture Runs	32.8' (10m), 1 spool
Power Consumption	3.75W per foot, 12W per meter, 123W per 32.8' (10m) spool
Operating Voltage	24VDC
Lumen Maintenance	L70 @ 50,000 hours (25º C)
Mounting	Locking aluminum mounting channel, 1.37" (35mm), 3.28' (1m), or 6.56' (2m) lengths
Finish	White / red, green, and blue versions have matching color housing
Material	PVC
Ambient Operating Temperature	-40º F to 131º F (-40º C to 55º C)
IP Rating	IP68, wet location and submersible*
IK Rating	IK08, protection against 5 joule impact
Fixture Connectors	9.84' (3m) injection molded feed cable and end cap included
Warranty	3 Years standard, 5 years optional (with additional charge), limited
Weight	7.6 lbs (3.5 kg) - 10m Spool
Dimensions	**L:** As specified **W:** 0.45" **H:** 0.88" / **L:** As specified **W:** 11.5 **H:** 22.5mm
Certifications	c(UL)us CE

*UL approval limits submersible installation to non-human occupied and freshwater locations only. All cables must be landed in environmentally suitable junction boxes.

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ORDER CODES

* indicates special order

FTB - 1 2 # - # A # N

Version:
FTB = Flex Tube SC
FTVB = Flex Tube Wide
Viewing Angle SC

Control:
1 = Dimming via
DMX, 0-10, or DALI

Housing Finish:
2 = Standard

Feed Cable:
4 = Side Feed*
5 = Rear Feed
6 = End Feed*

Length:
A = 32.8' (10m)
X = Custom*†

Beam:
A = 160º

LED Color:
A = 2700K*
B = 3000K
D = 3500K*
E = 4000K
N = Red* - (125mm module)
P = Green* - (83.33mm module)
Q = Blue* - (83.33mm module)
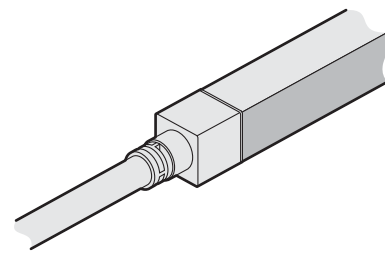
Input Voltage:
N = 24VDC

† : When ordering custom lengths, please specificy number of 3.93" (100mm) sections required after X (32.8', 10m maximum).
Example order code: **FTB-125-X40ASN = 100mm x 40 / 4m spool**
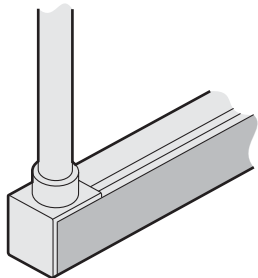
FTB-124-####, Side Feed
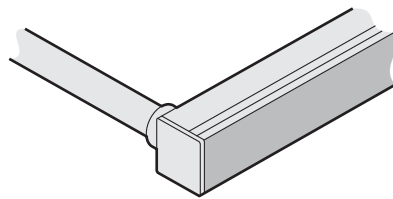
FTB-125-####, Rear Feed

FTB-126-####, End Feed

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RELATED COMPONENTS

Power Supplies (for use with single channel drivers or non dimming applications)

APS-240-24
1 spool maximum
240W, 24VDC, Dry location, DIN rail mount
115-230VAC (47-63Hz) input

APS-300-24-IP
2 spools maximum
300W, 24VDC, IP66 Damp location
100-277VAC (50-60Hz) input

APS-480-24
3 spools maximum
480W, 24VDC, Dry location, DIN rail mount
115-230VAC (47-63Hz) input

Single Channel Multi Protocol Driver (for use with stand alone power supplies above when dimming is required)
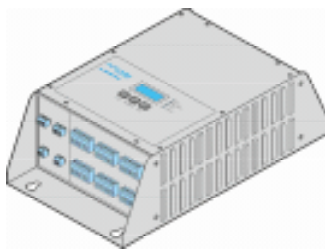
ALD001
AL Driver 1
Single channel DMX + 0-10V (sink & source) driver, 0 -100% dimming range
6-24VDC input, 1 spool maximum
Use in conjunction with APS series

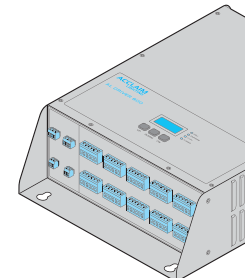### DMX Multi Protocol Drivers AL Driver 200/400/800

ALD-200-24
AL Driver 200 24V, 1 spool max
200W 24V power supply DMX,
0-10V (sink & source) & DALI driver
4 output ports, 100-277VAC input

ALD-400-24
AL Driver 400 24V, 3 spools max
400W 24V power supply + DMX,
0-10V (sink & source) & DALI driver
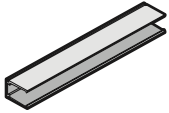6 output ports, 100-277VAC input

ALD-800-24
AL Driver 800 24V, 6 spools max
800W 24V power supply + DMX,
0-10V (sink & source) & DALI driver
10 output ports, 100-277VAC input

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RELATED COMPONENTS

Mounting Accessories

FTCH35
35mm (1.37") self lock mounting channel
Aluminum profile, includes 2 screws

FTCH1000
1m (3.28') self lock mounting channel
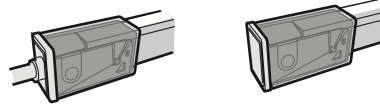Aluminum profile, includes 5 screws

FTCH2000
2m (6.56') self lock mounting channel
Aluminum profile, includes 10 screws

Connection Accessories

FTBFC-01
3m (9.84') feed cable + connector for Flex Tube SC
Maintains IP68 rating, 2nd generation toolless design

FTEC-02
End cap for top emitting Flex Tube
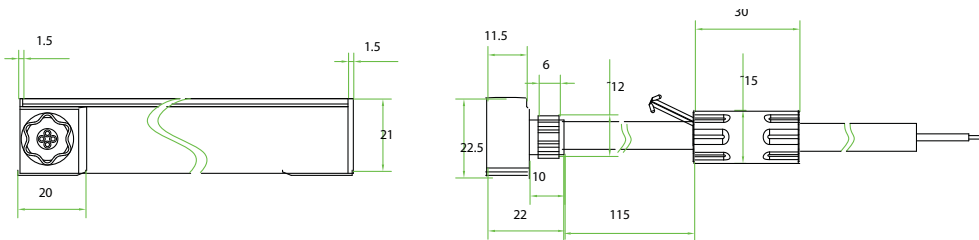Maintains IP68 rating, 2nd generation toolless design

Additional Accessories

FTTK2
Flex Tube Toolkit
One required per project

PHOTOMETRICS

Color	Lumens (per foot)	Max Candela	CRI	Lumens per Watt
2700K	98.26	34	69.3	27.29
3000K	110.9	37	70.6	30.81
3500K	115.2	37	69.5	32.91
4000K	120.7	38	66.6	36.58
Green	in testing	-	-	-
Red	37	13	N/A	17.81
Blue	7.9	3	N/A	2.43

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DIMENSIONS (in mm)

Rear Feed (FTB-125)
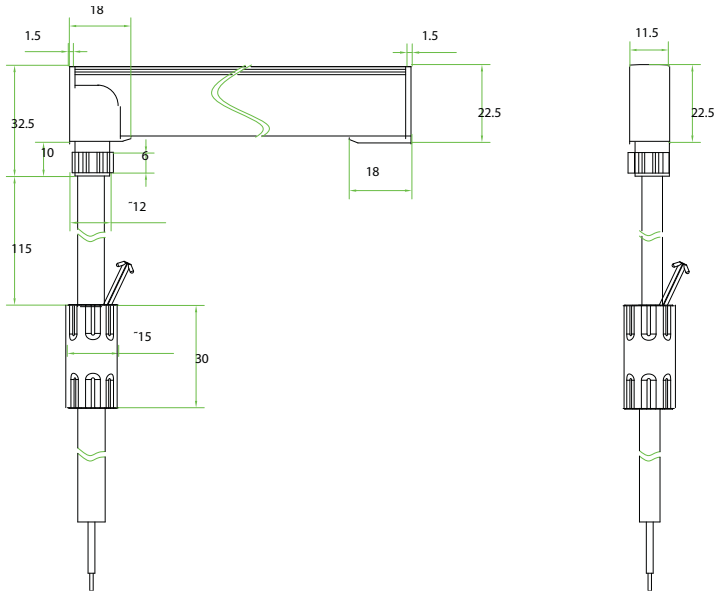
Side Feed (FTB-124)

End Feed (FTB-126)

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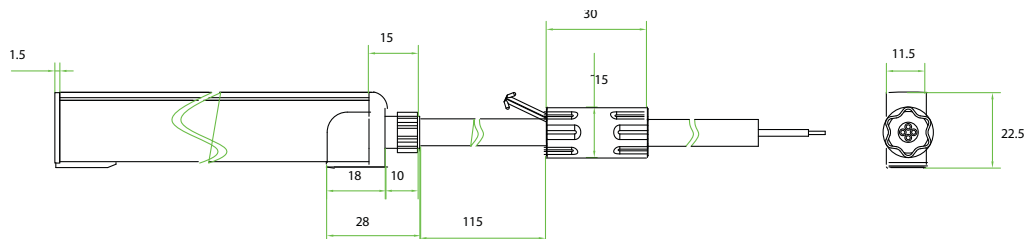
DIMENSIONS - WVA Model (in mm)