



fluobus[™]
T5 fluorescent up/downlights

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Litelab's FluoBus product line is ideal for architectural lighting designs that require a combination of fluorescent and task lighting. FluoBus combines Litelab's unique BusRun busway track lighting with a T5 fluorescent up or downlight component, in an attractive suspended extrusion system.





LED FluoBus is now available!

For details call Litelab at 716.856.4491

The PACE Gallery located in the 798 Arts District of Beijing relies on FluoBus to light their collection and provide general uplighting in the gallery spaces.



The system is designed to work just like a track system with starters at both ends – one for the uplight and one for the downlight. The various section lengths are designed around T5 lamp lengths. However, the system may be modified in length to fit the architecture of the space. While the bus component of the system was designed

FluoBus may be configured as a single lighting component up to 4 meters long, as a grid formation, as a linear lighting system, or wall-mounted as a wall grazing system. In all configurations, you may specify either light source as up or downlight. Both the T5 and the BusRun may be configured as continuous or intermittent up or down light, or both in the same run.

Additionally, these fixtures have several unique features. Accessories include louvers, lenses, and dimming ballasts. Ballast placement is under the fixture so the fluorescents butt end-to-end for a “no dark spots” appearance. If the application requires a more finished appearance, the bus maybe replaced by a solid snap-in aluminum cover with track fixtures permanently attached – perfect for over the conference table.

with Litelab’s Jewelers Collection in mind, the bus is the only UL-approved system to accept other manufacturers’ track fixtures. Consult Litelab’s Application Department for product selection assistance.

The system can be wall-mounted as well as cable or pendant mounted. Starters can be fed with color coordinated cables or pendants depending on the amperage required. BusRun’s 60 amp maximum capacity allows for installation economy of fewer longer runs should the job require it.

The variety of design permutations of this product makes it a welcome tool in the designer’s tool box. Put it to the test, and specify it on your next job.

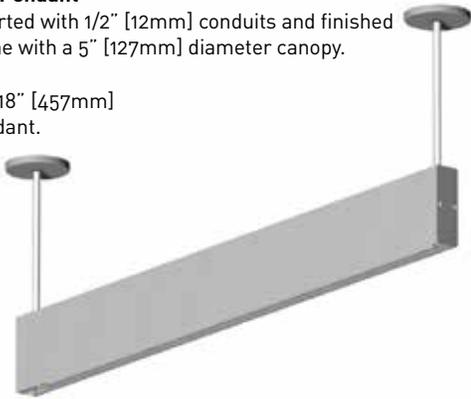
fluobus: mounting options



Ceiling Mounted Pendant

FluoBus is supported with 1/2" [12mm] conduits and finished at the ceiling plane with a 5" [127mm] diameter canopy.

Mounting height 18" [457mm]
standard for pendant.

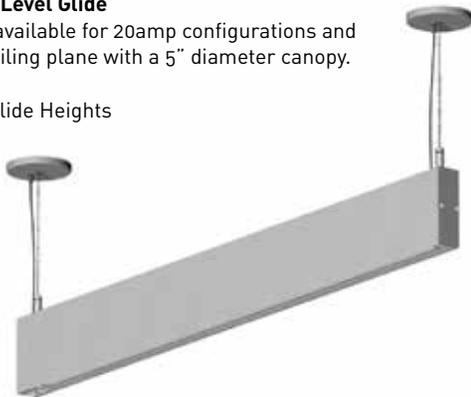


The image shown above details the FluoBus **FB** configuration (shown on the right page.) This option provides uplighting from T5 fluorescent fixtures and task lighting from adjustable Par fixtures that plug into the lower BusRun channel.

Ceiling Mounted Level Glide

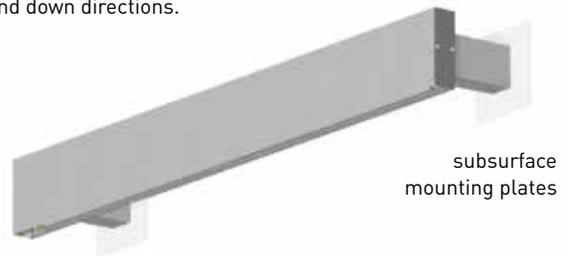
Level glides are available for 20amp configurations and finished at the ceiling plane with a 5" diameter canopy.

Standard Level Glide Heights
48" [1200mm]
96" [2400mm]
120" [3000mm]



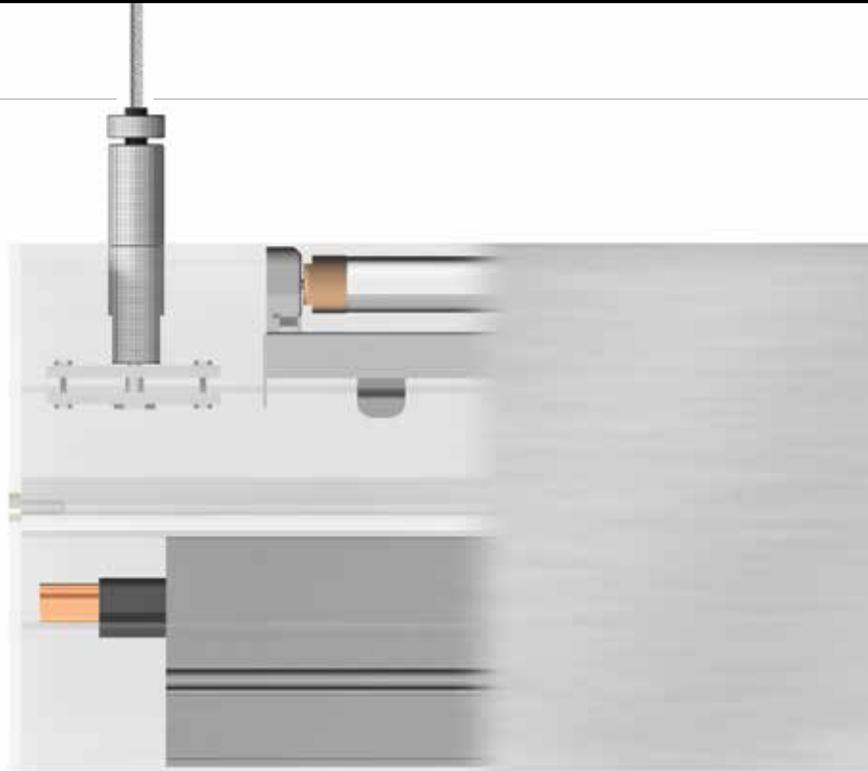
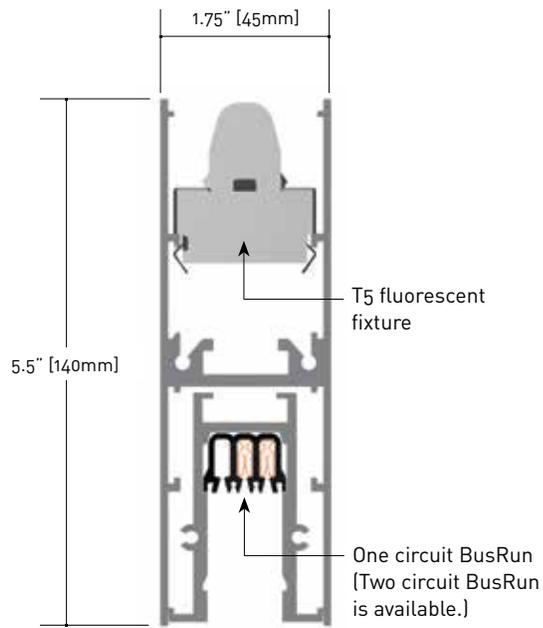
Wall Mounted

FluoBus can mount to vertical surfaces providing an option for wallwashing in both up and down directions.



subsurface
mounting plates

fluobus: configurations



FB

T5 fluorescent fixture in the upper channel and BusRun in the lower channel.



BF

BusRun in the upper channel and T5 fluorescent fixture in the lower channel.



FF

T5 fluorescent fixtures located in both channels.



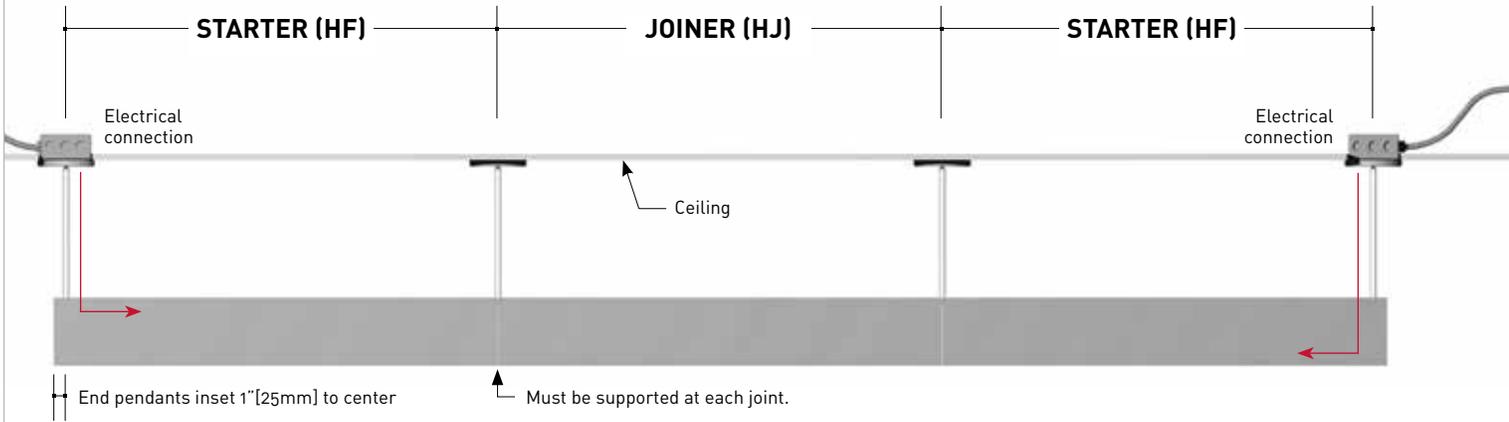
BB

BusRun located in both channels.

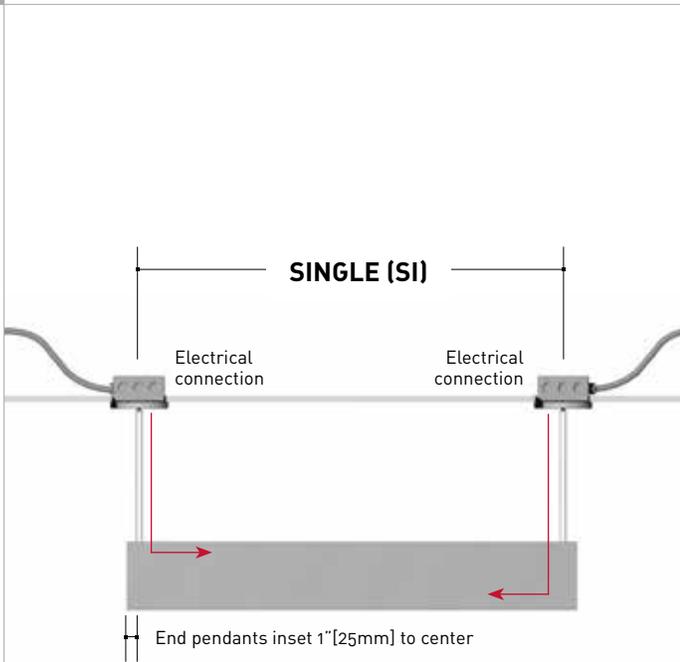


fluobus: pendant spacing

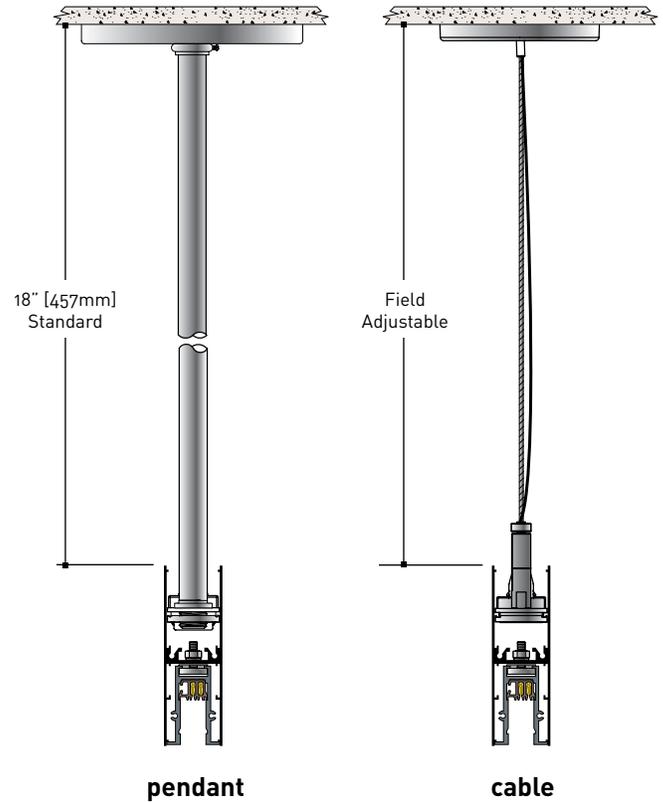
The system is designed to work just like a track system with starters at both ends – one for the uplight and one for the downlight. The various section lengths are designed around T5 lamp lengths, however the system may be modified in length to fit the architecture of the space. Straight runs of FluoBus, as shown below, are constructed from starters and joiners.



elevation of linear run - pendant/cable

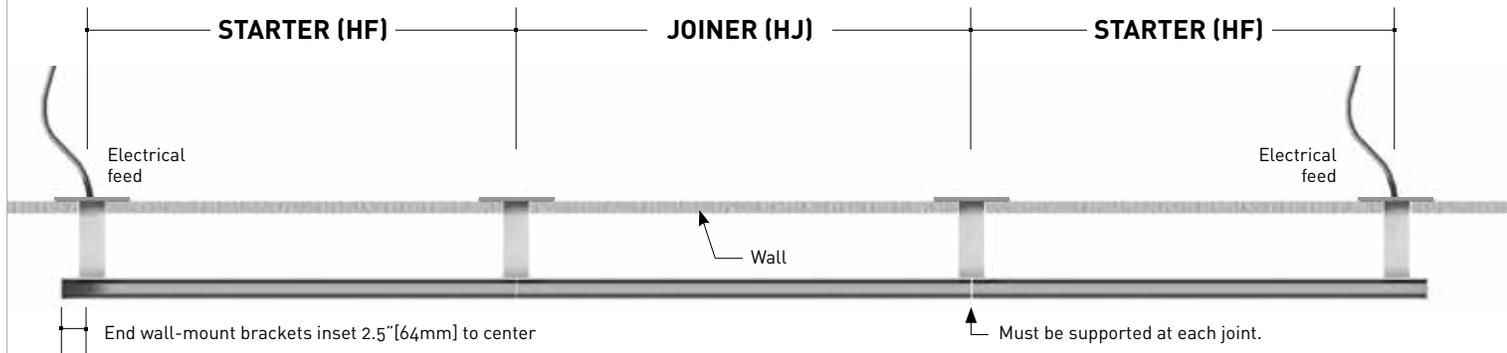


elevation of single pendant/cable

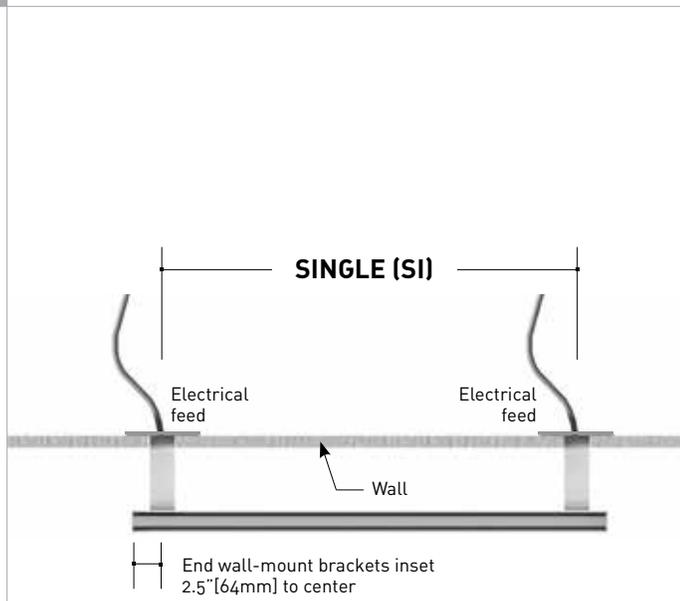


fluobus: wall mounted spacing

The wall-mount system, like the hanging system, is built using starters and joiners, with the exception that the feeds run through an armature that attaches to the wall of the FluoBus. When installed, the FluoBus system mounts 6" [152mm] from the wall surface. Ballast placement is under the fixture so the fluorescents butt end-to-end for a "no dark spots" appearance.



plan of linear run - wall-mount



plan of single wall-mount



Wall-Mounting Layout

Consult with the Litelab factory for assistance in the layout and mounting of wall-mount FluoBus.

fluobus: FB standard “stand alone” options

FluoBus utilizes T5 fluorescent fixtures in 3' [849mm] and 4' [1149mm] combinations based on the length of the single unit. The chart below details the combinations. The fixtures accept either standard output **(SO)** or high output **(HO)** fluorescent lamps. Note that stand alone units are slightly longer to accommodate the hanging hardware.

	fixture lengths	lamps
03	39" [991mm] 	(1) 3'
04	51" [1295mm] 	(1) 4'
06	73" [1854mm] 	(2) 3'
07	86" [2184mm] 	(1) 3' (1) 4'
08	97" [2464mm] 	(2) 4'
09	109" [2769mm] 	(3) 3'
10	120" [3048mm] 	(2) 3' (1) 4'
11	133" [3378mm] 	(1) 3' (2) 4'
12	145" [3683mm] 	(3) 4'

fluobus: fluorescent controls

Fluorescents can be specified as non-dimming **(ND)** or dimmable **(DM)**.

fluobus: luminaire options

A complete line of LED, halogen and metal halide fixtures are available at www.litelab.com.



M01MR16



M31 LED



F01MR16



J19MR16

fluobus: mounting options



P Pendant
6.75" [171mm]
canopy



C Cable
5" [127mm]
canopy

fluobus: voltage options

FluoBus can be specified in 1 circuit for 120v, 240v, or 277v. It is available for 2 circuit in 120v and 240v. (The fluorescent voltage will be the same as BusRun).

fluobus: finish options



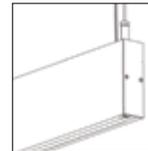
MB Black



P White



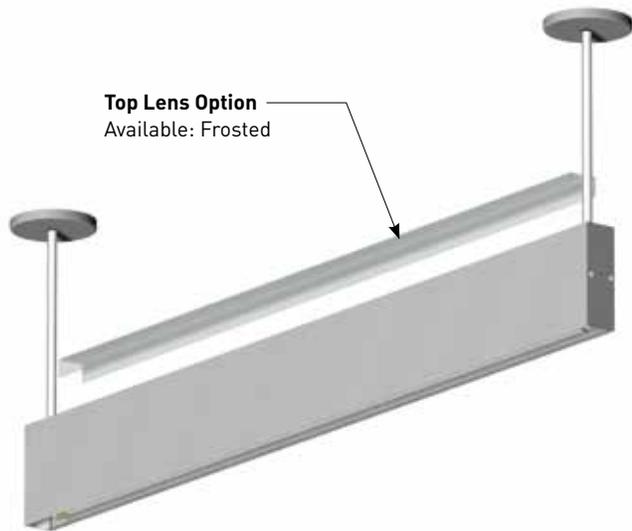
NT Brushed
Aluminum



CP Custom
Paint

fluobus: accessories

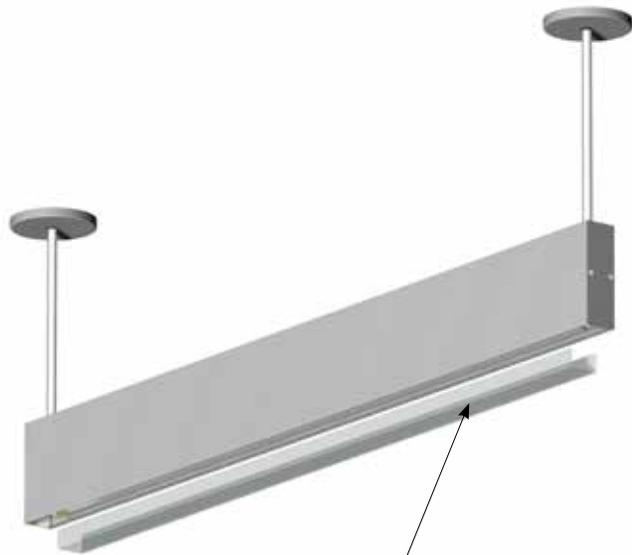
To control and direct the fluorescent light, Litelab offers a range of lens and louvers as shown below. To provide a finished look to the lower channel, coverplates that accept stem fixtures and clip into the extrusion are available in matching finishes to the FluoBus housing. These coverplates can be combined with the fluorescent fixtures and accessories in the lower channel.



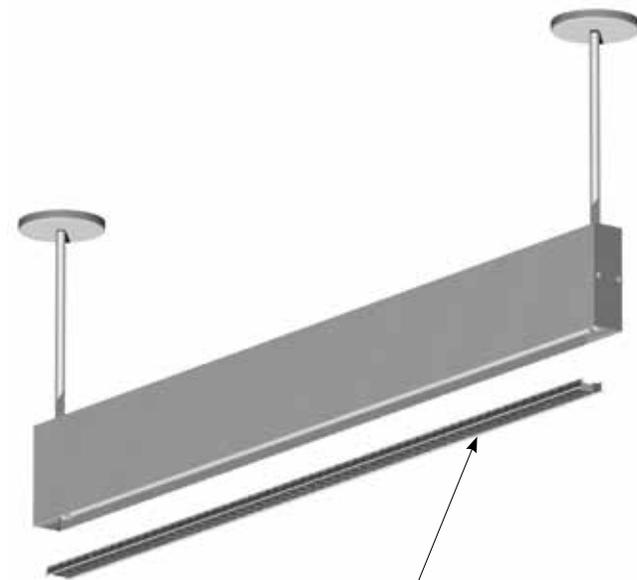
Top Lens Option
Available: Frosted



Coverplate/Fixture Option



Bottom Lens Option
Available: Frosted, White
Linear or Prismatic



Bottom Louver Option

fluobus: system specifications

FluoBus is a combination fluorescent/bus–uplight/downlight–lighting system composed of an aluminum extruded housing 5.5" x 1.75" [140mm x 45mm] and finished in a durable powder coat paint or a natural brushed finish. The extrusion contains an upper and lower channel that accepts T5 fluorescent fixtures and BusRun Busway. The fluorescent fixtures and bus are interchangeable in upper and lower channels or may be used exclusively in one or both. Both the fluorescent and bus are available in 120/230 volt and in 16, 20, 30 or 60 amps per circuit depending on the configuration. Both one and two circuit bus are available.

The system can be specified as a single unit, 3' -12' [900mm - 3200mm] or in continuous runs, requiring starters and joiners, up to 12' [3200mm] in length. Grids can also be constructed using L, T, and X connections. Please consult with Litelab for assistance with grid layouts.

FluoBus can be suspended from plaster or acoustical tile ceilings with either rigid pendants or cable glide systems. The standard height for pendants is 18" [457mm] and field adjustable cable glides are available in 4' - 10' [1200mm-3000mm] lengths.

FluoBus can also be wall mounted 6" [152mm] from the surface using preattached extruded aluminum armatures 2"W x 3"H [51mm x 76mm] and aluminum mounting plates that anchor behind the finished wall surface.

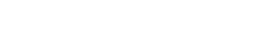
The BusRun Busway is UL-approved and accepts all Litelab fixtures and plug-ins as well as fixtures by other manufacturers [requires Litelab fitters]. T5 fluorescent fixtures can be specified as either standard or high output.

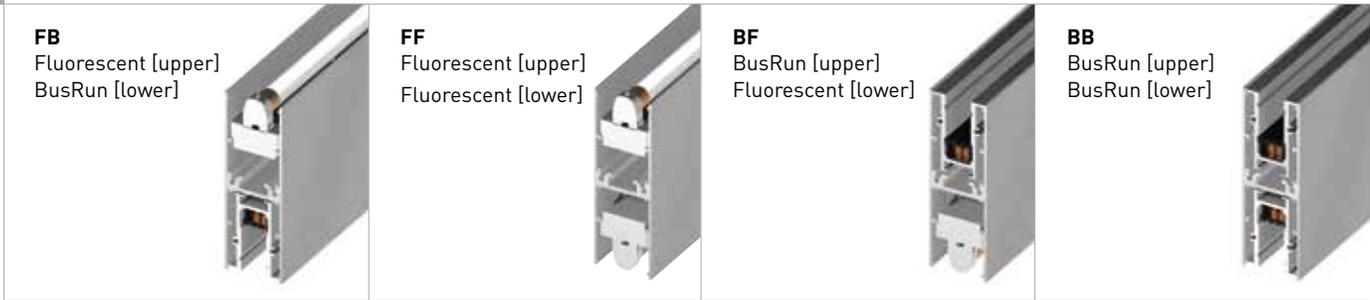
For more details, please contact Litelab Corp. or visit www.litelab.com.

fluobus: continuous runs for lengths over 12' [3658mm] and L, T, and X connections

The chart below details the FluoBus lengths for continuous runs. These runs require 2 starters—one at each end and joiners to construct the run. FluoBus utilizes T5 fluorescent fixtures in 3' [849mm] and 4' [1149mm]

combinations based on the length of the unit. The chart below details the combinations. The fixtures accept either standard output **(S0)** or high output **(H0)** fluorescent lamps.

starters	joiners	lamps
03 NA 	03 37" [940mm] 	(1) 3'
04 NA 	04 49" [1245mm] 	(1) 4'
06 72" [1829mm] 	06 72" [1829mm] 	(2) 3'
07 84" [2134mm] 	07 84" [2134mm] 	(1) 3' (1) 4'
08 96" [2438mm] 	08 96" [2438mm] 	(2) 4'
09 108" [2743mm] 	09 108" [2743mm] 	(3) 3'
10 120" [3048mm] 	10 120" [3048mm] 	(2) 3' (1) 4'
11 133" [3378mm] 	11 133" [3378mm] 	(1) 3' (2) 4'
12 144" [3658mm] 	12 144" [3658mm] 	(3) 4'



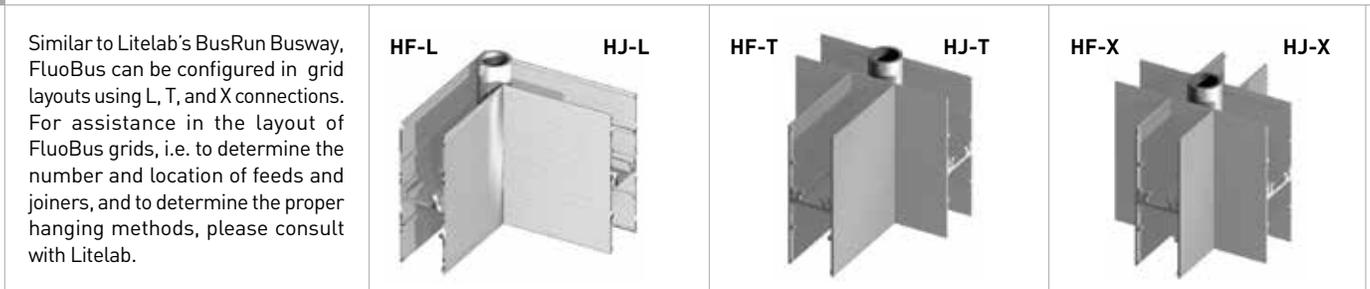
fluobus: mounting options



fluobus: accessories



fluobus: grid layout options





251 Elm Street
Buffalo, New York 14203

716.856.4300
800.238.4120

www.litelab.com



This document contains both conceptual renderings and products that are subject to change based on design, engineering, and manufacturing review and analysis.