

Specify **FLX**

PRODUCT

EXTRUSION

RD-Round
AL-Angle
LP-Low Profile

INTENSITY

S -SLO
L -LO
H -HO

LED COLOR

Warm White
 27-2700°K
 30-3000°K
 35-3500°K
 40-4000°K*
Cool White
 45-4500°K*
 50-5000°K*

*special order color

COATING

U-Uncoated
C-Conformally Coated

LENS

U-Unlensed*
S-Standard
O-Opal Lens

*unlensed fixtures must be enclosed within a case or similar enclosed application

CONNECTION

D-Dead End
E-End to End

FINISH

A-Natural Clear
C-Black*
 *Nonstandard finishes available for additional cost

JOINT TYPE

B-Ball Black*
G-Ball Gray*
W-1.5" Wire
 *Ball joint connectors are only available for the round extrusion

LENGTH

FLSLO

6" Multiples

FLLO

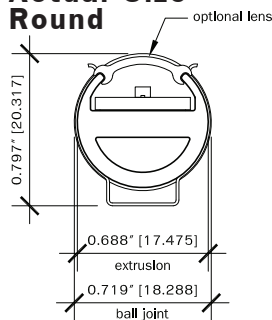
3" Multiples

FLHO

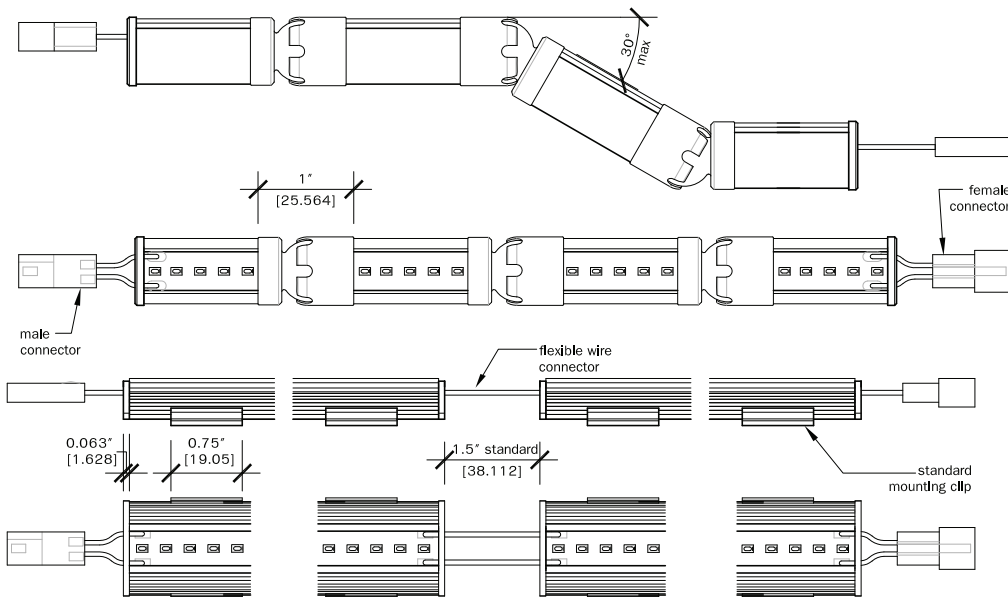
1.33" Multiples

Product Dimensions

Cross Sections Actual Size Round



Side and Top Views 1/2 = 1



Options

Lenses

FineLine Flex's LEDs each have an integral 110° optic. An additional linear lens can be specified with the Round extrusion to protect the fixture and facilitate easier cleaning and maintenance. OptoLum recommends this lens be specified unless a secondary enclosure for the fixture exists, such as a display case or architectural housing.

Coating

An optional conformal coating may be specified. This coating is optically clear and is applied over the circuitry and LEDs prior to final assembly to add a degree of protection to the circuit from environmental elements.

Joint Type and End Caps

OptoLum offers two joint options for FineLine Flex Round. Ball Joint connectors provide a 30 degree range of rotation, a sleeker appearance and a more robust connection. The Ball Joint may be specified in one of two colors, natural gray or black. Wire Flex connectors allow maximum flexibility for tight curves and angles. All other extrusion types utilize Wire Flex connectors. Wire flex fixtures should be handled gently as the connections are more delicate than Ball Joints.

Mounting and Finish

FineLine Flex comes with mounting clips which vary based on extrusion type. FineLine Flex is segmented based on intensity. Contact your OptoLum rep for additional segmentation options. FineLine Flex comes with a natural anodized finish. Custom finishes are available for an additional cost.

Control Systems

FineLine Flex is compatible with most 0-10 dimming systems. All 0-10 interface devices and power supplies are ordered separately.

Electrical

OptoLum Low Voltage LED luminaires require OptoLum's remote power supplies, which must be ordered separately. FineLine Flex can be wired in series.

Power Supply	W/ft	60W	96W
FL Flex SLO	1.25	48'-0"	76'-0"
FL Flex LO	2.5	24'-0"	38'-0"
FL Flex HO	4.50	13'-0"	21'-0"

Item	Specification	FLSLO 3000K	FLLO 3000K	FLHO 3500K
Output*	Lumens/ft	64	123	278
	Efficacy	51 Lm/W	49.2 Lm/W	56 Lm/W
	CRI	CRI 85 nominal		
	Lumen Maintenance	50,000 hours with maintenance of 70% lumen output @25 °C		
Electrical**	Input Voltage	24 VDC		
	Power Consumption	1.25 W/ft maximum at steady state	2.5 W/ft maximum at steady state	4.95 W/ft maximum at steady state
Control	Dimming	Compatible with most 0-10 systems with an OptoLum 0-10 dimming interface		
Physical	Dimensions	Please refer to FineLine Round, aLine and Low Profile Spec Sheets for extrusion dimensions		
	Housing	Extruded aluminum, anodized finish		
	Lens	Standard Clear or Opal		
	Fixture connectors	End to End or Dead End		
	Ambient Operating Temperature	-20 ° - 50 °C (-4 ° - 122 °F)		
	Max fixture run length per power supply	76' @ 96W	38' @ 96W	21' @ 96W
		48' @ 60W	24' @ 60W	13' @ 60 W
Certification and Safety	Certification	UL, CE - Round Extrusion		
	LED Class	Class 2 LED product		
	Environment	Dry Location		

* Estimates have been included in the illumination data pending LM79 testing results; actual illumination may vary from these estimates.

** Power consumption data does not include the power supply and may vary slightly.



Lamp Life and Warranty

Average Rated Lamp Life is 50,000 hours. Lamp life is derived from a formula that includes known LED tolerance and actual stress applied. OptoLum warranties our products for three years from the date of purchase against manufacturing defects.