



APPLICATIONS

The Groove Curve 48V Track System offers seamless curved track solutions for modern lighting design. Using Groove Curve, designers can expand beyond traditional linear configurations to achieve dynamic, organic lighting layouts.

FLEXIBLE AND CREATIVE: Groove Curve connects curved and straight tracks at various angles and diameters to create complete circular shapes and custom curved layouts.

VERSATILE AND PRECISE: Groove Curve tracks support a wide range of interchangeable luminaires with flexible adapters to allow easy repositioning and replacement. Fixtures can be mounted individually or in continuous runs for smooth, uninterrupted illumination along curved paths.

Ideal for accent, task, and general illumination, Groove Curve is perfectly suited for galleries, museums, hospitality and retail spaces, corporate offices, and high-end residential applications.

Available in Trimless Recessed, Ceiling Mount, and Suspended Mount options. Fixtures can be mounted individually or in continuous runs for curved paths of smooth, uninterrupted illumination.

CONSTRUCTION

All track heads are engineered to have an extremely long lifespan and service period by using coolLED's Advanced Thermodynamic Design, which includes an extruded aluminum body, a hidden diecast heat sink, and a thermal management system.

WARRANTY

5-year warranty for parts and components (labor not included).

LED MODULE PERFORMANCE

The Groove System's luminaires are equipped with 2-step McAdam Eclipse LEDs, which provide consistent color across all fixtures, and 90+CRI. The LEDs are available in a variety of kelvin temperature options.

DRIVERS

The Groove System is powered by constant voltage drivers with a rating of 50/60Hz at a 120/277V input and a 48V output. They produce less than 20% THD, have a 90% power factor, and are thermally protected for additional safety. Driver wattages range from 75W to 450W and can power up to 65' of track. Groove drivers can be installed internally within the track or remotely mounted, and are available in 0-10V 1% Dimming, Dali Dimming, or 120V On/ Off Non-Dimming Driver. Please see Groove track system spec sheets for a complete list of drivers and capabilities.

DIMMING INFORMATION

DIM10 - 0-10V dimming on either MVOLT 120, 277. Dimmable down to 1% of initial lumens, standard. Available in 75W, 100W, 150W, 240W.

DIMTR - Electronic low voltage dimming. Available in 120V.

DALI - DALI DT6 dimming down to 1% Available in 75W, 100W, 150W, and 240W.

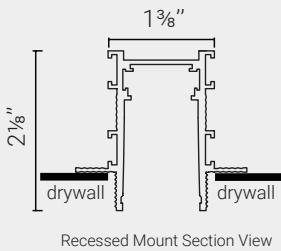
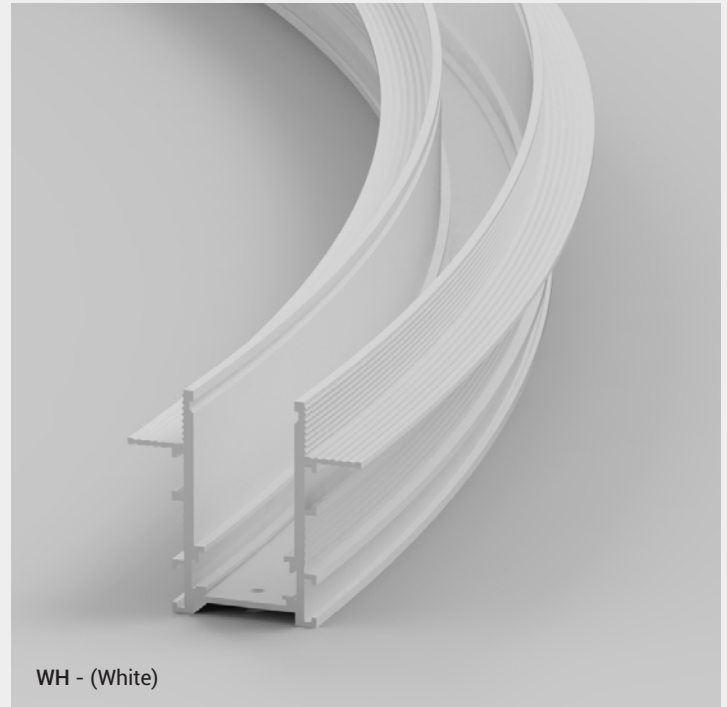
EldoLED PowerDrive dimming down to 0.1%. Please see the EldoLED website for wiring diagrams and a full list of compatible DMX and DALI control systems.

BLE - Luminaires may be controlled, grouped, scheduled or placed in scenes and or zones Via Cassambi Bluetooth 4.0 App.

FINISH

Luminaires are available in a powder-coated black or white post-paint finish. They may also be issued in custom RAL colors upon request. Consult the factory to find out which custom colors can be accommodated.

RECESSED TRACK OPTIONS



FG-R-RTL-180D-D3 | BK/WH | 180-DEGREE | DIAMETER = 3FT

FG-R-RTL-120D-D6 | BK/WH | 120-DEGREE | DIAMETER = 6FT

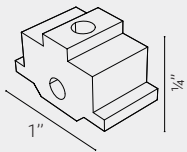
FG-R-RTL-90D-D9 | BK/WH | 90-DEGREE | DIAMETER = 9FT

FG-R-RTL-45D-D16 | BK/WH | 45-DEGREE | DIAMETER = 16FT

ACCESSORIES:

● BK - (Black) ○ WH - (White)

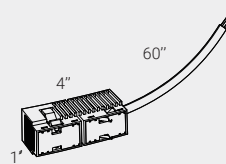
FG-R-ACC-9



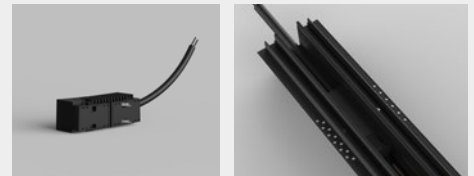
Curve Track Joint Coupling



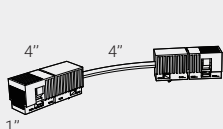
FG-R-ACC-3



Curve Track Live-End



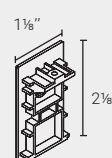
FG-R-ACC-5



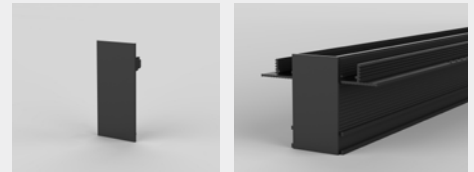
Curve Track Flexible Power Connector



FG-ACC-1



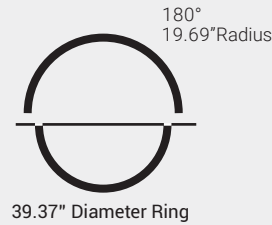
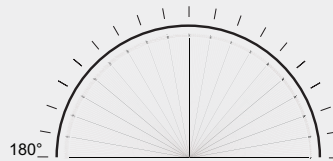
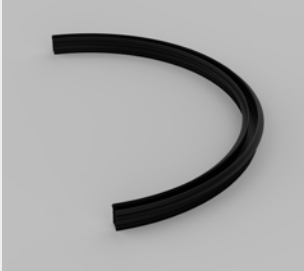
Endcap (to Close the Open Ends of Tracks)



CURVE TRACKS DEFAULT DIMENSIONS:

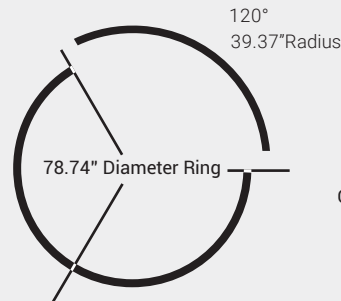
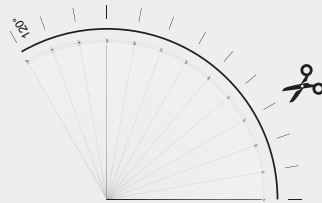
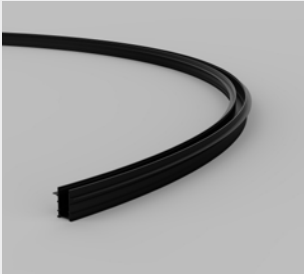
Field-cuttable track can be cut according to required length for custom installation.

FG-R-RTL-180D-D3 | BK/WH | 180-DEGREE | DIAMETER = 3FT



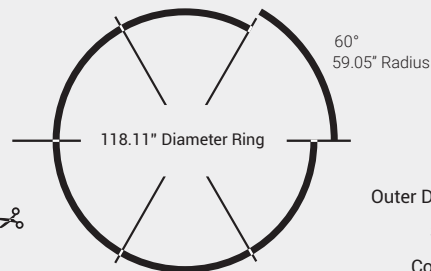
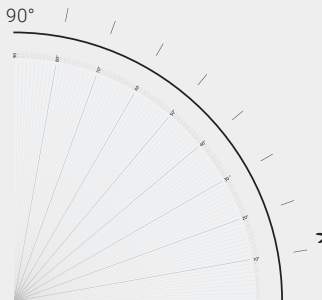
Segments: 2 × 180° curved tracks
Radius: 19.69" per segment
Outer Diameter (Complete Circle): 39.37" ≈ 3.28ft
Segment Part Number: FG-R-RTL-180D-D3
Complete Circle Part Number: FG-R-RTL-D3

FG-R-RTL-120D-D6 | BK/WH | 120-DEGREE | DIAMETER = 6FT



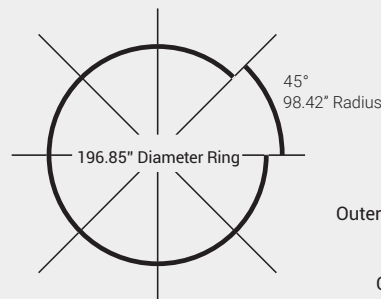
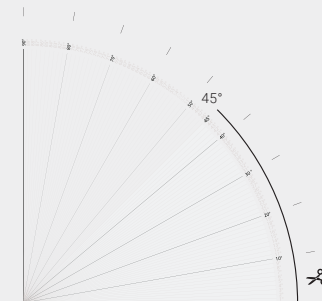
Segments: 3 × 120° curved tracks
Radius: 39.37" per segment
Outer Diameter (Complete Circle): 78.74" ≈ 6.5ft
Segment Part Number: FG-R-RTL-120D-D6
Complete Circle Part Number: FG-R-RTL-D6

FG-R-RTL-90D-D9 | BK/WH | 90-DEGREE | DIAMETER = 9FT



Segments: 6 × 90° curved tracks
Radius: 59.05" per segment
Outer Diameter (Complete Circle): 118.11" ≈ 9.8ft
Segment Part Number: FG-R-RTL-90D-D9
Complete Circle Part Number: FG-R-RTL-D9

FG-R-RTL-45D-D16 | BK/WH | 45-DEGREE | DIAMETER = 16FT



Segments: 8 × 45° curved tracks
Radius: 98.43" per segment
Outer Diameter (Complete Circle): 196.85" ≈ 16.0ft
Segment Part Number: FG-R-RTL-45D-D16
Complete Circle Part Number: FG-R-RTL-D16

EXTERNAL DRIVER OPTIONS (with box):
FG-DR-75W-ON-OFF-48V | FG-DR-75W-DALI-48V | FG-DR-75W-10V-DIM-48V

FG-DR-75W-48V Series Constant Voltage + Constant Current Driver								
Model	Input Voltage	Output Voltage	Wattage (@120VAC)	Wattage (@277VAC)	Rated Current	Efficiency	Frequency	Power Factor (Normal)
FG-DR-75W-48V	120-277VAC 2	24-48V	60W	76.8W	1.6A	90%	50-60Hz	.9

0-10V & DALI dimming only

FG-DR-100W-ON-OFF-48V | FG-DR-100W-DALI-48V | FG-DR-100W-10V-DIM-48V

FG-DR-100W-48V Series Constant Voltage + Constant Current Driver								
Model	Input Voltage	Output Voltage	Wattage (@120VAC)	Wattage (@277VAC)	Rated Current	Efficiency	Frequency	Power Factor (Normal)
FG-DR-100W-48V	120-277VAC	24-48V	70W	96W	2A	90%	50-60Hz	.9

0-10V & DALI dimming only

FG-DR-200W-ON-OFF-48V | FG-DR-200W-DALI-48V | FG-DR-200W-10V-DIM-48V

FG-DR-200W-48V Series Constant Voltage + Constant Current Driver								
Model	Input Voltage	Output Voltage	Wattage * (@120VAC)	Wattage * (@277VAC)	Rated Current *	Efficiency *	Frequency	Power Factor (Normal)
FG-DR-200W-48V	120-277VAC	24-48V	150W	200W	4.16A	93%	50-60Hz	.9

0-10V & DALI dimming only

FG-DR-320W-ON-OFF-48V | FG-DR-320W-DALI-48V | FG-DR-320W-10V-DIM-48V

FG-DR-320W-48V Series Constant Voltage + Constant Current Driver								
Model	Input Voltage	Output Voltage	Wattage * (@120VAC)	Wattage * (@277VAC)	Rated Current *	Efficiency *	Frequency	Power Factor (Normal)
FG-DR-320W-48V	120-277VAC	24-48V	320W	320W	6A	95%	50-60Hz	.9

0-10V & DALI dimming only

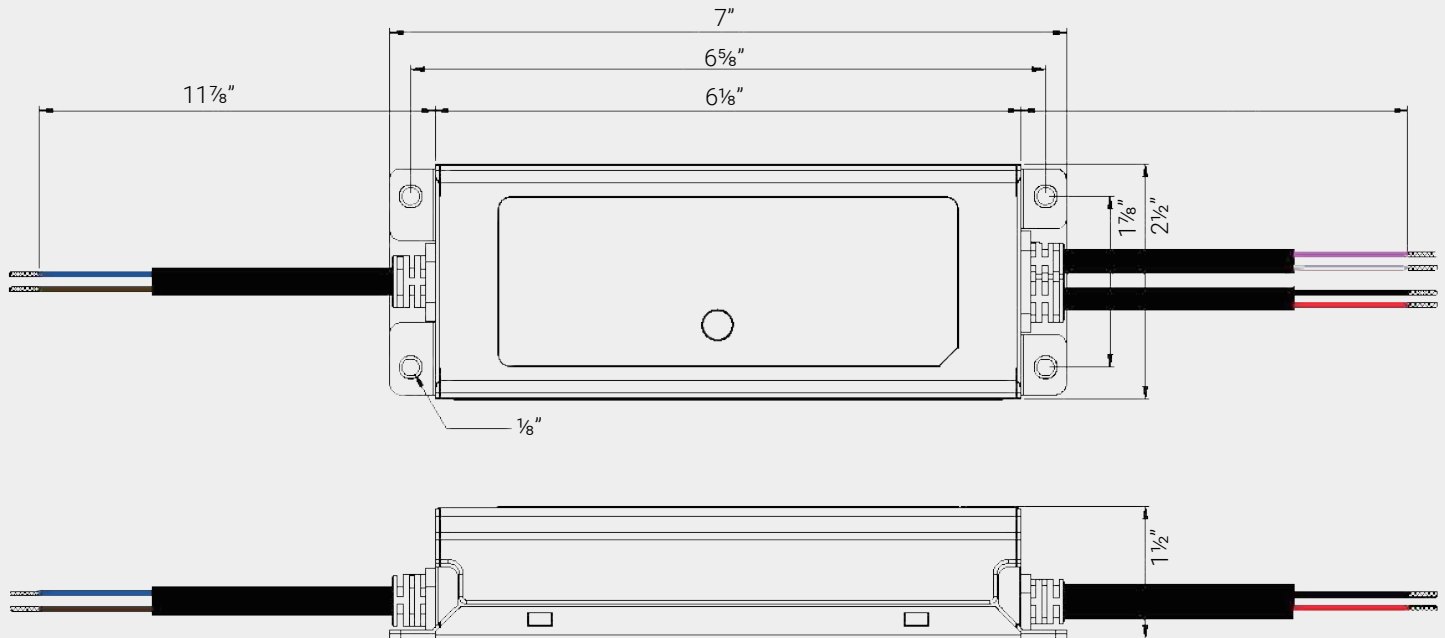
FG-DR-480W-ON-OFF-48V | FG-DR-480W-DALI-48V | FG-DR-480W-10V-DIM-48V

FG-DR-480W-48V Series Constant Voltage + Constant Current Driver								
Model	Input Voltage	Output Voltage	Wattage * (@120VAC)	Wattage * (@277VAC)	Rated Current *	Efficiency *	Frequency	Power Factor (Normal)
FG-DR-480W-48V	120-277VAC	24-48V	480W	480W	10A	94%	50-60Hz	.9

0-10V & DALI dimming only

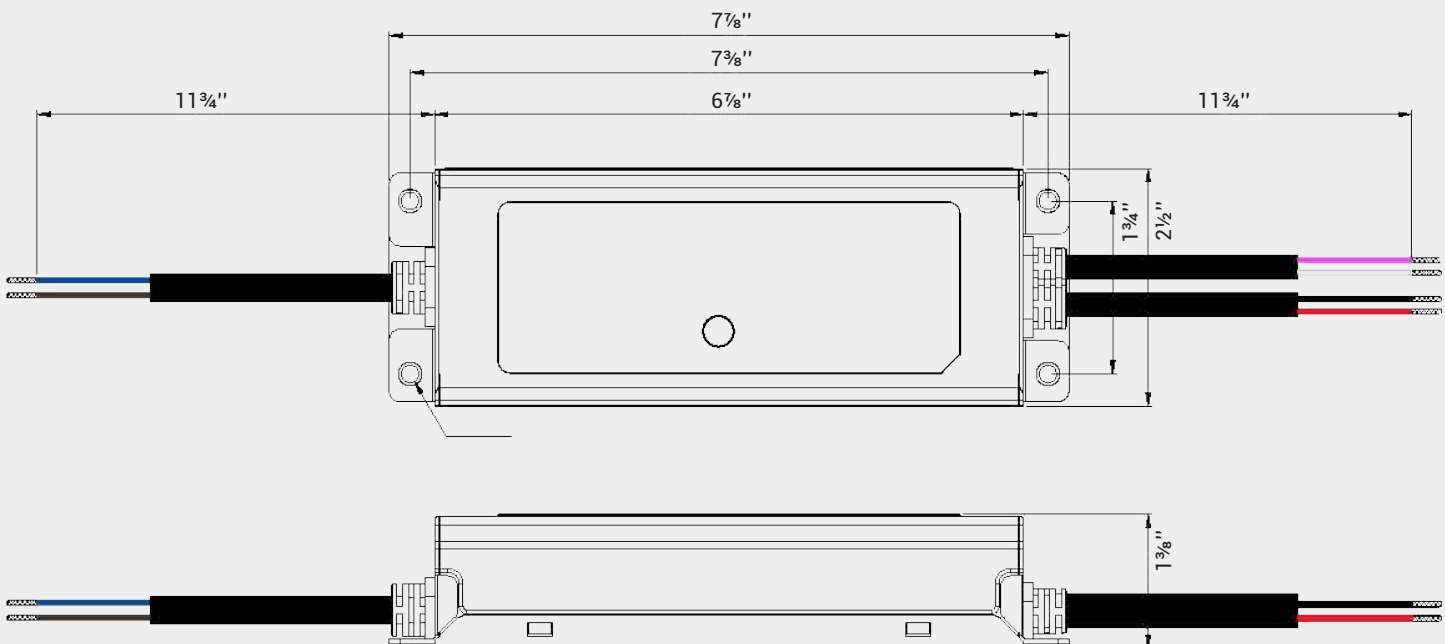
DRIVER: FG-DR-75W-48V

Unit: Inches



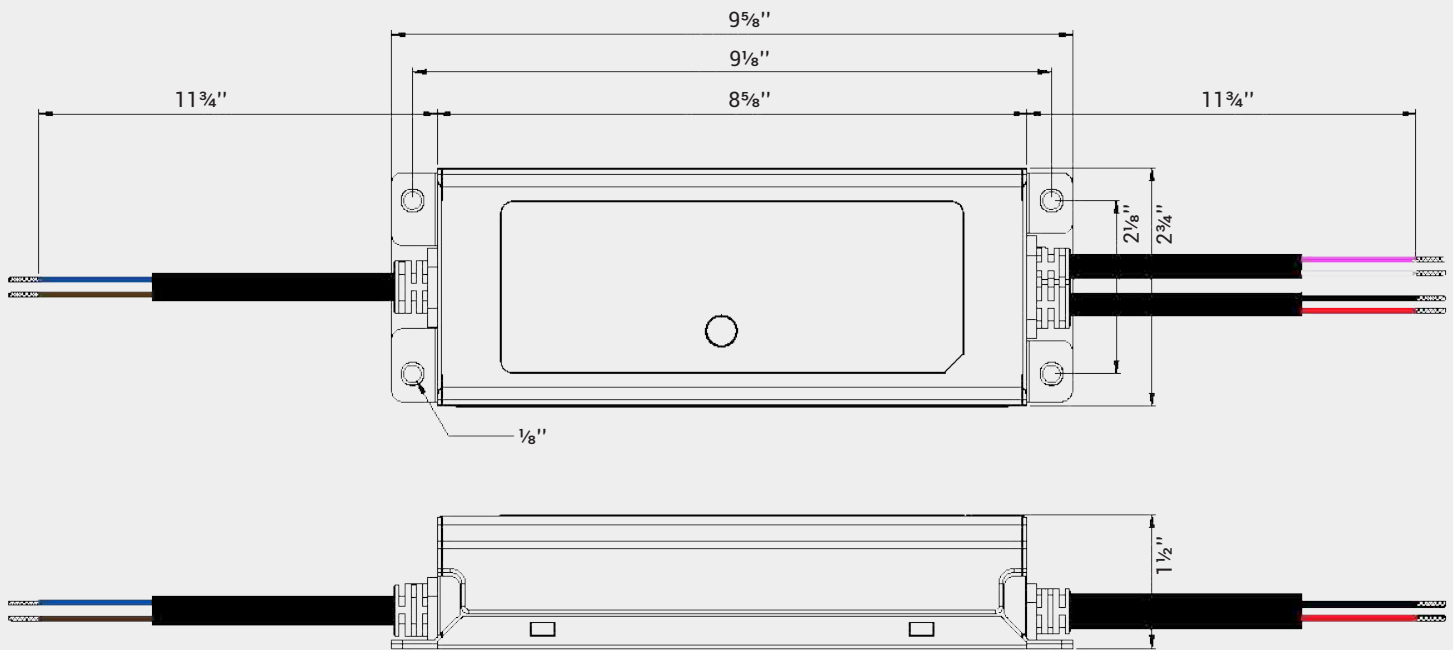
DRIVER: FG-DR-100W-48V

Unit: Inches



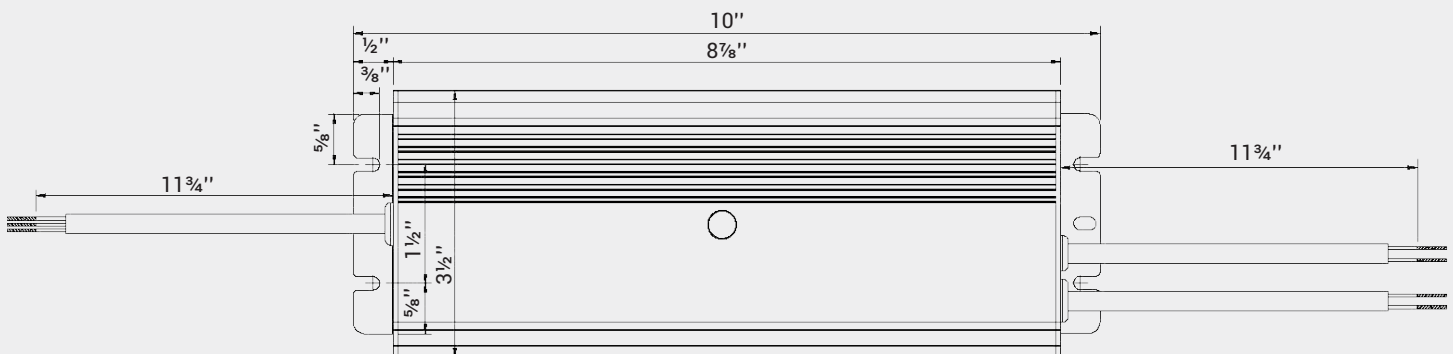
DRIVER: FG-DR-200W-48V

Unit: Inches



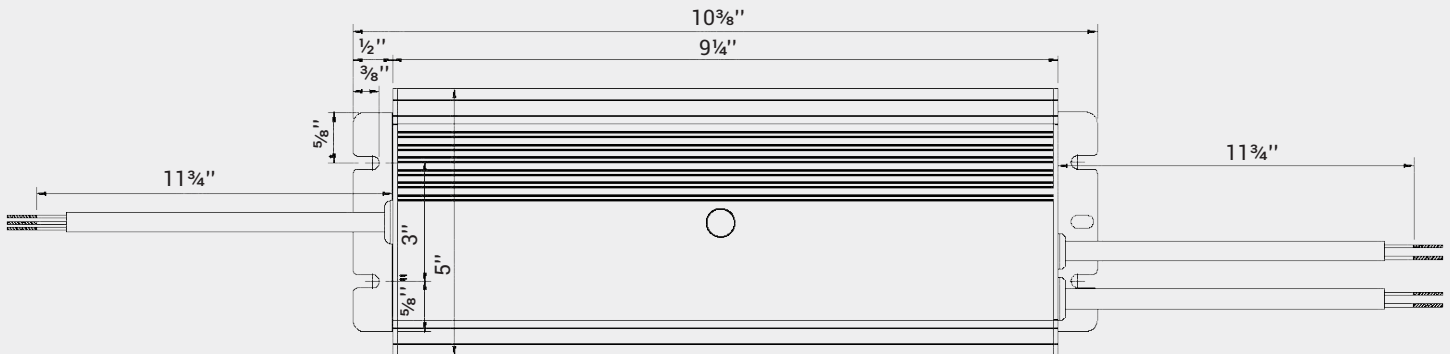
DRIVER: FG-DR-320W-48V

Unit: Inches



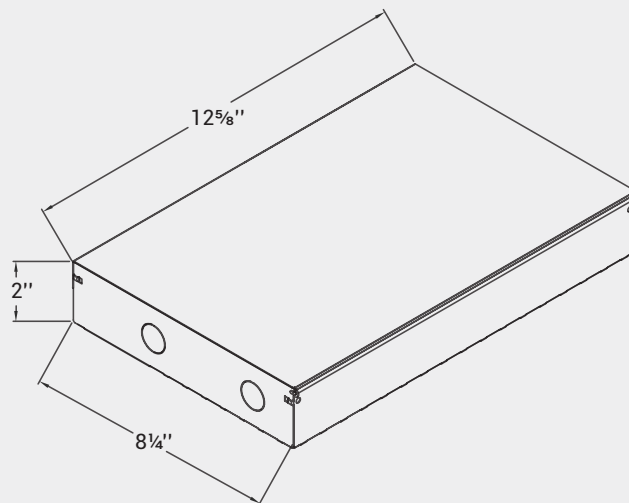
DRIVER: FG-DR-480W-48V

Unit: Inches

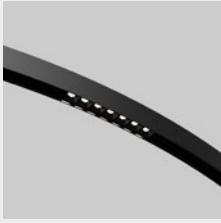


DRIVER BOX DIMENSIONS

Unit: Inches



GROOVE CURVE LUMINAIRE OPTIONS



FG-R-L4R-8
Linear Downlight



FG-LS-3
Linear Silicone 3ft



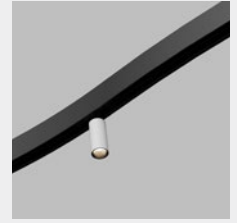
FG-LS-6
Linear Silicone 6ft



FG-LS-9
Linear Silicone 9ft



FG-R-T1-1
Recessed Track Light



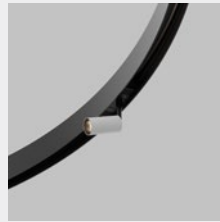
FG-R-T2-2
Cylinder



FG-R-T3-1
Cylinder



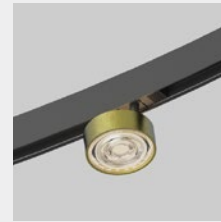
FG-R-T3-2
Cylinder



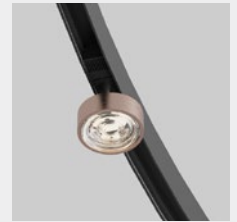
FG-R-T4-1
Beam Adjustable Cylinder



FG-R-T4-2
Beam Adjustable Cylinder



FG-R-T5-1
Flat Round



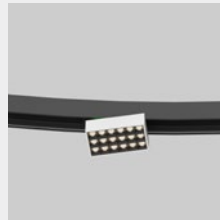
FG-R-T5-2
Flat Round



FG-R-T6-1
Flat Square



FG-R-T7-1
Square Track Light



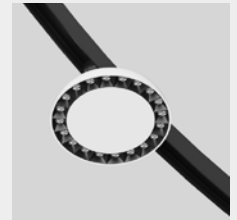
FG-R-T7-2
Rectangle Track Light



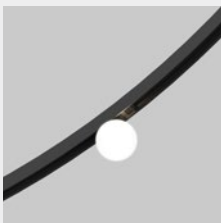
FG-R-T8-1
Track Globe



FG-R-T9-1
Track Globe



FG-R-T10-1
Track Downlight



FG-R-T11-1
Globe



FG-R-WL-1
Wall Light



FG-R-L1-1
Line Light



FG-R-TPJ-1
Form Projector



FG-R-TPJ-2
Gobo Projector



FG-R-P1-1/2
Pendant



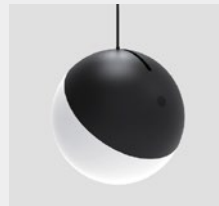
FG-R-P3-1/2
Pendant



FG-R-P4-1
Pendant Globe



FG-R-P4-2
Pendant Globe



FG-R-P4-3
Pendant Globe



FG-R-P5-1
Globe



FG-R-P9-1
Pendant Flat Round

FG-R-RTL-180D-D3 ORDERING CHART:

Example: FG-R-RTL-180D-D3-BK-1

SERIES	MOUNTING	DEGREE	DIAMETER	FINISH	NO. #
FG-R	RTL		D3		
FG-R - Fusion Groove Curve Track System	RTL - Trimless Recessed	180D - 180 Degrees (Default) #D - Custom Degree	D3 - Diameter = 3 ft	BK - Black WH - White	# - Track Number

FG-R-RTL-120D-D6 ORDERING CHART:

Example: FG-R-RTL-120D-D6-BK-2

SERIES	MOUNTING	DEGREE	DIAMETER	FINISH	NO. #
FG-R	RTL		D6		
FG-R - Fusion Groove Curve Track System	RTL - Trimless Recessed	120D - 120 Degrees (Default) #D - Custom Degree	D6 - Diameter = 6 ft	BK - Black WH - White	# - Track Number

FG-R-RTL-90D-D9 ORDERING CHART:

Example: FG-R-RTL-90D-D9-BK-3

SERIES	MOUNTING	DEGREE	DIAMETER	FINISH	NO. #
FG-R	RTL		D9		
FG-R - Fusion Groove Curve Track System	RTL - Trimless Recessed	90D - 90 Degrees (Default) #D - Custom Degree	D9 - Diameter = 9 ft	BK - Black WH - White	# - Track Number

FG-R-RTL-45D-D16 ORDERING CHART:

Example: FG-R-RTL-45D-D16-BK-4

SERIES	MOUNTING	DEGREE	DIAMETER	FINISH	NO. #
FG-R	RTL		D16		
FG-R - Fusion Groove Curve Track System	RTL - Trimless Recessed	45D - 45 Degrees (Default) #D - Custom Degree	D16 - Diameter = 16 ft	BK - Black WH - White	# - Track Number

VOLTAGE	DIMMING	DIMMING/DRIVER
48V / 120V / 277V MAX = 480W	ON-OFF - On & Off DIM10 - 0-10V Dimming DALI - DALI.1 Dimming BLE - Cassambi Bluetooth 4.0 App	
*Consult factory for details		

CURVE TRACK CONFIGURATION SAMPLE:

Note: Trimless recessed curve track cannot directly combine with trimless straight tracks.

