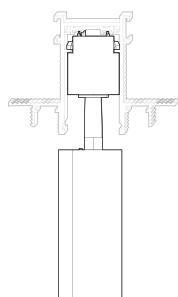
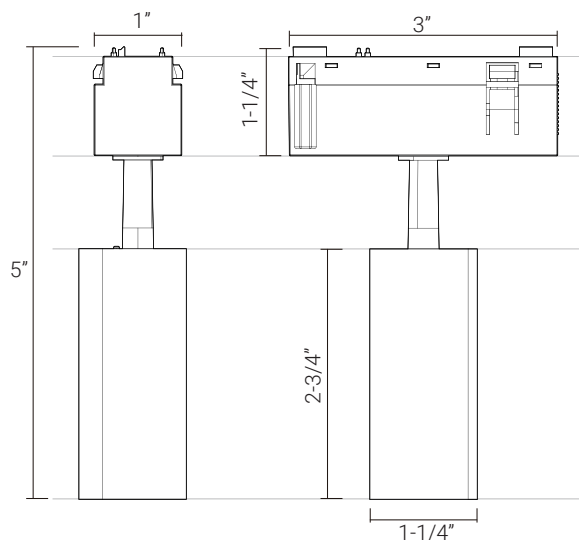




Rotate 355° Tilt 85°



SERIES	DELIVERED LUMENS	WATTAGE
FG-T2-2	540	9W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

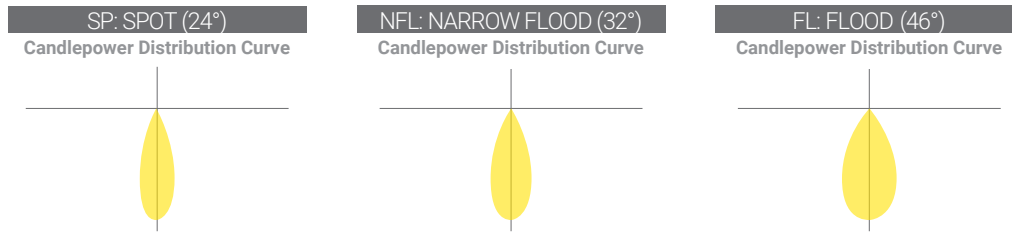
### GROOVE 'CYLINDER' SERIES

The FG-T2-2 Cylinder Track Heads are crafted with black interiors and spot 24°, narrow flood 32°, and flood 46° TIR optics, providing precise beam control and reducing glare. The optics are field changeable, with various lumen and distribution options. Additionally, each optic can be overlaid with a single optical accessory, like the Linear Diffuser, Frosted Diffuser, and Honeycomb lens.

Groove 'Cylinder Track' luminaires have a nearly full range of motion with a rotational limit of 355° and a tilt range of 85°. The luminaire serves as an excellent task or accent light and is compatible with a variety of accessories that allow you to tailor the style of light emitted for a customized application.

SERIES	Groove - 'Cylinder' series
SIZE	Length: 2-3/4", Diameter: 1-1/4"
CCT	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
OPTICS	Spot 24°, Narrow Flood 32°, Flood 46°
FINISH	● WH-BK (White+Black) ● BK-BK (Black)
DIMMING	On / Off, DIM10 - (0-10V Dimming), DALI.1 - DALI 2, BLE - Bluetooth
LIFETIME	L70 at 60,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21





Reference IES files for additional distribution curve information.

### FEATURES OF GROOVE FAMILY

The Groove 48V DC track system is available with multiple sleek, slender, and compact track heads that can be seamlessly mounted onto the track by simply clicking the track head's connector into place, allowing you to interchange one Groove-compatible luminaire for another. The Groove's intuitive click-in track makes it easy to install and switch luminaires, so the system can be updated to match any design or application, current or future.

The Groove track system is available in Trimless Recessed, Recessed Flanged, Ceiling/ Surface, and Suspended options, and can be integrated in most ceiling and wall applications. Utilize suspended and surface mounting options for surface such as wood, drywall or T-Bar ceilings.

The Groove offers a variety of connector accessories that enable users to tailor their designs with custom rectangular, square, or many other linear patterns. The T, X, L Corners and power connectors create dynamic designs that transcend flat surfaces including wall to ceiling, wrap corners, and more.

Drivers can be stowed within the system, hidden from view, or placed in a remote location. The single driver can power runs up to 65' long and 480 Watts. Please refer to driver spec sheets for more detailed information. Our team at Elite Lighting can help you organize the placement of drivers and complete systems.

Fixtures can be installed individually or combined with other Groove track system luminaires to create the perfect design. Multiple linear fixtures can be mounted next to each other on one track for continuous rays of illumination.

Available track head options are in-line linear, adjustable linear, spot, pendant, cylinder, and suspended. Many track heads are crafted with black interiors and TIR optics, providing precise beam control and reducing glare. Most track heads that are available with optics are field-changeable, with various lumen and distribution options. Additionally, some track heads can be overlaid with a single optical accessory, like the Linear Diffuser, Frosted Diffuser, and Honeycomb accessories. Some track heads can be used with spot-light, flood-light, snoot, and wall-wash accessories. (Please refer to the spec sheet on each individual track head for more detailed information.)

Subsequently, the system can be used for accent, task, and general illumination, making it ideal for a plethora of applications, such as galleries, museums, hospitality spaces, retail spaces, corporate offices, and residential spaces.

### 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.

### 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 ft. 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, 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.

### FINISH

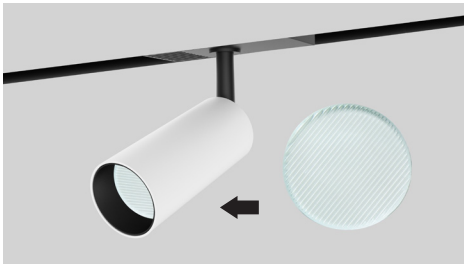
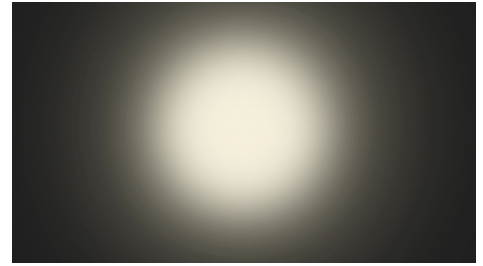
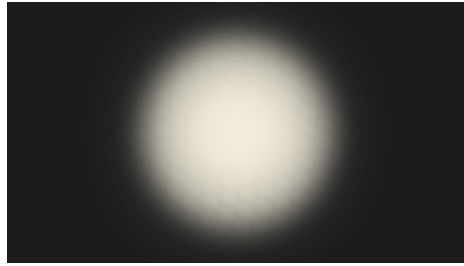
Luminaires are available in a powder-coated black or white post-paint finish. They may also be issued in custom RAL colors upon request. Consult the factory to find out which custom colors can be accommodated.

### WARRANTY

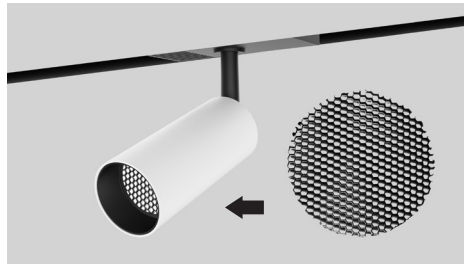
Five-year warranty for parts and components.

EXAMPLE:						
SERIES	OPTICS	CCT	CRI	FINISH	ACCESSORY	OPTION
FG-T2-2	<input type="checkbox"/> SP=24° <input type="checkbox"/> NFL=32° <input type="checkbox"/> FL=46°	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K	<input type="checkbox"/> 90	<input type="checkbox"/> WH-BK (White+Black) <input type="checkbox"/> BK-BK (Black)	<input type="checkbox"/> FG-T-ACC-LI-1 <input type="checkbox"/> FG-T-ACC-HC-1 <input type="checkbox"/> FG-T-ACC-FR-1	<input type="checkbox"/> 48V <input type="checkbox"/> 48V-BLE (Bluetooth) *Power supply must be ordered separately

**ACCESSORIE HOLDER WITH HONEYCOMB LENS**



**FG-T-ACC-LI-1** LINEAR DIFFUSER



**FG-T-ACC-HC-1** HONEYCOMB

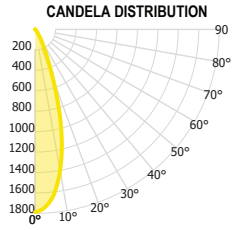


**FG-T-ACC-FR-1** FROSTED DIFFUSER

**FG-T2-2-SP-40K-90**

TEST NO.: **220062**

INPUT WATTS: **9.2**      LUMENS: **540**      EFFICACY: **59**      BEAM ANGLE: **24**      SPACING CRITERIA: **0.53**



CANDELA TABLE	
0°	90°
0°	1785 1785
10°	1403 1378
20°	502 470
30°	104 95
40°	23 20
50°	0 0
60°	0 0
70°	0 0
80°	0 0
90°	0 0

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	27186222	27186222
45.00°	192096	163669
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	151
10° - 20°	249
20° - 30°	104
30° - 40°	30
40° - 50°	7
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	400	74%
0° - 30°	503	93%
0° - 40°	533	99%
0° - 60°	540	100%
0° - 80°	540	100%
0° - 90°	540	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	49.6 fc	3.3 ft	3.3 ft
8.0 ft	27.9 fc	4.4 ft	4.4 ft
10.0 ft	17.9 fc	5.5 ft	5.5 ft
12.0 ft	12.4 fc	6.6 ft	6.6 ft
14.0 ft	9.1 fc	7.7 ft	7.7 ft
16.0 ft	7.0 fc	8.8 ft	8.9 ft
18.0 ft	5.5 fc	9.9 ft	10.0 ft
20.0 ft	4.5 fc	11.0 ft	11.1 ft

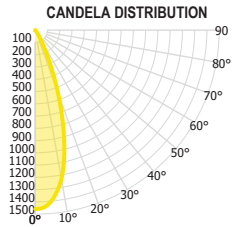
**INDOOR COEFFICIENTS OF UTILIZATION**

pf	pc	20%																0%				
		80%				70%				50%				30%					10%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	0%
1	114	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96	96	96	96	0%
2	110	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92	92	0%
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89	0%
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	87	85	85	85	85	0%
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82	82	82	82	0%
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	83	80	79	79	79	79	0%
7	93	86	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	77	0%
8	90	83	79	76	89	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74	0%
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72	72	72	72	0%
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69	69	69	69	0%

**FG-T2-2-NFL-40K-90**

TEST NO.: **220062**

INPUT WATTS: **8.9**      LUMENS: **540**      EFFICACY: **61**      BEAM ANGLE: **32**      SPACING CRITERIA: **0.57 x 0.57**



CANDELA TABLE	
0°	90°
0°	1458 1458
10°	1231 1249
20°	541 534
30°	97 91
40°	16 15
50°	0 0
60°	0 0
70°	0 0
80°	0 0
90°	0 0

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	22200635	22200635
45.00°	122752	128997
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	130
10° - 20°	251
20° - 30°	126
30° - 40°	28
40° - 50°	5
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	381	70%
0° - 30°	507	94%
0° - 40°	535	99%
0° - 60°	540	100%
0° - 80°	540	100%
0° - 90°	540	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	40.5 fc	3.8 ft	3.8 ft
8.0 ft	22.8 fc	5.1 ft	5.1 ft
10.0 ft	14.6 fc	6.4 ft	6.4 ft
12.0 ft	10.1 fc	7.7 ft	7.7 ft
14.0 ft	7.4 fc	9.0 ft	9.0 ft
16.0 ft	5.7 fc	10.2 ft	10.2 ft
18.0 ft	4.5 fc	11.5 ft	11.5 ft
20.0 ft	3.6 fc	12.8 ft	12.8 ft

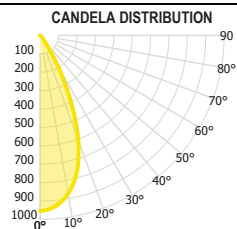
**INDOOR COEFFICIENTS OF UTILIZATION**

pf	pc	20%																0%				
		80%				70%				50%				30%					10%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	0%
1	114	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96	96	96	96	0%
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92	0%
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88	88	88	88	0%
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84	84	84	84	0%
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	84	82	81	81	81	81	0%
6	96	89	84	81	94	88	84	81	87	83	80	86	82	80	84	81	79	78	78	78	78	0%
7	92	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75	75	75	75	0%
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	72	0%
9	87	79	75	72	86	79	74	72	78	74	71	77	74	71	76	73	71	70	70	70	70	0%
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67	67	67	67	0%

### FG-T2-2-FL-40K-90

TEST NO.: 220062

INPUT WATTS: 8.8      LUMENS: 553      EFFICACY: 63      BEAM ANGLE: 46      SPACING CRITERIA: 0.75



#### CANDELA TABLE

	0°	90°
0°	954	954
10°	874	882
20°	604	616
30°	193	181
40°	23	22
50°	0	0
60°	0	0
70°	0	0
80°	0	0
90°	0	0

#### LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	14534799	14534799
45.00°	199848	194680
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

#### LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	88
10° - 20°	216
20° - 30°	188
30° - 40°	53
40° - 50°	9
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

#### ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	303	55%
0° - 30°	491	89%
0° - 40°	544	98%
0° - 60°	553	100%
0° - 80°	553	100%
0° - 90°	553	100%

#### CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	26.5 fc	5.2 ft	5.3 ft
8.0 ft	14.9 fc	7.0 ft	7.1 ft
10.0 ft	9.5 fc	8.7 ft	8.8 ft
12.0 ft	6.6 fc	10.5 ft	10.6 ft
14.0 ft	4.9 fc	12.2 ft	12.4 ft
16.0 ft	3.7 fc	14.0 ft	14.1 ft
18.0 ft	2.9 fc	15.7 ft	15.9 ft
20.0 ft	2.4 fc	17.5 ft	17.7 ft

#### INDOOR COEFFICIENTS OF UTILIZATION

pc	20%																0%						
	80%				70%				50%				30%					10%					
pw	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	0%		
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	100	99	98	97	96	95
1	114	111	109	107	112	109	107	106	105	104	102	102	100	99	98	97	95	93	95	93	91	90	90
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	95	93	91	89	87	85	85
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	84	82	81	81	81	81
4	100	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81	78	77	74	73	73
5	96	89	84	80	95	88	84	80	87	83	79	85	81	79	83	80	78	77	74	73	73	73	73
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73	71	69	69	69	69
7	89	81	76	72	87	80	75	72	79	75	71	78	74	71	77	73	71	69	67	66	66	66	66
8	85	77	72	68	84	76	72	68	75	71	68	75	71	68	74	70	67	66	64	63	63	63	63
9	82	74	68	65	81	73	68	65	72	68	65	71	67	65	71	67	64	63	61	60	60	60	60
10	79	70	65	62	78	70	65	62	69	65	62	69	64	62	68	64	61	60	58	57	57	57	57

**GROOVE TRACK LUMINAIRE OPTIONS:**



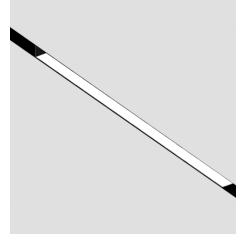
FG-L1R-C90  
*Seamless Linear Diffused*



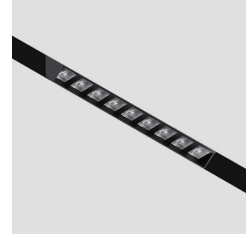
FG-L1R-CI  
*Seamless Linear Diffused*



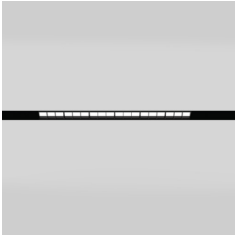
FG-L1R-CO  
*Seamless Linear Diffused*



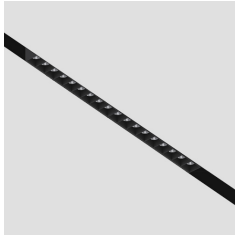
FG-L1R-8|16|32|48|64  
*Seamless Linear Diffused*



FG-L1-WW-3|8  
*Wall Wash*



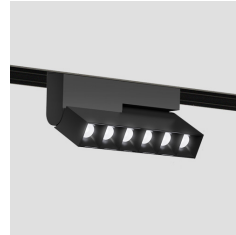
FG-L3R-16|32  
*Linear Louvered*



FG-L4R-3|5|8|16|32  
*Linear Recessed Downlight & Task*



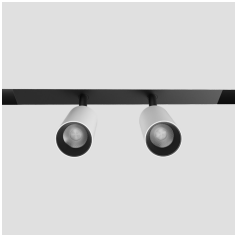
FG-L2A-3|5|8  
*Linear Diffused & Adjustable Light*



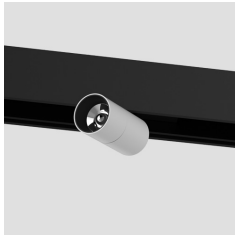
FG-L4A-3|5|8  
*Linear Adjustable Downlight, Task & Wall Grazer*



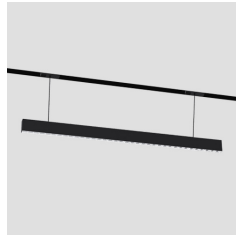
FG-T2-1|2|3|FG-T3-1|2|3  
*Cylinder*



FG-T2-4  
*Cylinder*



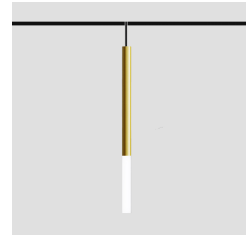
FG-T4-1|2|3  
*Beam Adjustable Cylinder*



FG-L1P-32  
*Pendant Louvered*



FG-P1-1|2  
*Pendant*



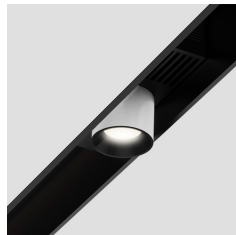
FG-P3-1|2  
*Pendant*



FG-P4-1|2|3  
*Pendant Globe*



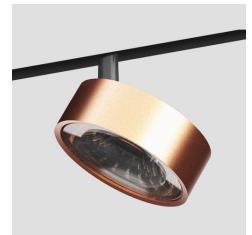
FG-P5-1  
*Globe*



FG-T1-1  
*Recessed Track Light*



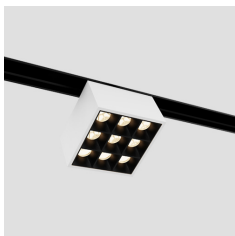
FG-T1-2  
*Recessed Track Light*



FG-T5-1|2  
*Flat Round*



FG-T6-1|2  
*Flat Square*



FG-T7-1|3  
*Square Track Light*



FG-T7-2  
*Rectangle Track Light*

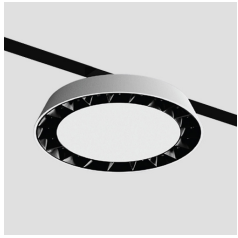


FG-T8-1  
*Track Globe*

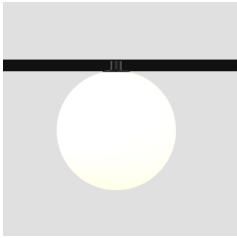


FG-T9-1  
*Track Globe*

**GROOVE TRACK LUMINAIRE OPTIONS:**



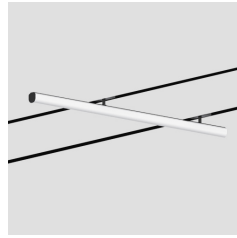
FG-T10-1  
*Track Downlight*



FG-T11-1  
*Globe*



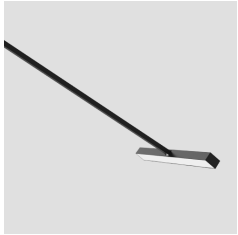
FG-L2S-32 | 48  
*Surface Light*



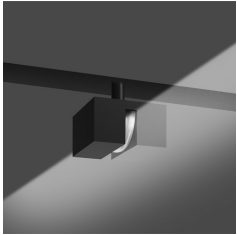
FG-L5S-32 | 48  
*Surface Light*



FG-WL-1  
*Wall Light*



FG-WL-2  
*Wall Light*



FG-LL-1  
*Line Light*



FG-TPJ-1  
*Projector*



FG-TPJ-2  
*Gobo Projector*

**GROOVE TRACK MOUNTING OPTIONS:**



*Trimless Recessed Mount*



*Surface, Ceiling Mount*



*Suspended Mount with Uplight*



*Suspended Mount*