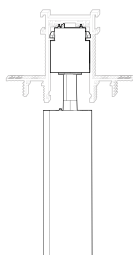
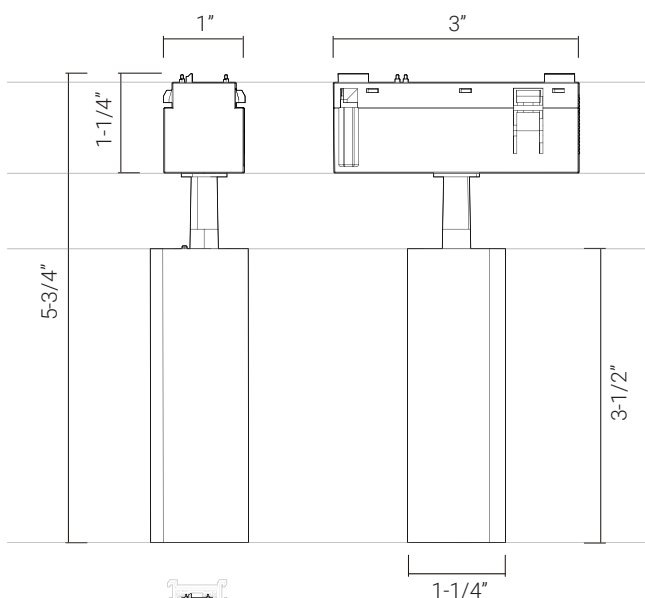


Rotate 355° Tilt 85°



section view into track

SERIES	DELIVERED LUMENS	WATTAGE
FG-T2-3	500	12W

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

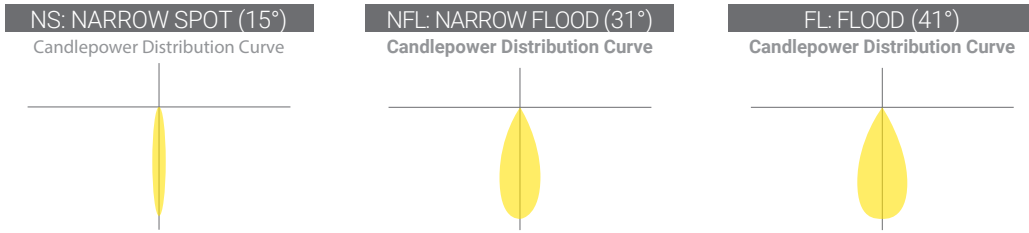
### GROOVE 'CYLINDER' SERIES

The FG-T2-3 Cylinder Track Heads are crafted with black interiors and narrow spot 15°, narrow flood 31°, and flood 41° 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: 3-1/2"; Diameter: 1-1/4"
CCT	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
OPTICS	Narrow Spot 15°, Narrow Flood 31°, Flood 41°
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**

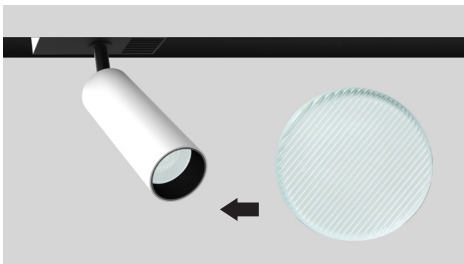
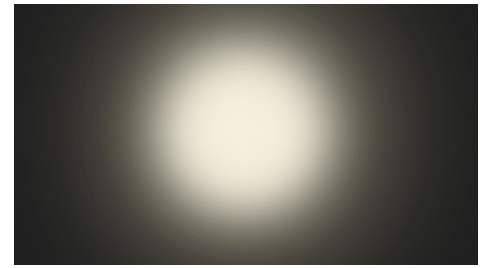
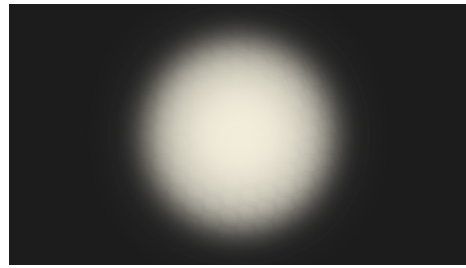
Luminaires are available in a powder-coated black or white post-paint finish. They may also be issued in custom RAL colors upon request. Consult the factory to find out which custom colors can be accommodated.

**WARRANTY**

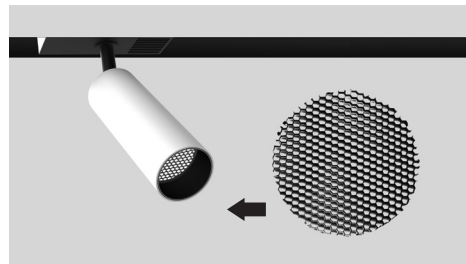
Five-year warranty for parts and components.

EXAMPLE:	SERIES	OPTICS	CCT	CRI	FINISH	ACCESSORY	OPTION
	FG-T2-3	<input type="checkbox"/> NS=15° <input type="checkbox"/> NFL=31° <input type="checkbox"/> FL=41°	<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

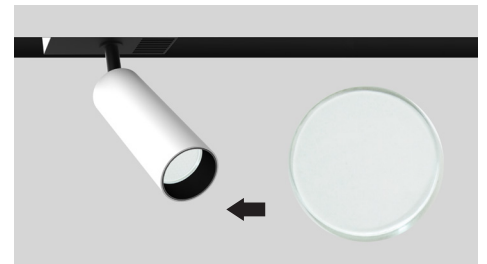
**ACCESSORIE HOLDER WITH HONEYCOMB LENS**



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



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

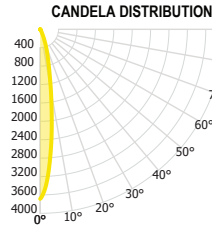


**FG-T-ACC-FR-1** FROSTED DIFFUSER

**FG-T2-3-NS-40K-90**

TEST NO.: **220062**

INPUT WATTS: **12.0**      LUMENS: **527**      EFFICACY: **44**      BEAM ANGLE: **15**      SPACING CRITERIA: **0.26 x 0.26**



**CANDELA TABLE**

	0°	90°
0°	3685	3685
10°	1340	1359
20°	321	341
30°	44	50
40°	10	10
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°	56109938	56109938
45.00°	129858	136319
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

**LUMENS PER ZONE**

ZONE	LUMENS
0° - 10°	225
10° - 20°	210
20° - 30°	73
30° - 40°	14
40° - 50°	5
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	434	82%
0° - 30°	508	96%
0° - 40°	522	99%
0° - 60°	527	100%
0° - 80°	527	100%
0° - 90°	527	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	102.4 fc	1.8 ft	1.8 ft
8.0 ft	57.6 fc	2.4 ft	2.4 ft
10.0 ft	36.8 fc	3.0 ft	3.0 ft
12.0 ft	25.6 fc	3.6 ft	3.5 ft
14.0 ft	18.8 fc	4.2 ft	4.1 ft
16.0 ft	14.4 fc	4.8 ft	4.7 ft
18.0 ft	11.4 fc	5.4 ft	5.3 ft
20.0 ft	9.2 fc	6.0 ft	5.9 ft

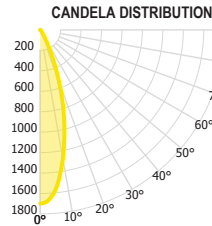
**INDOOR COEFFICIENTS OF UTILIZATION**

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	102	102	102	102	0%
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94	97
2	111	108	105	103	109	106	104	102	103	101	100	100	99	97	98	97	96	95	94	93	91	94
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6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84	83	81	84	84
7	97	91	87	84	96	91	87	84	89	86	84	88	86	83	88	85	83	82	81	79	81	81
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	79	77	79	79
9	92	86	83	80	92	86	82	80	85	82	80	84	82	79	84	81	79	78	77	75	77	77
10	90	84	80	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	75	74	76	76

**FG-T2-3-NFL-40K-90**

TEST NO.: **220062**

INPUT WATTS: **12.3**      LUMENS: **531**      EFFICACY: **43**      BEAM ANGLE: **31**      SPACING CRITERIA: **0.52**



**CANDELA TABLE**

	0°	90°
0°	1698	1698
10°	1277	1204
20°	534	490
30°	88	75
40°	12	10
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°	25850743	25850743
45.00°	85711	72359
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

**LUMENS PER ZONE**

ZONE	LUMENS
0° - 10°	140
10° - 20°	243
20° - 30°	121
30° - 40°	23
40° - 50°	4
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	384	72%
0° - 30°	504	95%
0° - 40°	527	99%
0° - 60°	531	100%
0° - 80°	531	100%
0° - 90°	531	100%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	47.2 fc	3.3 ft	3.4 ft
8.0 ft	26.5 fc	4.4 ft	4.5 ft
10.0 ft	17.0 fc	5.6 ft	5.6 ft
12.0 ft	11.8 fc	6.7 ft	6.8 ft
14.0 ft	8.7 fc	7.8 ft	7.9 ft
16.0 ft	6.6 fc	8.9 ft	9.0 ft
18.0 ft	5.2 fc	10.0 ft	10.1 ft
20.0 ft	4.2 fc	11.1 ft	11.3 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	102	102	102	102	0%
1	115	112	110	109	112	110	108	107	106	105	104	103	102	101	99	98	98	98	98	98	96	96
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92	90	89	89	91
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89	88	86	89	89
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85	83	86	86	
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82	80	83	83	
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8	90	83	79	76	89	83	78	76	82	78	75	81	77	75	80	77	75	74	72	75	75	
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71	69	72	72	
10	85	78	73	70	84	77	73	70	77	73	70	76	72	70	75	72	70	69	67	70	70	

**FG-T2-3-FL-40K-90**

TEST NO.: **220062**

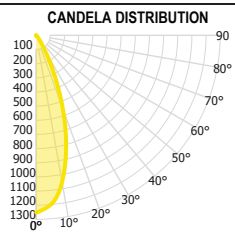
INPUT WATTS: **12.1**

LUMENS: **535**

EFFICACY: **44**

BEAM ANGLE: **41**

SPACING CRITERIA: **0.60**



**CANDELA TABLE**

	0°	90°
0°	1252	1252
10°	1053	1119
20°	548	561
30°	123	113
40°	18	14
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°	19060659	19060659
45.00°	59868	38118
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

**LUMENS PER ZONE**

ZONE	LUMENS
0° - 10°	113
10° - 20°	233
20° - 30°	148
30° - 40°	37
40° - 50°	4
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	346	65%
0° - 30°	494	92%
0° - 40°	531	99%
0° - 60°	535	100%
0° - 80°	535	100%
0° - 90°	535	100%

**CONE OF LIGHT**

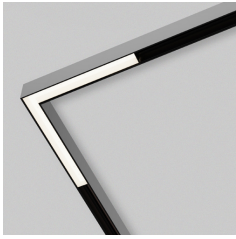
MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	34.8 fc	4.2 ft	4.2 ft
8.0 ft	19.6 fc	5.5 ft	5.5 ft
10.0 ft	12.5 fc	6.9 ft	6.9 ft
12.0 ft	8.7 fc	8.3 ft	8.3 ft
14.0 ft	6.4 fc	9.7 ft	9.7 ft
16.0 ft	4.9 fc	11.1 ft	11.1 ft
18.0 ft	3.9 fc	12.5 ft	12.5 ft
20.0 ft	3.1 fc	13.9 ft	13.8 ft



**INDOOR COEFFICIENTS OF UTILIZATION**

pf	20%																0%				
	80%				70%				50%				30%					10%			
pc	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	0%
pw	0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100	0%
1	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	98	97	96	96	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91	91	91	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87	87	87	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83	83	83	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80	80	80	80
6	95	88	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	76	76	76	76
7	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73	73	73	73
8	88	81	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70	70	70	70
9	85	77	73	69	84	77	72	69	76	72	69	75	72	69	75	71	69	68	68	68	68
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65	65	65	65

**GROOVE TRACK LUMINAIRE OPTIONS:**



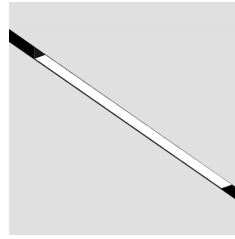
FG-L1R-C90  
*Seamless Linear Diffused*



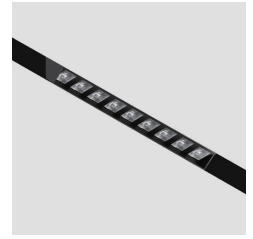
FG-L1R-CI  
*Seamless Linear Diffused*



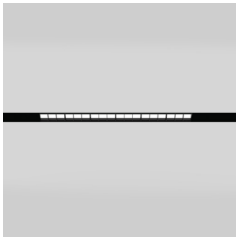
FG-L1R-CO  
*Seamless Linear Diffused*



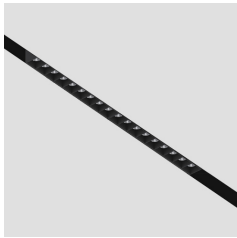
FG-L1R-8|16|32|48|64  
*Seamless Linear Diffused*



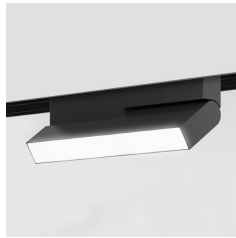
FG-L1-WW-3|8  
*Wall Wash*



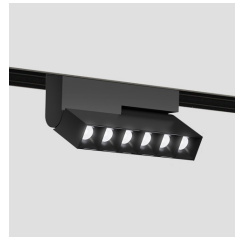
FG-L3R-16|32  
*Linear Louvered*



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



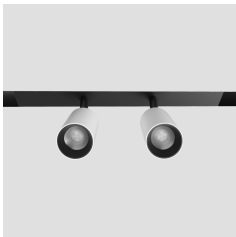
FG-L2A-3|5|8  
*Linear Diffused & Adjustable Light*



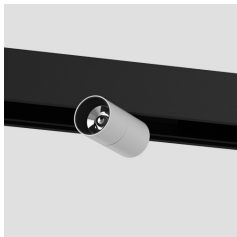
FG-L4A-3|5|8  
*Linear Adjustable Downlight, Task & Wall Grazer*



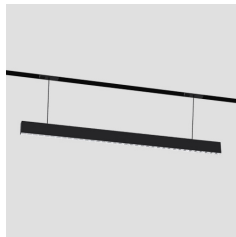
FG-T2-1|2|3| FG-T3-1|2|3  
*Cylinder*



FG-T2-4  
*Cylinder*



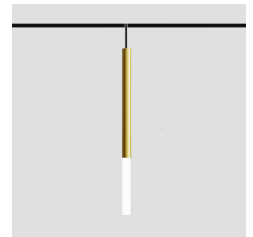
FG-T4-1|2|3  
*Beam Adjustable Cylinder*



FG-L1P-32  
*Pendant Louvered*



FG-P1-1|2  
*Pendant*



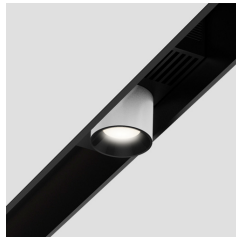
FG-P3-1|2  
*Pendant*



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



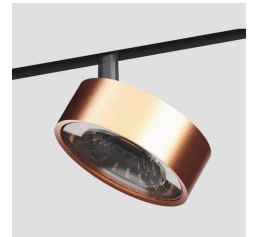
FG-P5-1  
*Globe*



FG-T1-1  
*Recessed Track Light*



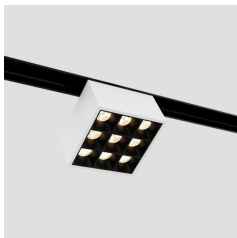
FG-T1-2  
*Recessed Track Light*



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*

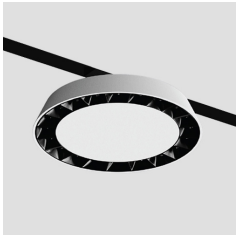


FG-T8-1  
*Track Globe*

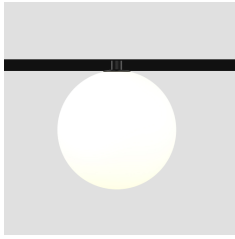


FG-T9-1  
*Track Globe*

**GROOVE TRACK LUMINAIRE OPTIONS:**



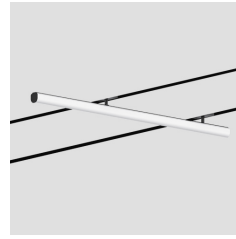
FG-T10-1  
*Track Downlight*



FG-T11-1  
*Globe*



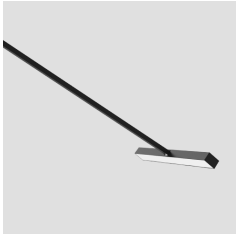
FG-L2S-32 | 48  
*Surface Light*



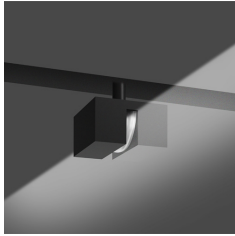
FG-L5S-32 | 48  
*Surface Light*



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*