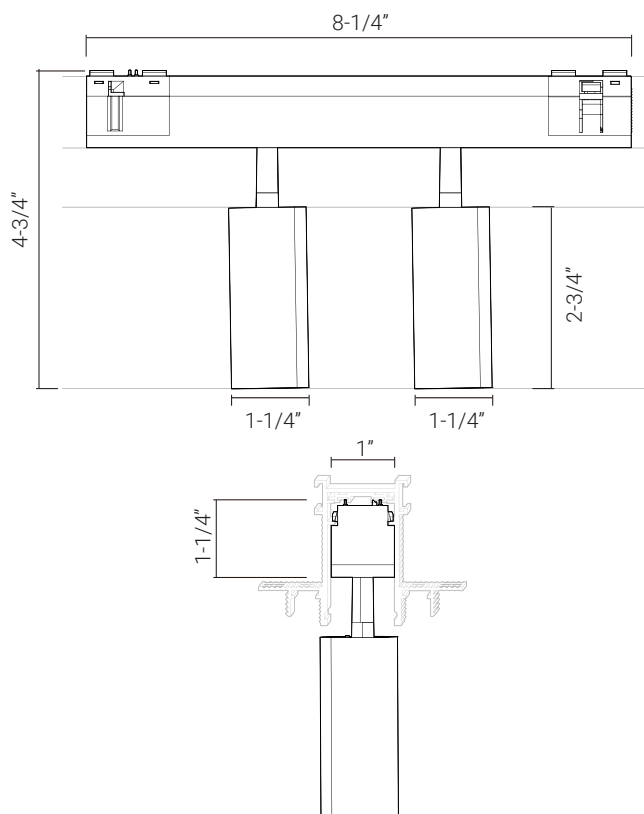


Rotate 355° Tilt 85°



section view into track

SERIES	DELIVERED LUMENS	WATTAGE
FG-T2-4	1100	17W

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

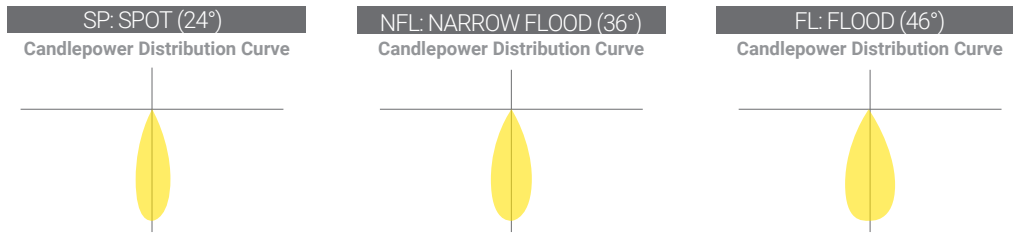
GROOVE 'CYLINDER' SERIES

The FG-T2-4 Cylinder Luminaires are crafted with black interiors and spot 24°, narrow flood 36°, and flood 46° TIR optics, providing precise beam control and reducing glare. The FG-T2-4 Cylinder Luminaire is equipped with 2 heads for 2 times brighter, focused, glare-free illumination. Ideal for installation between other track lights to emphasize an object below. The optics are field changeable, with various lumen and distribution options. Additionally, each optic can be overlaid with a single optical accessory, such as 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 36°, 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 list of compatible DMX and DALI control systems.

FINISH

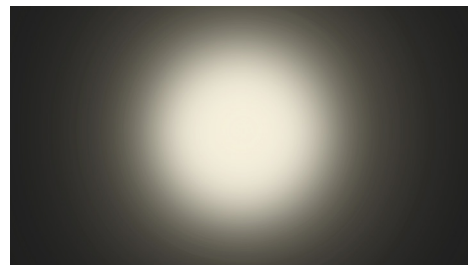
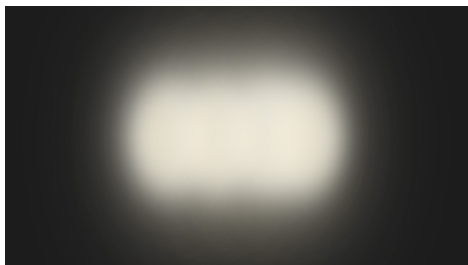
The luminaires are all available in a powder-coated black or white post-paint finish. They may also be issued in custom RAL colors upon request. Consult the factory to find out which custom colors can be accommodated.

WARRANTY

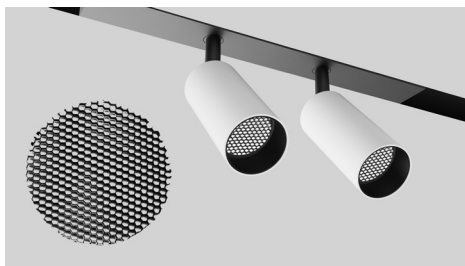
Five-year warranty for parts and components.

EXAMPLE:						
SERIES	OPTICS	CCT	CRI	FINISH	ACCESSORY	OPTION
FG-T2-4	<input type="checkbox"/> SP=24° <input type="checkbox"/> NFL=36° <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

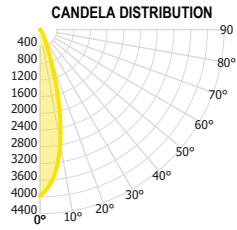


FG-T-ACC-FR-1 FROSTED DIFFUSER

FG-T2-4-SP-40K-90

TEST NO.: **220062**

INPUT WATTS: **16.9** LUMENS: **1183** EFFICACY: **70** BEAM ANGLE: **24** SPACING CRITERIA: **0.45**



CANDELA TABLE	
0°	90°
0°	3972 3972
10°	2761 2961
20°	686 881
30°	123 149
40°	22 27
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°	15120080	15120080
45.00°	32411	50500
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	338
10° - 20°	563
20° - 30°	218
30° - 40°	53
40° - 50°	11
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	901	76%
0° - 30°	1120	95%
0° - 40°	1173	99%
0° - 60°	1183	100%
0° - 80°	1183	100%
0° - 90°	1183	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	110.3 fc	3.3 ft	3.3 ft
8.0 ft	62.1 fc	4.5 ft	4.4 ft
10.0 ft	39.7 fc	5.6 ft	5.5 ft
12.0 ft	27.6 fc	6.7 ft	6.7 ft
14.0 ft	20.3 fc	7.8 ft	7.8 ft
16.0 ft	15.5 fc	8.9 ft	8.9 ft
18.0 ft	12.3 fc	10.0 ft	10.0 ft
20.0 ft	9.9 fc	11.1 ft	11.1 ft

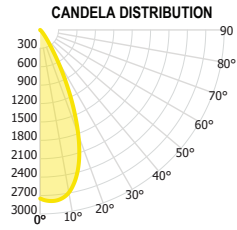
INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	20%																				
		80%				70%				50%				30%				10%				0%
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	106	106	106	102	102	102	100	100	100	100	0%
1	115	112	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96	0%
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	93	93	93	0%
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89	89	89	89	0%
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86	86	0%
5	100	94	90	87	99	93	89	86	91	88	85	90	87	85	89	86	84	83	83	83	83	0%
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	80	80	0%
7	94	87	83	80	93	87	82	80	86	82	79	84	81	79	83	81	78	77	77	77	77	0%
8	91	84	80	77	90	84	80	77	83	79	76	82	79	76	81	78	76	75	75	75	75	0%
9	88	81	77	74	88	81	77	74	80	77	74	79	76	74	79	76	74	73	73	73	73	0%
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	74	71	70	70	70	70	0%

FG-T2-4-NFL-40K-90

TEST NO.: **220062**

INPUT WATTS: **16.9** LUMENS: **1118** EFFICACY: **66** BEAM ANGLE: **36** SPACING CRITERIA: **0.76**



CANDELA TABLE	
0°	90°
0°	2749 2749
10°	2693 2323
20°	1816 1030
30°	524 194
40°	79 29
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°	10466459	10466459
45.00°	167438	57230
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	244
10° - 20°	492
20° - 30°	295
30° - 40°	75
40° - 50°	13
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	736	66%
0° - 30°	1031	92%
0° - 40°	1105	99%
0° - 60°	1118	100%
0° - 80°	1118	100%
0° - 90°	1118	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	76.4 fc	4.1 ft	3.9 ft
8.0 ft	43.0 fc	5.4 ft	5.3 ft
10.0 ft	27.5 fc	6.8 ft	6.6 ft
12.0 ft	19.1 fc	8.1 ft	7.9 ft
14.0 ft	14.0 fc	9.5 ft	9.2 ft
16.0 ft	10.7 fc	10.8 ft	10.5 ft
18.0 ft	8.5 fc	12.2 ft	11.8 ft
20.0 ft	6.9 fc	13.6 ft	13.1 ft

INDOOR COEFFICIENTS OF UTILIZATION

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

FG-T2-4-FL-40K-90

TEST NO.: **220062**

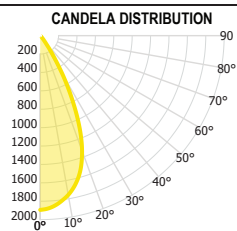
INPUT WATTS: **16.9**

LUMENS: **1147**

EFFICACY: **68**

BEAM ANGLE: **46**

SPACING CRITERIA: **0.80**



CANDELA TABLE

	0°	90°
0°	1894	1894
10°	1758	1755
20°	1331	1139
30°	487	249
40°	53	29
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°	7209991	7209991
45.00°	121190	60514
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	175
10° - 20°	441
20° - 30°	398
30° - 40°	116
40° - 50°	17
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	616	54%
0° - 30°	1014	88%
0° - 40°	1130	98%
0° - 60°	1147	100%
0° - 80°	1147	100%
0° - 90°	1147	100%

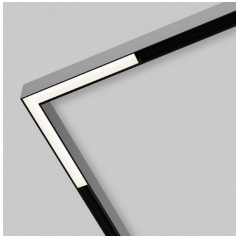
CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	52.6 fc	5.4 ft	5.5 ft
8.0 ft	29.6 fc	7.2 ft	7.3 ft
10.0 ft	18.9 fc	9.0 ft	9.2 ft
12.0 ft	13.2 fc	10.8 ft	11.0 ft
14.0 ft	9.7 fc	12.6 ft	12.8 ft
16.0 ft	7.4 fc	14.4 ft	14.7 ft
18.0 ft	5.8 fc	16.2 ft	16.5 ft
20.0 ft	4.7 fc	18.0 ft	18.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf	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%
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	102	100	0%
1	114	111	109	107	111	109	107	106	105	104	102	102	100	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	91	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85	86	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81	82	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	76	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73	74	74	73
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69	70	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66	67	67	66
9	81	73	68	65	80	73	68	64	72	67	64	71	67	64	70	67	64	63	64	64	63
10	78	70	65	61	77	70	65	61	69	64	61	68	64	61	67	64	61	60	61	61	60

GROOVE TRACK LUMINAIRE OPTIONS:



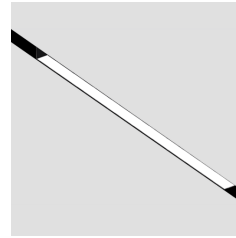
FG-L1R-C90
Seamless Linear Diffused



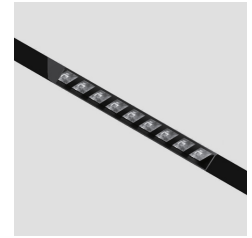
FG-L1R-CI
Seamless Linear Diffused



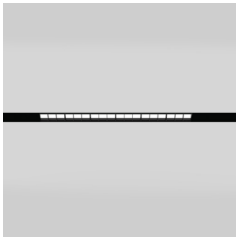
FG-L1R-CO
Seamless Linear Diffused



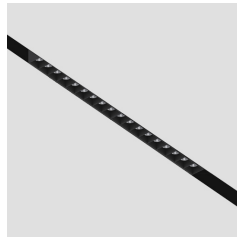
FG-L1R-8 | 16 | 32 | 48 | 64
Seamless Linear Diffused



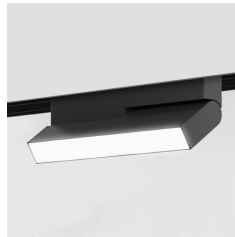
FG-L1-WW-3 | 8
Wall Wash



FG-L3R-16 | 32
Linear Louvered



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



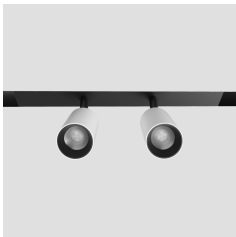
FG-L2A-3 | 5 | 8
Linear Diffused & Adjustable Light



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



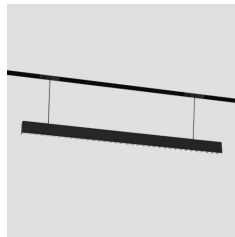
FG-T2-1 | 2 | 3 | FG-T3-1 | 2 | 3
Cylinder



FG-T2-4
Cylinder



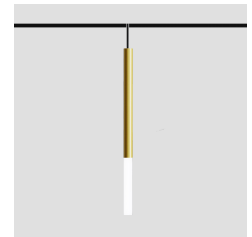
FG-T4-1 | 2 | 3
Beam Adjustable Cylinder



FG-L1P-32
Pendant Louvered



FG-P1-1 | 2
Pendant



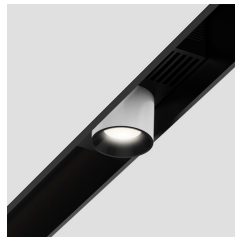
FG-P3-1 | 2
Pendant



FG-P4-1 | 2 | 3
Pendant Globe



FG-P5-1
Globe



FG-T1-1
Recessed Track Light



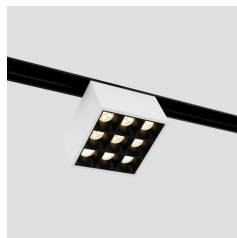
FG-T1-2
Recessed Track Light



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

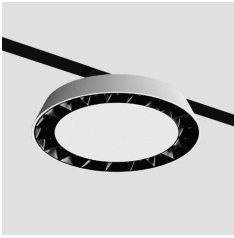


FG-T8-1
Track Globe

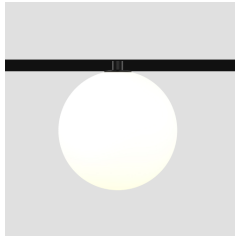


FG-T9-1
Track Globe

GROOVE TRACK LUMINAIRE OPTIONS:



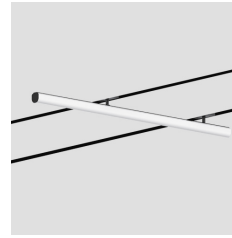
FG-T10-1
Track Downlight



FG-T11-1
Globe



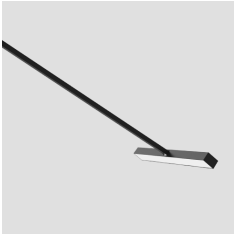
FG-L2S-32 | 48
Surface Light



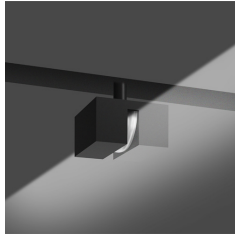
FG-L5S-32 | 48
Surface Light



FG-WL-1
Wall Light



FG-WL-2
Wall Light



FG-LI-1
Line Light



FG-TRJ-1
Projector



FG-TRJ-2
Gobo Projector

GROOVE TRACK MOUNTING OPTIONS:



Trimless Recessed Mount



Surface, Ceiling Mount



Suspended Mount with Uplight



Suspended Mount