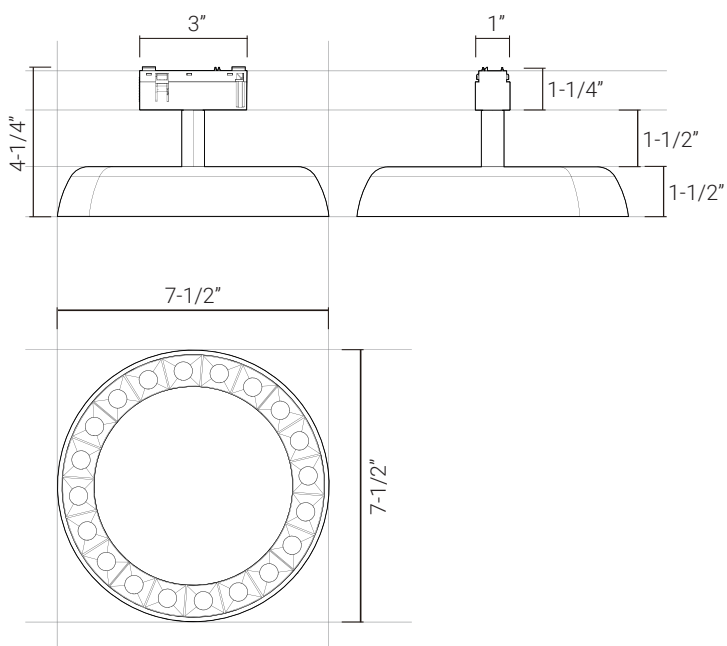


Rotate 355°



GROOVE 'TRACK DOWNLIGHT' SERIES

The 'Track Downlight' Luminaire makes a statement, uniting a track system with a true down light effect equipped with your choice of 20° spot or 34° narrow flood TIR optics.

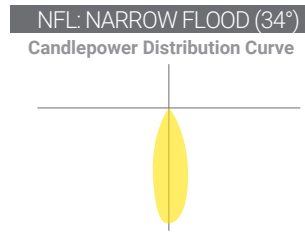
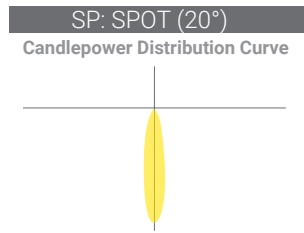
The round design with regressed point sources provides a focused illumination for the perfect union of decorative and practical application.

SERIES	Groove - 'Track Downlight' series
SIZE	Diameter: 7-1/2"
CCT	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
OPTICS	Spot 20°, Narrow Flood 34°
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

SERIES	DELIVERED LUMENS	WATTAGE
FG-T10-1	1550	20W

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





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

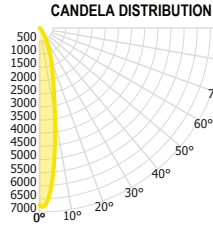
Five-year warranty for parts and components.

EXAMPLE:					
SERIES	OPTICS	CCT	CRI	FINISH	OPTION
FG-T10-1	<input type="checkbox"/> SP=20° <input type="checkbox"/> NFL=34°	<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"/> BK-BK (Black) <input type="checkbox"/> WH-BK (White+Black)	<input type="checkbox"/> 48V <input type="checkbox"/> 48V-BLE (Bluetooth) *Power supply must be ordered separately

FG-T10-1-SP-40K-90

TEST NO.: **220062**

INPUT WATTS: **18.8** LUMENS: **1535** EFFICACY: **82** BEAM ANGLE: **20** SPACING CRITERIA: **0.33**



	0°	90°
0°	6747	6747
10°	3385	3160
20°	1299	1234
30°	499	478
40°	160	155
50°	0	0
60°	0	0
70°	0	0
80°	0	0
90°	0	0

	0.00°	90.00°
0.00°	2561399	2561399
45.00°	48959	47504
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

ZONE	LUMENS
0° - 10°	427
10° - 20°	520
20° - 30°	354
30° - 40°	168
40° - 50°	66
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONE	UMENS	% LUMINAIRE
0° - 20°	947	62%
0° - 30°	1301	85%
0° - 40°	1468	96%
0° - 60°	1535	100%
0° - 80°	1535	100%
0° - 90°	1535	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	187.4 fc	1.9 ft	1.9 ft
8.0 ft	105.4 fc	2.6 ft	2.5 ft
10.0 ft	67.5 fc	3.2 ft	3.2 ft
12.0 ft	46.9 fc	3.8 ft	3.8 ft
14.0 ft	34.4 fc	4.5 ft	4.4 ft
16.0 ft	26.4 fc	5.1 ft	5.0 ft
18.0 ft	20.8 fc	5.8 ft	5.7 ft
20.0 ft	16.9 fc	6.4 ft	6.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

pw	20%												10%	5%	0%				
	80%			70%			50%			30%									
pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	115	115	115	115	112	112	112	112	107	107	107	103	103	103	99	99	99	97	0%
1	111	108	106	104	108	106	104	103	102	101	100	99	98	97	96	95	94	92	0%
2	106	102	99	96	104	101	98	95	98	95	93	95	93	91	92	91	89	88	0%
3	102	97	93	90	100	96	92	89	93	90	88	91	89	86	89	87	85	84	0%
4	98	92	88	85	97	91	87	84	89	86	83	87	85	82	86	83	81	80	0%
5	95	88	83	80	93	87	83	80	86	82	79	84	81	78	83	80	78	76	0%
6	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73	0%
7	88	81	76	73	87	80	76	72	79	75	72	78	74	72	77	74	71	70	0%
8	85	77	73	69	84	77	72	69	76	72	69	75	71	69	74	71	69	67	0%
9	82	74	70	67	81	74	70	67	73	69	66	72	69	66	72	68	66	65	0%
10	79	72	67	64	78	71	67	64	71	67	64	70	66	64	69	66	64	63	0%

FG-T10-1-NFL-40K-90

TEST NO.: **220062**

INPUT WATTS: **18.8** LUMENS: **1574** EFFICACY: **84** BEAM ANGLE: **34** SPACING CRITERIA: **0.58**



	0°	90°
0°	3906	3906
10°	3282	3242
20°	1628	1579
30°	569	546
40°	188	182
50°	0	0
60°	0	0
70°	0	0
80°	0	0
90°	0	0

	0.00°	90.00°
0.00°	1482687	1482687
45.00°	53238	51944
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

ZONE	LUMENS
0° - 10°	331
10° - 20°	601
20° - 30°	392
30° - 40°	184
40° - 50°	67
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONE	UMENS	% LUMINAIRE
0° - 20°	932	59%
0° - 30°	1324	84%
0° - 40°	1508	96%
0° - 60°	1574	100%
0° - 80°	1574	100%
0° - 90°	1574	100%

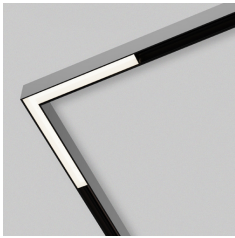
CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	108.5 fc	3.5 ft	3.5 ft
8.0 ft	61.0 fc	4.7 ft	4.7 ft
10.0 ft	39.1 fc	5.9 ft	5.9 ft
12.0 ft	27.1 fc	7.1 ft	7.0 ft
14.0 ft	19.9 fc	8.3 ft	8.2 ft
16.0 ft	15.3 fc	9.5 ft	9.4 ft
18.0 ft	12.1 fc	10.6 ft	10.5 ft
20.0 ft	9.8 fc	11.8 ft	11.7 ft

INDOOR COEFFICIENTS OF UTILIZATION

pw	20%												10%	5%	0%				
	80%			70%			50%			30%									
pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	115	115	115	115	113	113	113	113	108	108	108	103	103	103	99	99	99	97	0%
1	111	108	106	104	108	106	105	103	101	100	99	98	97	96	95	94	92	0%	
2	106	102	99	96	104	101	98	95	98	95	93	95	93	91	92	90	89	88	0%
3	102	97	93	89	100	95	92	89	93	90	87	91	88	86	88	86	84	83	0%
4	98	92	87	84	96	91	86	83	89	85	82	87	84	81	85	82	80	79	0%
5	94	87	82	79	92	86	82	78	85	81	78	83	80	77	82	79	76	75	0%
6	90	83	78	74	89	82	78	74	81	77	74	80	76	73	78	75	73	72	0%
7	87	79	74	71	86	79	74	71	77	73	70	76	73	70	75	72	69	68	0%
8	83	76	71	67	82	75	70	67	74	70	67	73	69	67	72	69	66	65	0%
9	80	72	68	64	79	72	67	64	71	67	64	70	67	64	70	66	64	63	0%
10	78	70	65	62	77	69	65	62	68	64	61	68	64	61	67	64	61	60	0%

GROOVE TRACK LUMINAIRE OPTIONS:



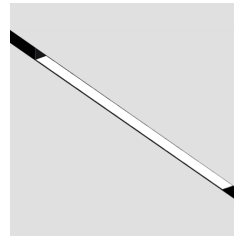
FG-L1R-C90
Seamless Linear Diffused



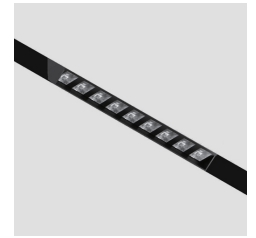
FG-L1R-CI
Seamless Linear Diffused



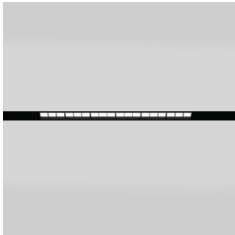
FG-L1R-CO
Seamless Linear Diffused



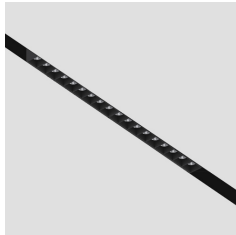
FG-L1R-8 | 16 | 32 | 48 | 64
Seamless Linear Diffused



FG-L1-WW-3 | 8
Wall Wash



FG-L3R-16 | 32
Linear Louvered



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



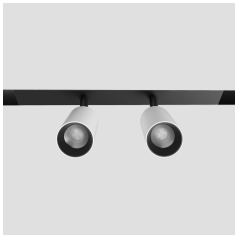
FG-L2A-3 | 5 | 8
Linear Diffused & Adjustable Light



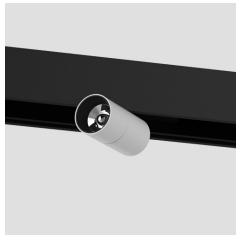
FG-L4A-3 | 5 | 8
Linear Adjustable Downlight, Task & Wall Grazer



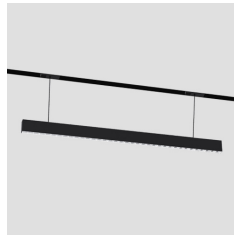
FG-T2-1 | 2 | 3 | FG-T3-1 | 2 | 3
Cylinder



FG-T2-4
Cylinder



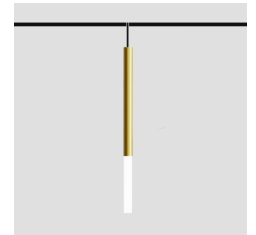
FG-T4-1 | 2 | 3
Beam Adjustable Cylinder



FG-L1P-32
Pendant Louvered



FG-P1-1 | 2
Pendant



FG-P3-1 | 2
Pendant



FG-P4-1 | 2 | 3
Pendant Globe



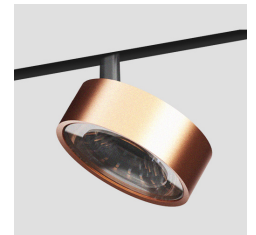
FG-P5-1
Globe



FG-T1-1
Recessed Track Light



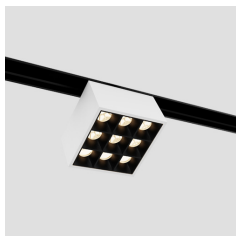
FG-T1-2
Recessed Track Light



FG-T5-1 | 2
Flat Round



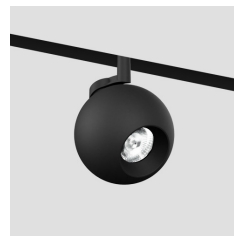
FG-T6-1 | 2
Flat Square



FG-T7-1 | 13
Square Track Light



FG-T7-2
Rectangle Track Light

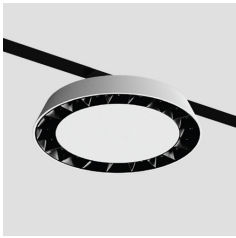


FG-T8-1
Track Globe

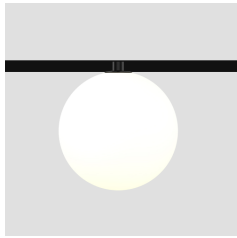


FG-T9-1
Track Globe

GROOVE TRACK LUMINAIRE OPTIONS:



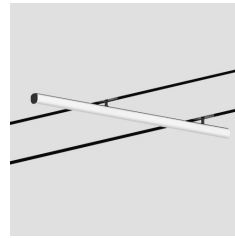
FG-T10-1
Track Downlight



FG-T11-1
Globe



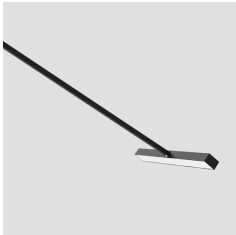
FG-L2S-32 | 48
Surface Light



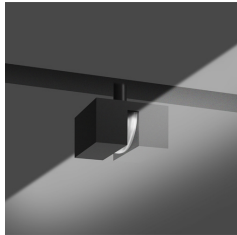
FG-L5S-32 | 48
Surface Light



FG-WL-1
Wall Light



FG-WL-2
Wall Light



FG-LL-1
Line Light



FG-TRJ-1
Projector



FG-TRJ-2
Gobo Projector

GROOVE TRACK MOUNTING OPTIONS:



Trimless Recessed Mount



Surface, Ceiling Mount



Suspended Mount with Uplight



Suspended Mount