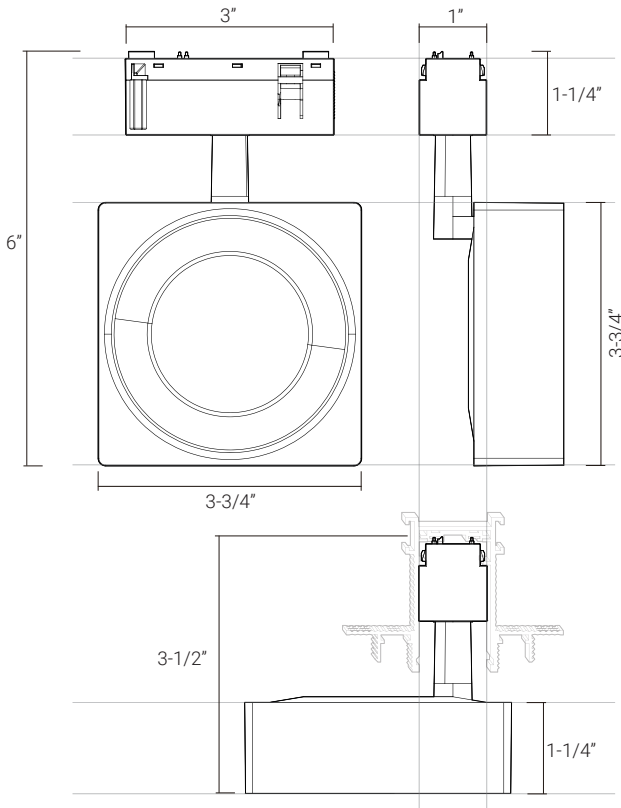


Rotate 355° Tilt 85°



SERIES	DELIVERED LUMENS	WATTAGE
FG-T6-1	1200	16W

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

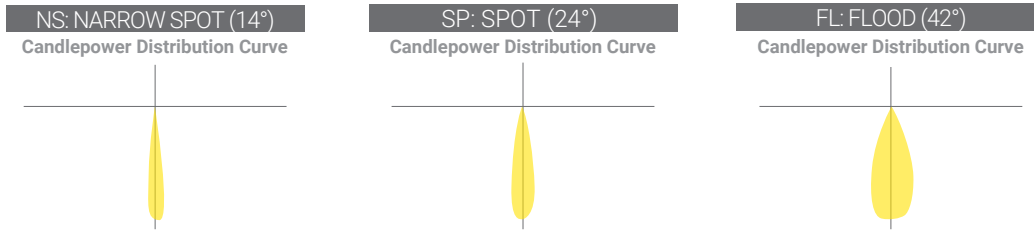
GROOVE 'FLAT SQUARE' SERIES

The FG-T6-1 Flat Square Track Heads are crafted for a slim, modern look with narrow spot 14°, spot 24°, and flood 42° TIR optics, providing precise beam control and reducing glare. The optics are field changeable, with various lumen and distribution options.

Groove 'Flat Square' Track Heads are equipped with nearly a full range of motion with a rotational range of 355° and a tilt range of 85°. The luminaire serves as an excellent task or accent light.

SERIES	Groove - 'Flat Square' series
SIZE	Diameter 3-3/4"
CCT	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
OPTICS	Narrow Spot 14°, Spot 24°, Flood 42°
FINISH	○ WH (White) ● 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

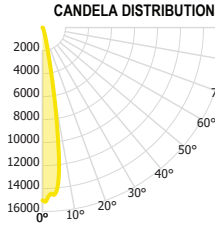
Five-year warranty for parts and components.

EXAMPLE:					
SERIES	OPTICS	CCT	CRI	FINISH	OPTION
FG-T6-1	<input type="checkbox"/> NS=14° <input type="checkbox"/> SP=24° <input type="checkbox"/> FL=42°	<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 (Black) <input type="checkbox"/> WH (White)	<input type="checkbox"/> 48V <input type="checkbox"/> 48V-BLE (Bluetooth) *Power supply must be ordered separately

FG-T6-1-NS-40K-90

TEST NO.: **220062**

INPUT WATTS: **16.0** LUMENS: **1210** EFFICACY: **76** BEAM ANGLE: **14** SPACING CRITERIA: **0.31**



CANDELA TABLE	
	0° 90°
0°	15022 15022
10°	5514 3154
20°	475 350
30°	139 126
40°	65 67
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°	20587704	20587704
45.00°	95901	96657
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	751
10° - 20°	279
20° - 30°	91
30° - 40°	53
40° - 50°	36
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	1030	85%
0° - 30°	1121	93%
0° - 40°	1174	97%
0° - 60°	1210	100%
0° - 80°	1210	100%
0° - 90°	1210	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	417.3 fc	1.5 ft	1.4 ft
8.0 ft	234.7 fc	1.9 ft	1.9 ft
10.0 ft	150.2 fc	2.4 ft	2.4 ft
12.0 ft	104.3 fc	2.9 ft	2.9 ft
14.0 ft	76.6 fc	3.4 ft	3.3 ft
16.0 ft	58.7 fc	3.9 ft	3.8 ft
18.0 ft	46.4 fc	4.4 ft	4.3 ft
20.0 ft	37.6 fc	4.8 ft	4.8 ft

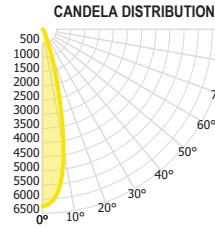
INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	20%										0%			
		80%		70%		50%		30%		10%					
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	113	113	113	113	111	111	111	106	106	106	101	101	97	97	95
1	110	108	107	105	108	106	105	103	102	101	100	99	98	97	95
2	107	104	101	99	105	102	100	98	99	98	96	97	95	94	91
3	104	100	97	95	103	99	96	94	97	95	93	95	93	91	89
4	102	97	94	92	100	96	93	91	94	92	90	93	91	89	87
5	99	95	91	89	98	94	91	88	92	90	88	91	89	87	85
6	97	92	89	86	96	92	88	86	90	88	86	89	87	85	84
7	95	90	87	84	94	90	87	84	89	86	84	88	85	84	82
8	93	88	85	83	93	88	85	83	87	84	82	86	84	82	81
9	92	87	83	81	91	86	83	81	86	83	81	85	82	81	80
10	90	85	82	80	90	85	82	80	84	82	80	84	81	80	79

FG-T6-1-SP-40K-90

TEST NO.: **220062**

INPUT WATTS: **15.9** LUMENS: **1207** EFFICACY: **76** BEAM ANGLE: **24** SPACING CRITERIA: **0.43**



CANDELA TABLE	
	0° 90°
0°	6242 6242
10°	4294 4025
20°	802 647
30°	181 155
40°	78 69
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°	8554272	8554272
45.00°	101367	92917
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	486
10° - 20°	471
20° - 30°	146
30° - 40°	68
40° - 50°	37
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	957	79%
0° - 30°	1103	91%
0° - 40°	1171	97%
0° - 60°	1207	100%
0° - 80°	1207	100%
0° - 90°	1207	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	173.4 fc	2.4 ft	2.4 ft
8.0 ft	97.5 fc	3.2 ft	3.2 ft
10.0 ft	62.4 fc	4.0 ft	4.0 ft
12.0 ft	43.3 fc	4.8 ft	4.8 ft
14.0 ft	31.8 fc	5.6 ft	5.6 ft
16.0 ft	24.4 fc	6.4 ft	6.4 ft
18.0 ft	19.3 fc	7.2 ft	7.2 ft
20.0 ft	15.6 fc	8.0 ft	8.0 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%	0%
0	113	113	113	113	110	110	110	105	105	105	101	101	101	97	97
1	109	107	105	104	107	105	103	102	101	100	99	98	97	96	95
2	106	102	99	97	104	101	98	96	98	96	94	95	93	92	91
3	102	98	94	92	100	97	93	91	94	92	90	92	90	88	87
4	99	94	90	87	98	93	90	87	91	88	86	89	87	85	84
5	96	91	87	84	95	90	86	84	88	85	83	87	84	82	81
6	93	88	84	81	92	87	83	81	86	82	80	84	82	80	79
7	91	85	81	78	90	84	81	78	83	80	78	82	79	77	76
8	88	82	78	76	88	82	78	76	81	78	75	80	77	75	74
9	86	80	76	74	85	80	76	73	79	76	73	78	75	73	72
10	84	78	74	72	83	78	74	72	77	74	71	76	73	71	70

FG-T6-1-FL-40K-90

TEST NO.: **220062**

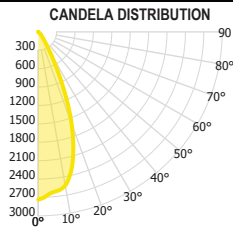
INPUT WATTS: **16.0**

LUMENS: **1263**

EFFICACY: **79**

BEAM ANGLE: **42**

SPACING CRITERIA: **0.71**



CANDELA TABLE

	0°	90°
0°	2734	2734
10°	2542	2654
20°	1591	1443
30°	400	308
40°	97	80
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°	3746957	3746957
10°	1169111	101871
20°	0	0
30°	0	0
40°	0	0
50°	0	0
60°	0	0
70°	0	0
80°	0	0
90°	0	0

LUMENS PER ZONE

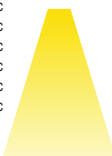
ZONE	LUMENS
0° - 10°	253
10° - 20°	541
20° - 30°	328
30° - 40°	100
40° - 50°	41
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	794	63%
0° - 30°	1122	89%
0° - 40°	1222	97%
0° - 60°	1263	100%
0° - 80°	1263	100%
0° - 90°	1263	100%

CONE OF LIGHT

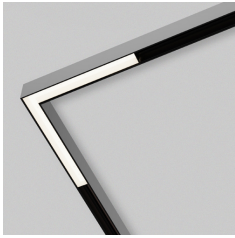
MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	75.9 fc	4.3 ft	4.3 ft
8.0 ft	42.7 fc	5.7 ft	5.8 ft
10.0 ft	27.3 fc	7.1 ft	7.2 ft
12.0 ft	19.0 fc	8.5 ft	8.6 ft
14.0 ft	13.9 fc	9.9 ft	10.1 ft
16.0 ft	10.7 fc	11.3 ft	11.5 ft
18.0 ft	8.4 fc	12.8 ft	12.9 ft
20.0 ft	6.8 fc	14.2 ft	14.4 ft



INDOOR COEFFICIENTS OF UTILIZATION

pf pc pw	20%																0%	
	80%				70%				50%				30%				10%	0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	113	113	113	113	111	111	111	111	106	106	106	101	101	101	97	97	97	95
1	109	107	105	103	107	105	103	101	101	99	98	97	96	95	94	93	92	91
2	105	101	97	95	102	99	96	94	96	94	92	93	91	90	91	89	88	86
3	100	95	91	88	99	94	90	88	92	89	86	89	87	85	87	85	84	82
4	96	91	86	83	95	89	85	82	88	84	81	86	83	80	84	82	80	78
5	93	86	82	78	91	85	81	78	84	80	77	82	79	77	81	78	76	75
6	89	82	78	74	88	82	77	74	80	76	73	79	76	73	78	75	73	71
7	86	79	74	71	85	78	74	70	77	73	70	76	72	70	75	72	69	68
8	83	75	71	67	82	75	70	67	74	70	67	73	69	67	72	69	67	65
9	80	72	68	65	79	72	67	64	71	67	64	70	67	64	70	66	64	63
10	77	69	65	62	76	69	65	62	68	64	62	68	64	61	67	64	61	60

GROOVE TRACK LUMINAIRE OPTIONS:



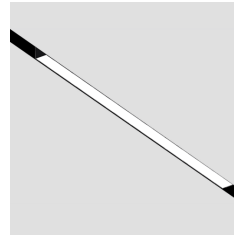
FG-L1R-C90
Seamless Linear Diffused



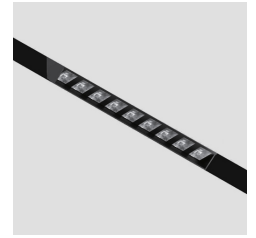
FG-L1R-CI
Seamless Linear Diffused



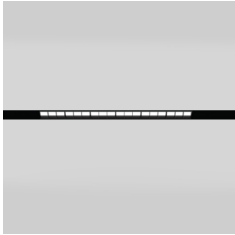
FG-L1R-CO
Seamless Linear Diffused



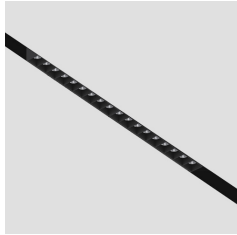
FG-L1R-8|16|32|48|64
Seamless Linear Diffused



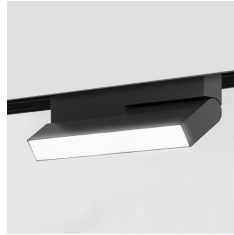
FG-L1-WW-3|8
Wall Wash



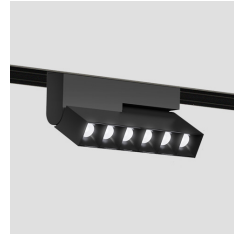
FG-L3R-16|32
Linear Louvered



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



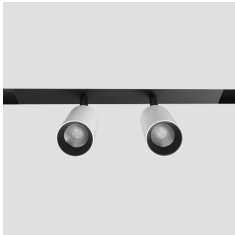
FG-L2A-3|5|8
Linear Diffused & Adjustable Light



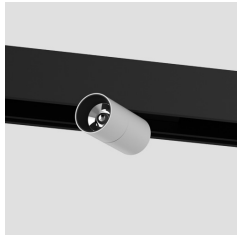
FG-L4A-3|5|8
Linear Adjustable Downlight, Task & Wall Grazer



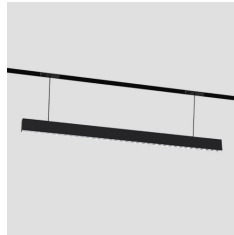
FG-T2-1|2|3|FG-T3-1|2|3
Cylinder



FG-T2-4
Cylinder



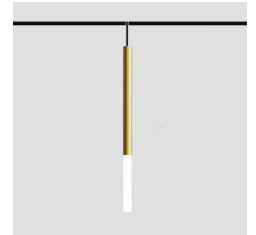
FG-T4-1|2|3
Beam Adjustable Cylinder



FG-L1P-32
Pendant Louvered



FG-P1-1|2
Pendant



FG-P3-1|2
Pendant



FG-P4-1|2|3
Pendant Globe



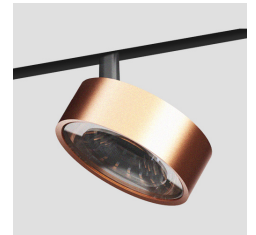
FG-P5-1
Globe



FG-T1-1
Recessed Track Light



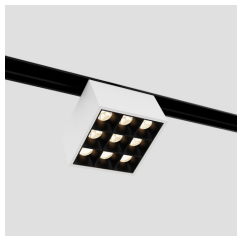
FG-T1-2
Recessed Track Light



FG-T5-1|2
Flat Round



FG-T6-1|2
Flat Square



FG-T7-1|13
Square Track Light



FG-T7-2
Rectangle Track Light

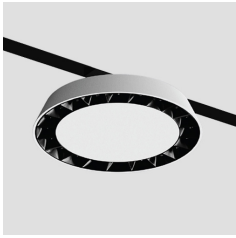


FG-T8-1
Track Globe

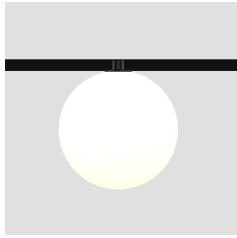


FG-T9-1
Track Globe

GROOVE TRACK LUMINAIRE OPTIONS:



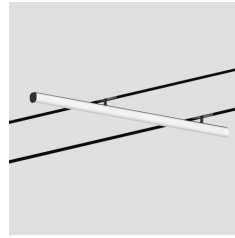
FG-T10-1
Track Downlight



FG-T11-1
Globe



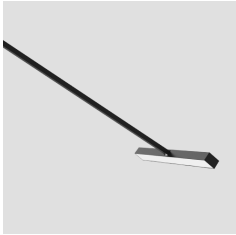
FG-L2S-32 | 48
Surface Light



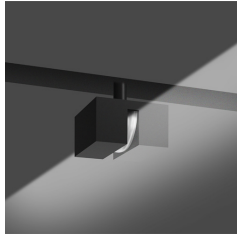
FG-L5S-32 | 48
Surface Light



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