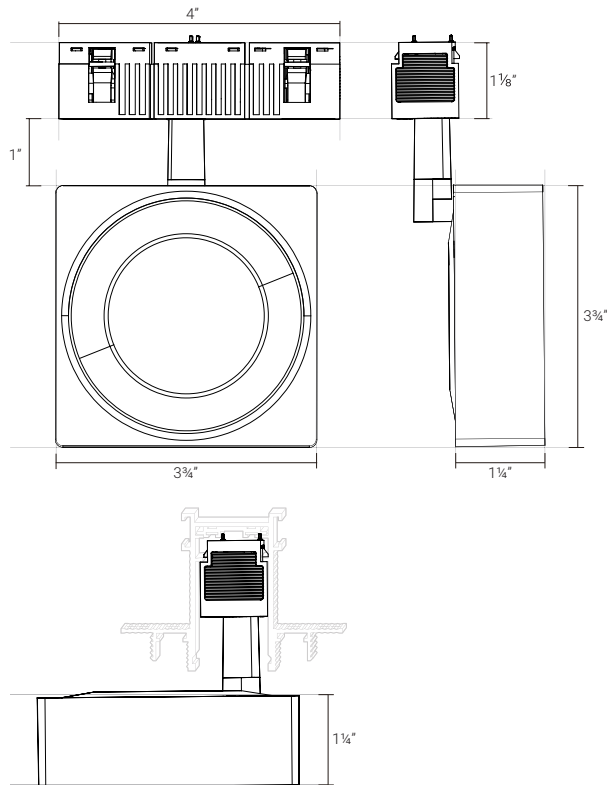


Rotate 355° Tilt 85°



GROOVE CURVE 'FLAT ROUND' SERIES

Slim, sleek, and fully adjustable, the FG-R-T6-1 Flat Square Track Heads feature nearly a full range of motion with 355° rotation and 85° tilt, ideal for task or accent lighting. Optional Narrow Spot, Spot, and Flood TIR optics provide precise beam control and reduce glare. Available with various CCT options. Suitable for individual installation or assorted combination with other Groove Curve track luminaires for convenient, dynamic illumination.

SERIES	Groove Curve - 'Flat Square' Series
SIZE	3 3/4"
OPERATING VOLTAGE	48V DC
OUTPUT VOLTAGE	120-277V AC
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	DIM10 - (0-10V Dimming), DIMTR, DALI 2, BLE
LIFETIME	L70 at 60,000 Hours
LISTING	5-year pro-rated warranty. ETL Listed. Title 24 Compliant. Assembled in America. Class 2, Title 24 JA8 listed
PHOTOMETRIC TESTS	In accordance with IES LM79-08, LM80 and TM-30, TM-21

SERIES	LUMENS	WATTAGE
FG-R-T6-1	1200lm	16W

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

FEATURES OF GROOVE FAMILY

The Groove Curve 48V Track System offers seamless curved track solutions for modern lighting design.

FLEXIBLE AND CREATIVE: Groove Curve connects curved and straight tracks at various angles and diameters to create complete circular shapes and custom curved layouts.

VERSATILE AND PRECISE: Groove Curve tracks support a wide range of interchangeable luminaires with flexible adapters to allow easy repositioning and replacement.

Available in Trimless Recessed, Ceiling Mount, and Suspended Mount options. Fixtures can be mounted individually or in continuous runs for curved paths of smooth, uninterrupted illumination.

THE ORIGINAL GROOVE 48V DC TRACK SYSTEM

The Groove 48V DC track system combines sleek, minimal profiles with the convenience and versatility of easily interchangeable click-in track heads.

Designed for easy customization, Groove is available with a suite of in-line linear, adjustable linear, spot, pendant, cylinder, and suspended track heads which can be seamlessly clicked-in or removed to meet the needs of any project, current or future. Track head accessories include a variety of field-changeable optics, including TIR and diffuser options, and even spot, flood, snoot, and wall-wash accessories.

As a result, Groove can be used for accent, task, and general illumination in galleries and museums or hospitality, retail, corporate, and residential spaces.

- Single drivers can power runs up to 65' long at 480 watts
- Discreet integrated or remote driver options keep track lines clean
- Connector accessories like T, X, and L corners can be used to tailor designs into custom rectangular, square, or linear patterns, or even build wall to ceiling or wrap configurations
- Multiple lumen packages and distribution options available
- Available in Trimless Recessed, Recessed Flanged, Ceiling/ Surface, and Suspended options
- Suspended and surface mounting options can be used for wood, drywall or T-Bar ceilings

For more details refer to individual track head spec sheets.

CONSTRUCTION

All Groove track heads are engineered for long lifespans and reduced maintenance through the use of coolLED's Advanced Thermodynamic Design, which includes an extruded aluminum body, a hidden die-cast heat sink, and thermal management system.

LED MODULE PERFORMANCE

The Groove Blade 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 Blade 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' 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.

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.

DIMMING INFORMATION

DIM10 - 0-10V dimming on either MVOLT 120, 277. Dimmable down to 1% of initial lumens, standard. Available in 75W, 100W, 150W, and 240W.
 DIMTR - Electronic low voltage dimming. Available in 120V.
 DALI - DALI DT6 dimming down to 1% Available in 75W, 100W, 150W, and 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.

WARRANTY

5-year warranty for parts and components (labor not included).

EXAMPLE:					
SERIES	OPTICS	CCT	CRI	FINISH	OPTION
FG-R-T6-1	☐ NS=14° ☐ SP=24° ☐ FL=42°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH (White) ☐ BK (Black)	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

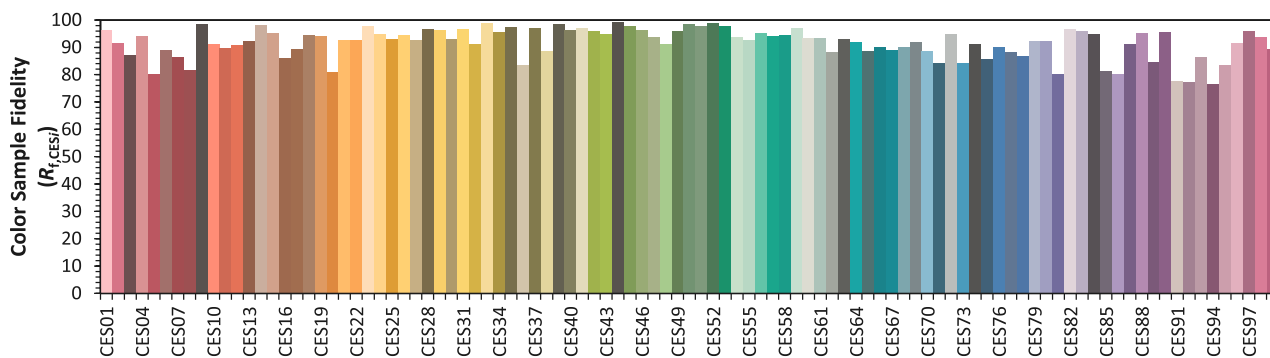
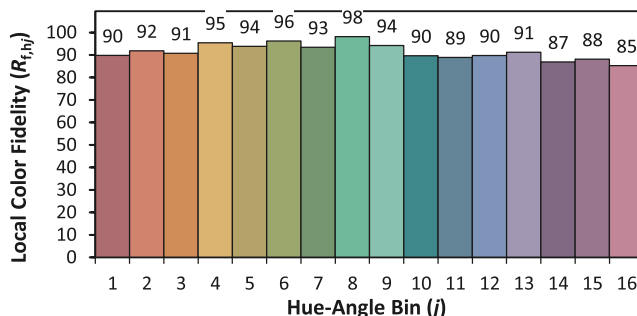
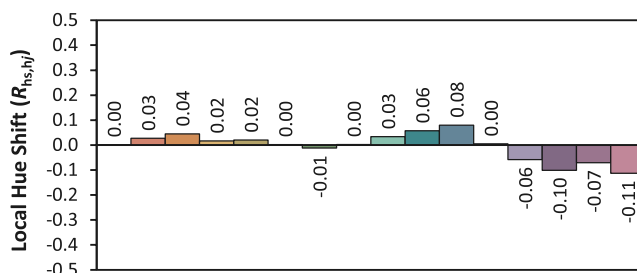
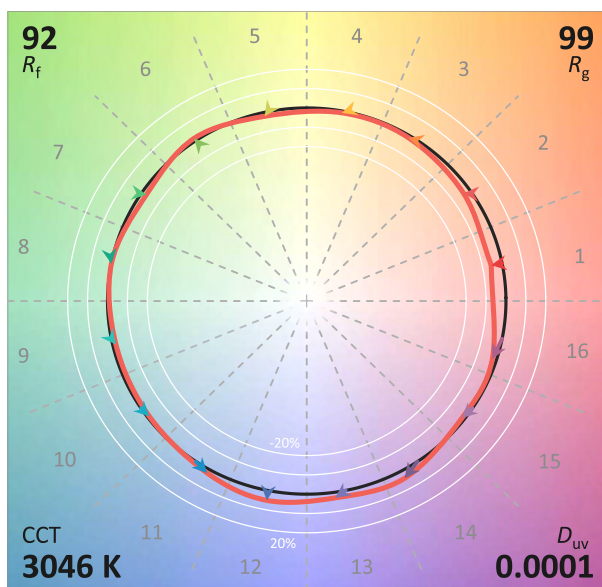
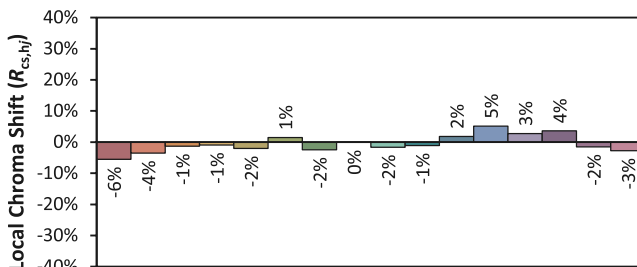
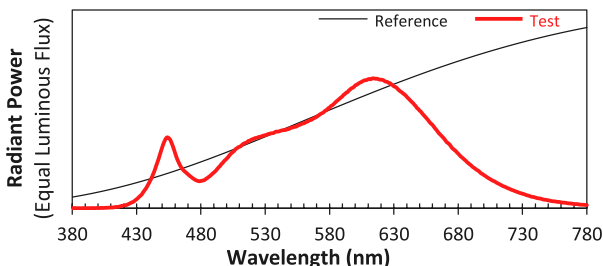
ANSI/IES TM-30-18 Color Rendition Report

Source: LED-PCB

Manufacturer:

Date: 2024/12/3

Model: CRI:90 CCT:3000K



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4339

y 0.4033

u' 0.2489

v' 0.5206

CIE 13.3-1995
(CRI)

R_a 93

R_9 52

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.

GROOVE CURVE LUMINAIRE OPTIONS



FG-R-L4R-8
Linear Downlight



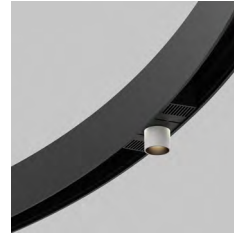
FG-LS-3
Linear Silicone 3ft



FG-LS-6
Linear Silicone 6ft



FG-LS-9
Linear Silicone 9ft



FG-R-T1-1
Recessed Track Light



FG-R-T2-2
Cylinder



FG-R-T3-1
Cylinder



FG-R-T3-2
Cylinder



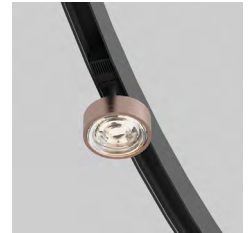
FG-R-T4-1
Beam Adjustable Cylinder



FG-R-T4-2
Beam Adjustable Cylinder



FG-R-T5-1
Flat Round



FG-R-T5-2
Flat Round



FG-R-T6-1
Flat Square



FG-R-T7-1
Square Track Light



FG-R-T7-2
Rectangle Track Light



FG-R-T8-1
Track Globe



FG-R-T9-1
Track Globe



FG-R-T10-1
Track Downlight



FG-R-T11-1
Globe



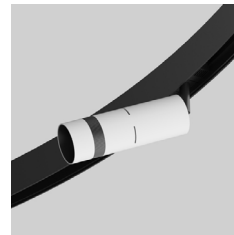
FG-R-WL-1
Wall Light



FG-R-LL-1
Line Light



FG-R-TPJ-1
Form Projector



FG-R-TPJ-2
Gobo Projector



FG-R-P1-1/2
Pendant



FG-R-P3-1/2
Pendant



FG-R-P4-1
Pendant Globe



FG-R-P4-2
Pendant Globe



FG-R-P4-3
Pendant Globe



FG-R-P5-1
Globe



FG-R-P9-1
Pendant Flat Round

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

TEST NO.: 220062

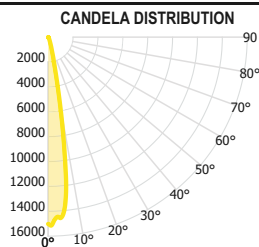
INPUT WATTS: 16.0

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

pc	80%				70%				50%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	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	97	97	97	95
1	110	108	107	105	108	106	105	103	102	101	100	99	98	97	96	95	95	95	95	95	93
2	107	104	101	99	105	102	100	98	99	98	96	97	95	94	94	93	93	92	92	91	91
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FG-R-T6-1-SP-40K-90

TEST NO.: 220062

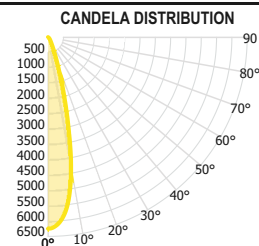
INPUT WATTS: 15.9

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

pc	80%				70%				50%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	113	113	113	113	110	110	110	110	105	105	105	101	101	101	97	97	97	97	97	97	95
1	109	107	105	104	107	105	103	102	101	100	99	98	97	96	95	94	93	92	92	91	91
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10	84	78	74	72	83	78	74	72	77	74	71	76	73	71	76	73	71	70	70	70	70

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

TEST NO.: **220062**

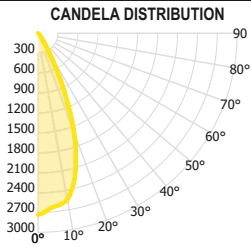
INPUT WATTS: **16.0**

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
45.00°	116911	101871
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	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	20%																0%	
pc	80%				70%				50%				30%				10%	0%
pw	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
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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