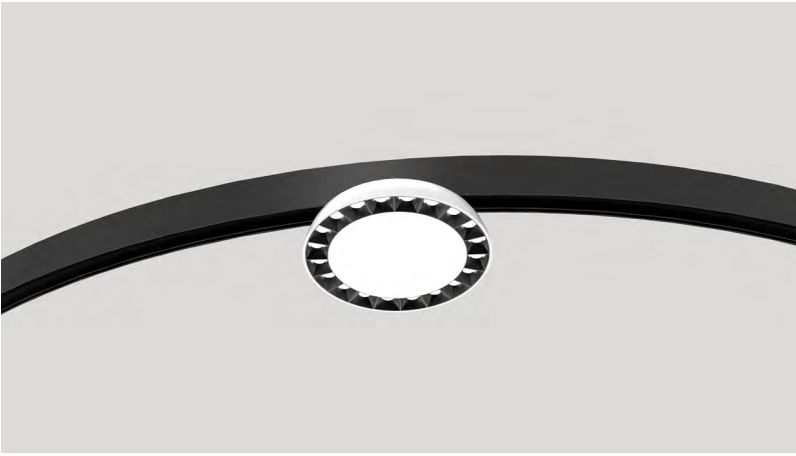
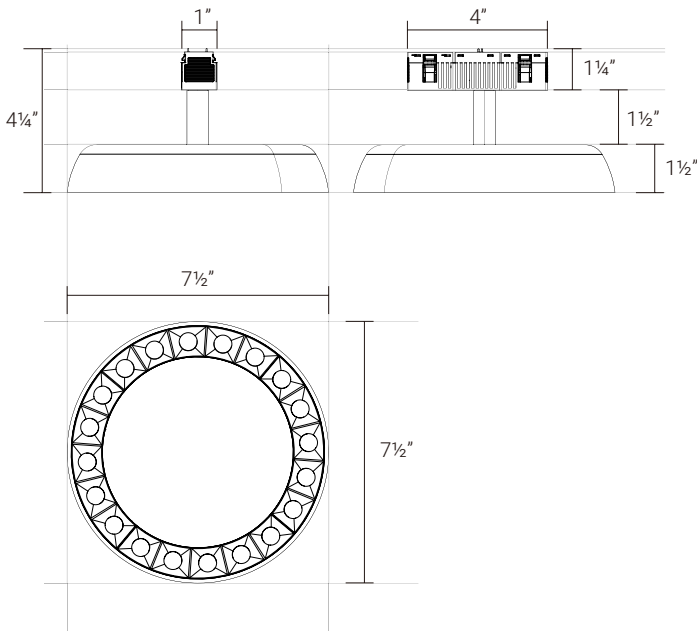




Rotate 355°



GROOVE CURVE 'TRACK DOWNLIGHT' SERIES

Decorative and practical, the FG-R-T10-1 Track Downlight features a round design with regressed point sources for a low-glare, focused illumination. Optional Spot and Narrow Flood TIR optics provide precise beam control and reduced 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 - 'Track Downlight' Series
SIZE	Diameter: 7-1/2"
OPERATING VOLTAGE	48V DC
OUTPUT VOLTAGE	120-277V AC
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	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-T10-1	1550lm	20W

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-T10-1	☐ SP=20° ☐ NFL=34°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH-BK (White+Black) ☐ BK-BK (Black)	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

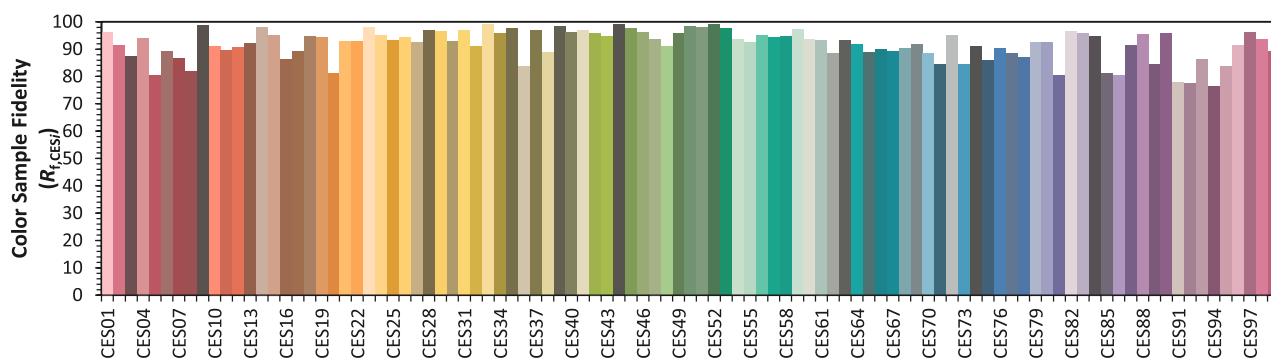
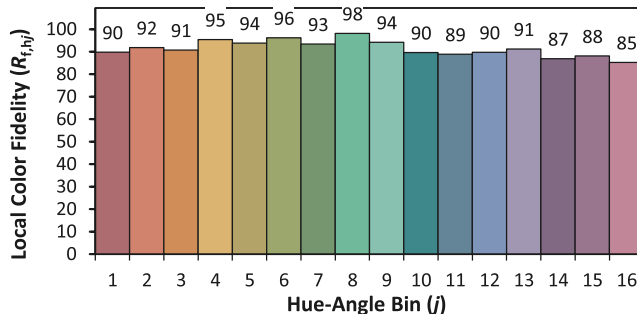
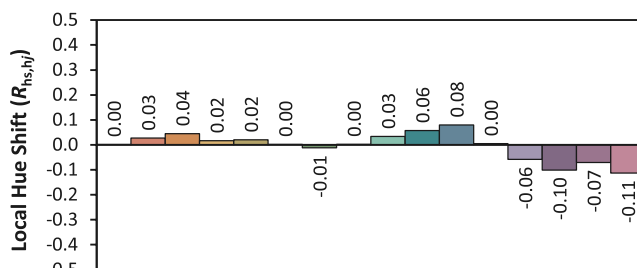
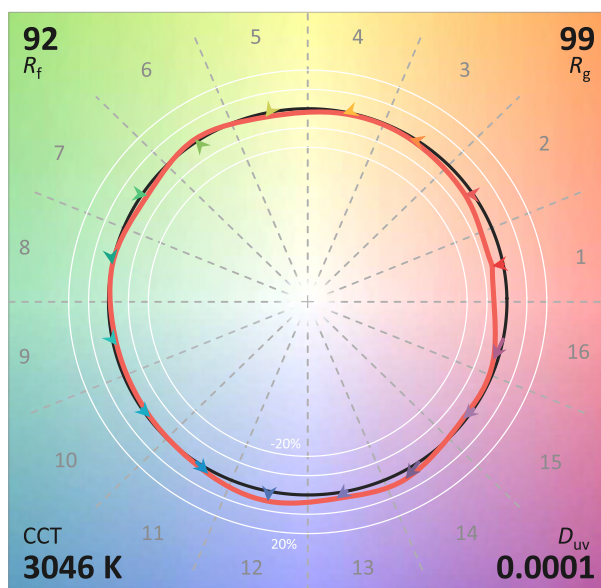
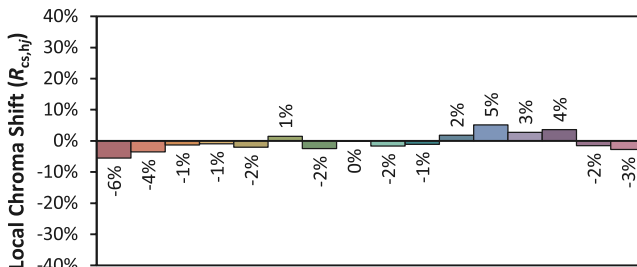
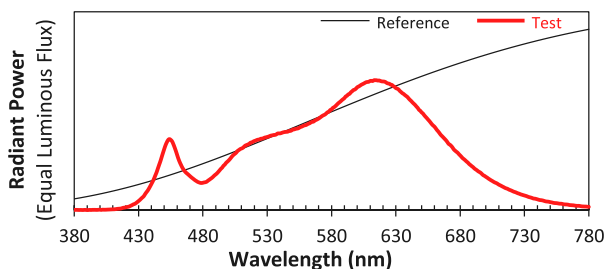
ANSI/IES TM-30-18 Color Rendition Report

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

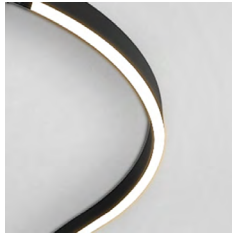
R_g 52

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



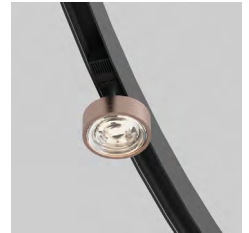
FG-R-T4-1
Beam Adjustable Cylinder



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



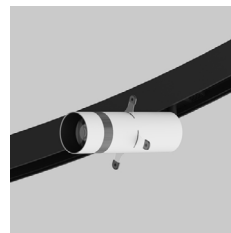
FG-R-T11-1
Globe



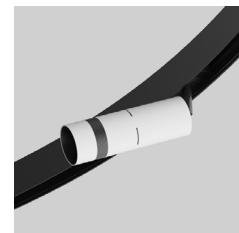
FG-R-WL-1
Wall Light



FG-R-LL-1
Line Light



FG-R-TRJ-1
Form Projector



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

TEST NO.: 220062

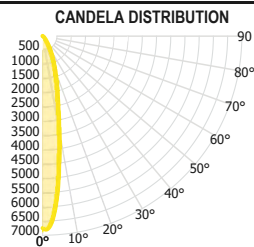
INPUTW ATTS: 18.8

LUMENS: 1535

EFFICACY: 82

BEAM ANGLE: 20

SPACING CRITERIA: 0.33



CANDELA TABLE

	0°	90°
0°	6747	6747
10°	3385	3160
20°	1299	1234
30°	499	478
40°	160	155
50°	00	
60°	00	
70°	00	
80°	00	
90°	00	

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	2561399	2561399
45.00°	48959	47504
55.00°	00	
65.00°	00	
75.00°	00	
85.00°	00	

LUMENS PER ZONE

ZONEL	UMENS
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

ZONAL LUMEN SUMMARY

ZONEU	MENS	% 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

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%			
01	15	1151	15	1151	12	1121	12	112	107	107	107	103	103	103	99	99	99	97			
1	111	108	106	104	108	106	104	103	102	101	100	99	98	97	96	95	94	92			
2	106	102	99	96	104	101	98	95	98	95	93	95	93	91	92	91	89	88			
3	102	97	93	90	100	96	92	89	93	90	88	91	89	86	88	87	85	84			
49	89	28	88	59	79	18	78	48	98	68	38	78	58	28	68	38	18	0			
59	58	88	38	09	38	78	38	08	68	27	98	48	17	88	38	07	87	6			
69	18	47	97	69	08	37	97	68	27	87	58	17	77	58	07	77	47	3			
78	88	17	67	38	78	07	67	27	97	57	27	87	47	27	77	47	17	0			
88	57	77	36	98	47	77	26	97	67	26	97	57	16	97	47	16	96	7			
98	27	47	06	78	17	47	06	77	36	96	67	26	96	67	26	86	66	5			
10	79	72	67	64	78	71	67	64	71	67	64	70	66	64	69	66	64	63			

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

TEST NO.: 220062

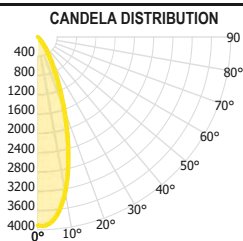
INPUTW ATTS: 18.8

LUMENS: 1574

EFFICACY: 84

BEAM ANGLE: 34

SPACING CRITERIA: 0.58



CANDELA TABLE

	0°	90°
0°	3906	3906
10°	3282	3242
20°	1628	1579
30°	569	546
40°	188	182
50°	00	
60°	00	
70°	00	
80°	00	
90°	00	

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	1482687	1482687
45.00°	53238	51944
55.00°	00	
65.00°	00	
75.00°	00	
85.00°	00	

LUMENS PER ZONE

ZONEL	UMENS
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

ZONAL LUMEN SUMMARY

ZONEU	MENS	% 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

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%
01	15	1151	15	1151	13	1131	13	113	108	108	108	103	103	103	99	99	99	97
1	111	108	106	104	108	106	105	103	103	101	100	99	98	97	96	95	94	92
2	106	102	99	96	104	101	98	95	98	95	93	95	93	91	92	90	89	88
3	102	97	93	89	100	95	92	89	93	90	87	91	88	86	88	86	84	83
49	89	28	78	49	69	18	68	38	98	58	28	78	48	18	58	28	07	9
59	48	78	27	99	28	68	27	88	58	17	88	38	07	78	27	97	67	5
69	08	37	87	48	98	27	87	48	17	77	48	07	67	37	87	57	37	2
78	77	97	47	18	67	97	47	17	77	37	07	67	37	07	57	26	96	8
88	37	67	16	78	27	57	06	77	47	06	77	36	96	77	26	96	66	5
98	07	26	86	47	97	26	76	47	16	76	47	06	76	47	06	66	46	3
10	78	70	65	62	77	69	65	62	68	64	61	68	64	61	67	64	61	60