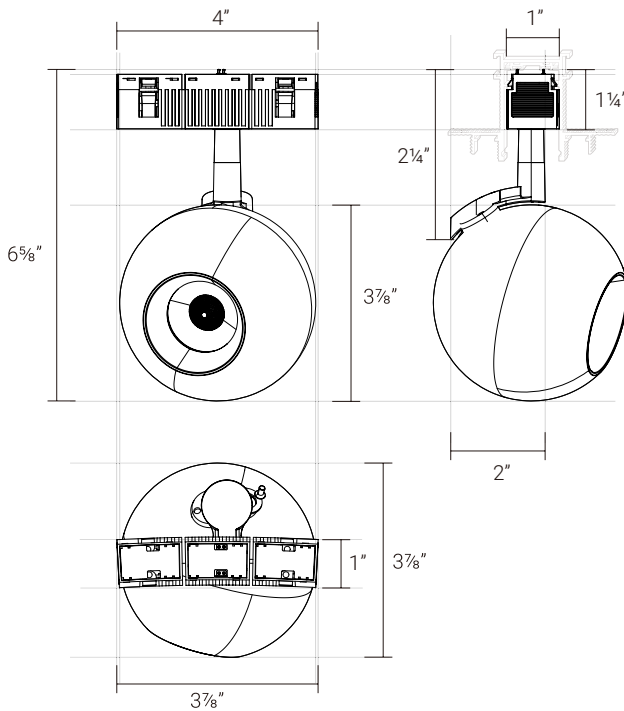


Rotate 355° Tilt 110°



SERIES	LUMENS	WATTAGE
FG-R-T8-1	1200lm	15W

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

GROOVE CURVE 'TRACK GLOBE' SERIES

The FG-R-T8-1 Track Globe makes a uniquely elegant statement suited to modern and contemporary design. It features a near full range of motion with 355° rotation and 110° tilt, ideal for task or accent lighting. Optional Spot, Narrow Flood, and 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 Globe' Series
SIZE	3 7/8"
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 32°, Flood45°
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

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-T8-1	☐ SP=20° ☐ NFL=32° ☐ FL=45°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH-BK (White+Black) ☐ BK-BK (Black)	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

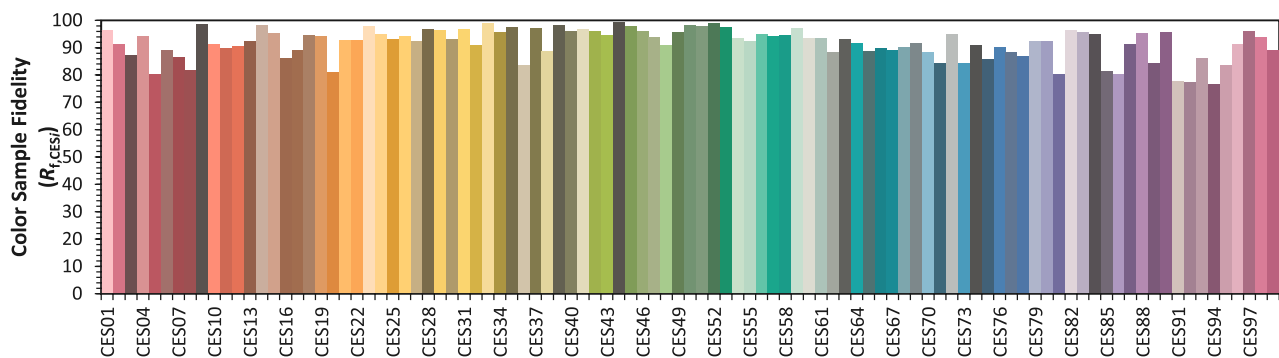
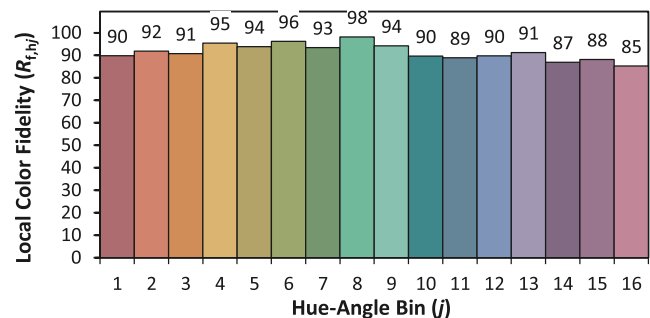
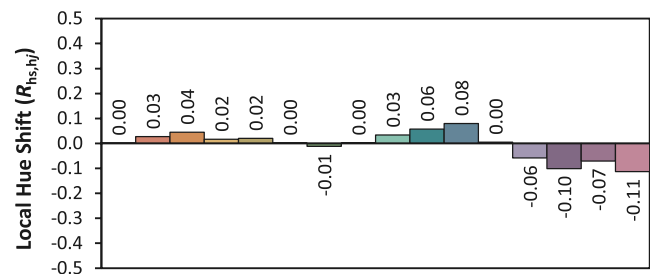
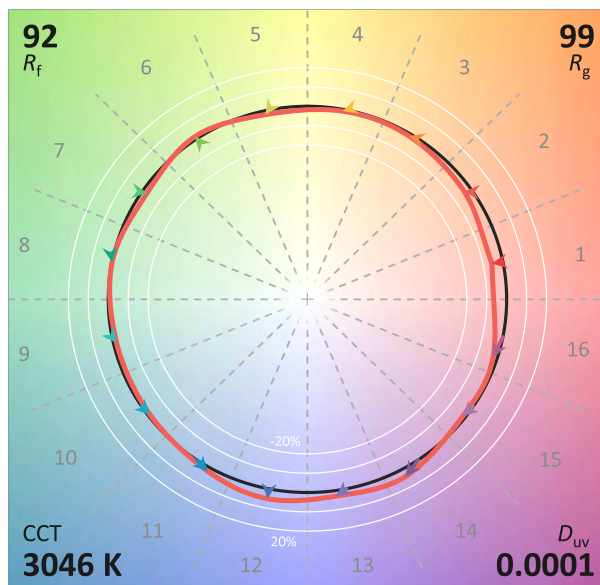
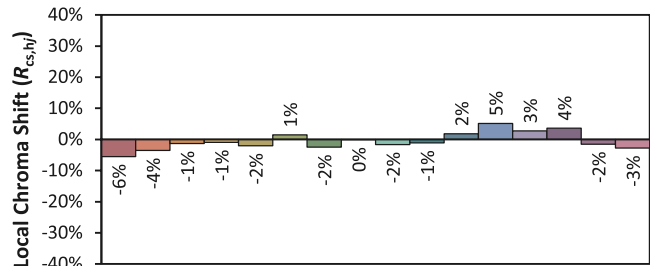
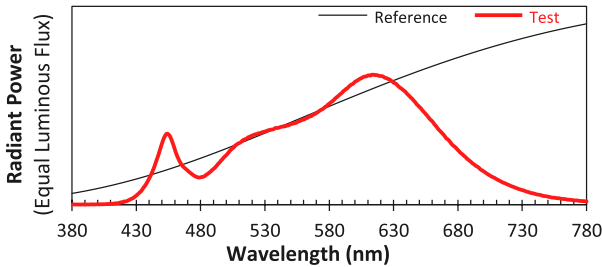
ANSI/IES TM-30-18 Color Rendition Report

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



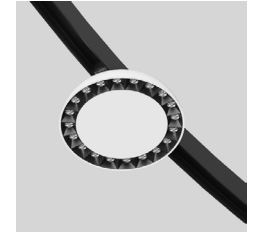
FG-R-T7-2
Rectangle Track Light



FG-R-T8-1
Track Globe



FG-R-T9-1
Track Globe



FG-R-T10-1
Track Downlight



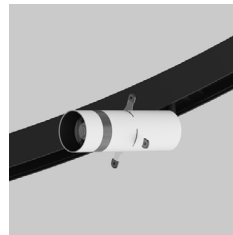
FG-R-T11-1
Globe



FG-R-WL-1
Wall Light



FG-R-LL-1
Line Light



FG-R-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-T8-1-SP-40K-90

TEST NO.: **220062**

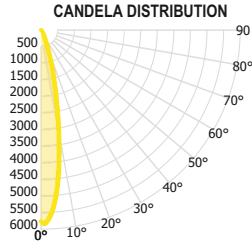
INPUT WATTS: **15.3**

LUMENS: **1145**

EFFICACY: **75**

BEAM ANGLE: **20**

SPACING CRITERIA: **0.36**



CANDELA TABLE

	0°	90°
0°	5770	5770
10°	3148	3849
20°	723	981
30°	192	245
40°	74	90
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°	87869074	87869074
45.00°	952941	1218903
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	416
10° - 20°	446
20° - 30°	175
30° - 40°	75
40° - 50°	34
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	862	75%
0° - 30°	1036	90%
0° - 40°	1111	97%
0° - 60°	1145	100%
0° - 80°	1145	100%
0° - 90°	1145	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	160.3 fc	2.2 ft	2.2 ft
8.0 ft	90.2 fc	3.0 ft	2.9 ft
10.0 ft	57.7 fc	3.7 ft	3.6 ft
12.0 ft	40.1 fc	4.4 ft	4.4 ft
14.0 ft	29.4 fc	5.2 ft	5.1 ft
16.0 ft	22.5 fc	5.9 ft	5.8 ft
18.0 ft	17.8 fc	6.7 ft	6.6 ft
20.0 ft	14.4 fc	7.4 ft	7.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																0%			
	80%				70%				50%				30%				10%			
pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0	84	84	84	84	82	82	82	82	79	79	79	75	75	75	72	72	72	71		
1	81	80	79	77	80	78	77	76	76	75	74	73	72	72	71	70	70	68		
2	79	76	74	72	77	75	73	71	73	71	70	71	69	68	69	68	67	66		
3	76	73	70	68	75	72	69	67	70	68	66	68	67	65	67	65	64	63		
4	74	70	67	65	72	69	66	64	67	65	63	66	64	63	65	63	62	61		
5	71	67	64	62	70	66	64	61	65	63	61	64	62	60	63	61	60	59		
6	69	65	61	59	68	64	61	59	63	61	59	62	60	58	61	59	58	57		
7	67	62	59	57	66	62	59	57	61	59	57	60	58	56	60	58	56	55		
8	65	60	57	55	64	60	57	55	59	57	55	59	56	55	58	56	54	54		
9	63	58	55	53	63	58	55	53	58	55	53	57	55	53	57	54	53	52		
10	62	57	54	52	61	57	54	52	56	53	52	56	53	52	55	53	51	51		

FG-R-T8-1-NFL-40K-90

TEST NO.: **220062**

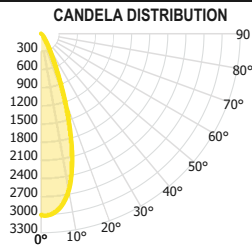
INPUT WATTS: **15.4**

LUMENS: **1193**

EFFICACY: **77**

BEAM ANGLE: **32**

SPACING CRITERIA: **0.59**



CANDELA TABLE

	0°	90°
0°	3003	3003
10°	2643	2695
20°	1138	1405
30°	274	367
40°	85	110
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°	45735226	45735226
45.00°	1067509	1413367
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	267
10° - 20°	515
20° - 30°	274
30° - 40°	98
40° - 50°	39
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	781	66%
0° - 30°	1055	88%
0° - 40°	1154	97%
0° - 60°	1193	100%
0° - 80°	1193	100%
0° - 90°	1193	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	83.4 fc	3.8 ft	3.8 ft
8.0 ft	46.9 fc	5.1 ft	5.1 ft
10.0 ft	30.0 fc	6.4 ft	6.3 ft
12.0 ft	20.9 fc	7.7 ft	7.6 ft
14.0 ft	15.3 fc	9.0 ft	8.8 ft
16.0 ft	11.7 fc	10.3 ft	10.1 ft
18.0 ft	9.3 fc	11.5 ft	11.4 ft
20.0 ft	7.5 fc	12.8 ft	12.6 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	116	116	116	116	113	113	113	113	108	108	108	104	104	104	100	100	100	98	
1	112	109	107	105	109	107	105	104	103	102	101	100	99	98	96	96	95	93	
2	107	103	100	97	105	102	99	96	99	96	94	96	94	92	93	92	90	89	
3	103	98	94	91	101	97	93	90	94	91	89	92	90	87	90	88	86	85	
4	99	93	89	86	98	92	88	85	90	87	84	88	85	83	87	84	82	81	
5	96	89	84	81	94	88	84	81	86	83	80	85	82	79	84	81	79	77	
6	92	85	80	77	91	84	80	77	83	79	76	82	78	76	81	78	75	74	
7	89	81	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71	
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	
9	83	75	70	67	82	75	70	67	74	70	67	73	69	67	72	69	67	66	
10	80	72	68	65	79	72	68	65	71	67	64	71	67	64	70	67	64	63	

FG-R-T8-1-FL-40K-90

TEST NO.: **220062**

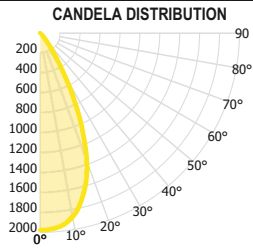
INPUT WATTS: **15.5**

LUMENS: **1241**

EFFICACY: **80**

BEAM ANGLE: **45**

SPACING CRITERIA: **0.79**



CANDELA TABLE

	0°	90°
0°	1977	1977
10°	1876	1978
20°	1374	1601
30°	517	767
40°	102	167
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°	30108440	30108440
45.00°	1041451	1641642
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	184
10° - 20°	452
20° - 30°	405
30° - 40°	160
40° - 50°	41
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	636	51%
0° - 30°	1041	84%
0° - 40°	1200	97%
0° - 60°	1241	100%
0° - 80°	1241	100%
0° - 90°	1241	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	54.9 fc	5.3 ft	5.4 ft
8.0 ft	30.9 fc	7.0 ft	7.1 ft
10.0 ft	19.8 fc	8.8 ft	8.9 ft
12.0 ft	13.7 fc	10.6 ft	10.7 ft
14.0 ft	10.1 fc	12.3 ft	12.5 ft
16.0 ft	7.7 fc	14.1 ft	14.3 ft
18.0 ft	6.1 fc	15.8 ft	16.1 ft
20.0 ft	4.9 fc	17.6 ft	17.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	20%																		0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	0%
0	117	117	117	117	114	114	114	114	109	109	109	104	104	104	100	100	100	98	0%
1	112	109	107	105	109	107	105	103	103	102	100	100	98	97	96	95	94	93	0%
2	107	103	99	96	105	101	98	95	98	95	93	95	93	91	92	91	89	88	0%
3	102	97	92	89	100	95	91	88	93	89	87	90	88	85	88	86	84	83	0%
4	98	91	86	83	96	90	86	82	88	84	81	86	83	80	84	82	79	78	0%
5	94	86	81	77	92	85	81	77	84	80	76	82	79	76	81	78	75	74	0%
6	90	82	77	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70	0%
7	86	78	72	69	85	77	72	69	76	71	68	75	71	68	74	70	67	66	0%
8	82	74	69	65	81	73	68	65	72	68	65	71	67	64	70	67	64	63	0%
9	79	70	65	62	78	70	65	62	69	65	61	68	64	61	67	64	61	60	0%
10	76	67	62	59	75	67	62	59	66	62	58	65	61	58	65	61	58	57	0%