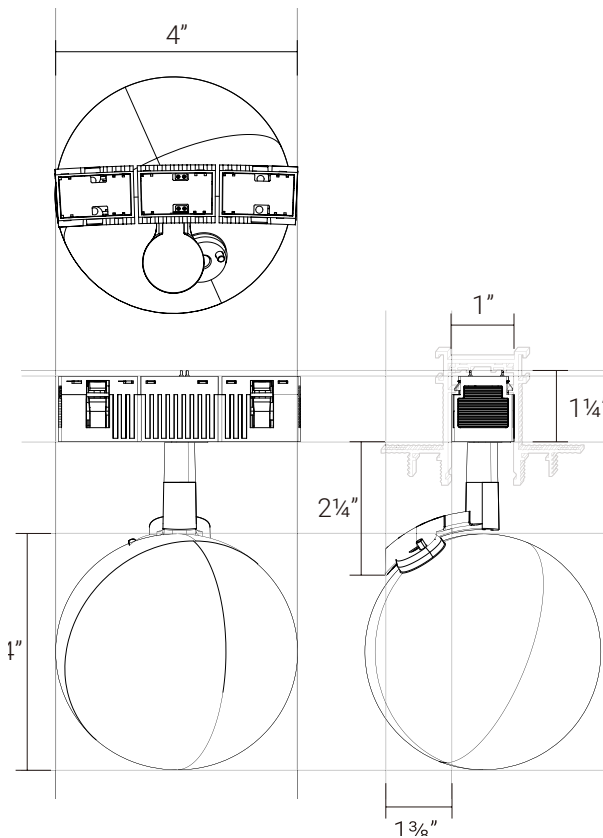


Rotate 355° Tilt 110°



SERIES	LUMENS	WATTAGE
FG-R-T9-1	900lm	16W

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

GROOVE CURVE 'TRACK GLOBE' SERIES

The FG-R-T9-1 Track Globe Luminaire 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 lighting walls, objects, and spaces with a precise, directional, soft glow. 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	4"
OPERATING VOLTAGE	48V DC
OUTPUT VOLTAGE	120-277V AC
CCT	2700K, 3000K, 3500K, 4000K, 5000K
CRI	90+
COLOR QUALITY	2-Step MacAdam Ellipse
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	CCT	CRI	FINISH	OPTION
FG-R-T9-1	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH-BK (White+Black) ☐ BK-BK (Black)	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

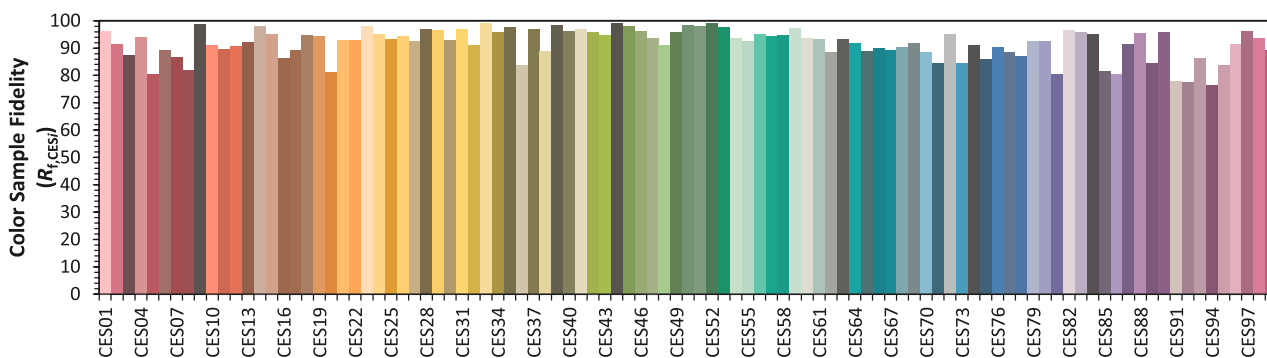
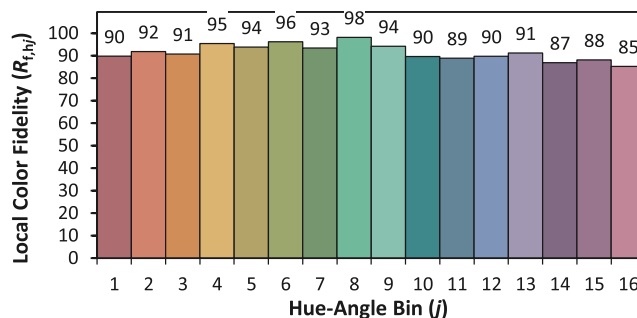
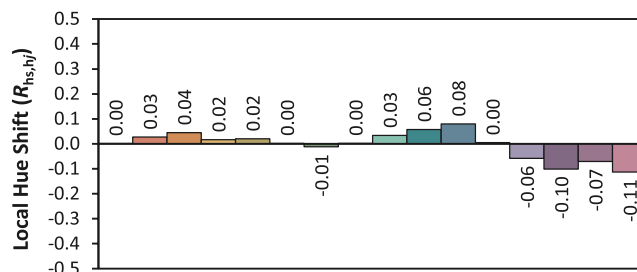
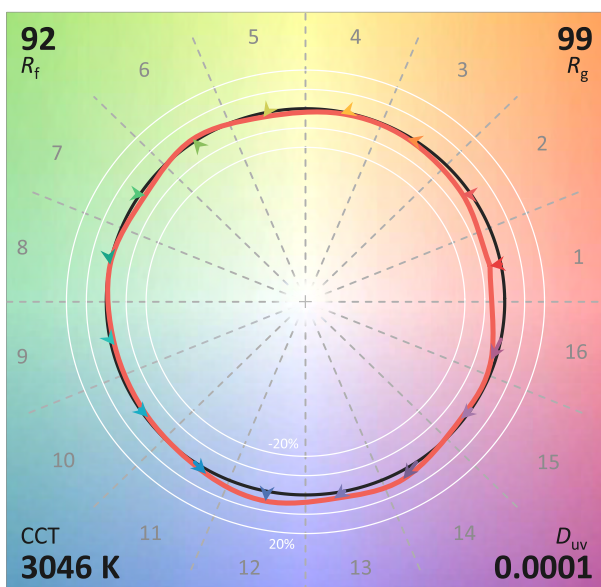
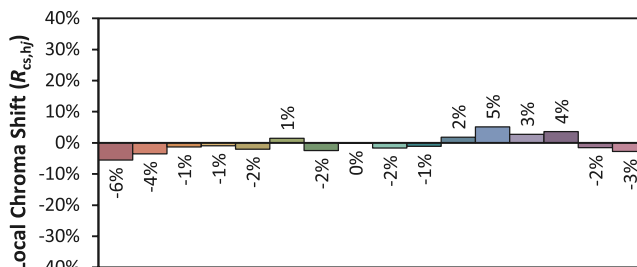
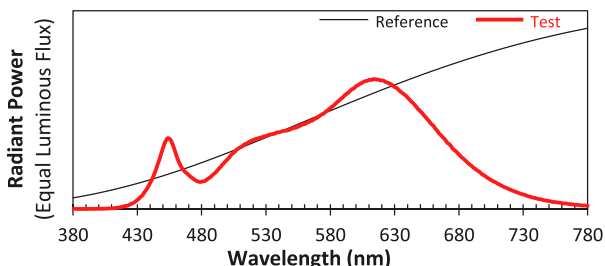
ANSI/IES TM-30-18 Color Rendition Report

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



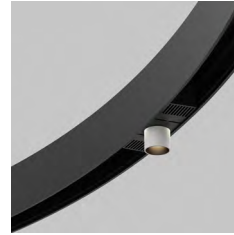
FG-LS-3
Linear Silicone 3ft



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



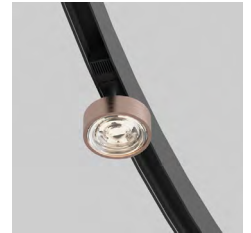
FG-R-T4-1
Beam Adjustable Cylinder



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



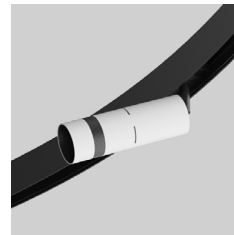
FG-R-WL-1
Wall Light



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-T9-1-40K-90

TEST NO.: 220062

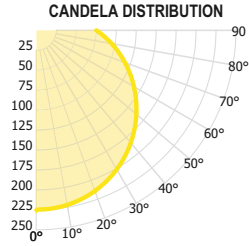
INPUT WATTS: 15.9

LUMENS: 905

EFFICACY: 57

BEAM ANGLE: 144

SPACING CRITERIA: 1.32



CANDELA TABLE

	0°	90°
0°	225	225
10°	222	226
20°	214	220
30°	201	209
40°	184	193
50°	164	173
60°	141	152
70°	118	128
80°	96	105
90°	75	83

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	3426563	3426563
45.00°	3747372	3952174
55.00°	4047909	4320832
65.00°	4670479	5045573
75.00°	6284248	6869076
85.00°	14872133	16460334

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	21
10° - 20°	62
20° - 30°	96
30° - 40°	121
40° - 50°	134
50° - 60°	136
60° - 70°	128
70° - 80°	113
80° - 90°	93

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	83	9%
0° - 30°	179	20%
0° - 40°	300	33%
0° - 60°	571	63%
0° - 80°	813	90%
0° - 90°	905	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	6.3 fc	36.7 ft	40.2 ft
8.0 ft	3.5 fc	48.9 ft	53.6 ft
10.0 ft	2.3 fc	61.1 ft	67.0 ft
12.0 ft	1.6 fc	73.4 ft	80.4 ft
14.0 ft	1.1 fc	85.6 ft	93.8 ft
16.0 ft	0.9 fc	97.8 ft	107.2 ft
18.0 ft	0.7 fc	110.1 ft	120.6 ft
20.0 ft	0.6 fc	122.3 ft	134.0 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	104	98	92	86	101	95	90	85	91	86	82	87	83	79	83	80	77	75
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	66	61	59
3	84	71	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48
4	76	63	52	45	74	61	52	44	58	50	44	56	49	43	54	47	42	40
5	70	55	45	38	68	54	45	38	52	44	37	50	42	37	48	41	36	34
6	64	50	40	33	62	49	39	32	47	38	32	45	37	32	43	37	31	29
7	60	45	35	28	58	44	35	28	42	34	28	41	33	28	39	33	28	25
8	55	41	32	25	54	40	31	25	39	31	25	37	30	25	36	29	25	22
9	52	37	29	23	50	37	28	22	36	28	22	34	27	22	33	27	22	20
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