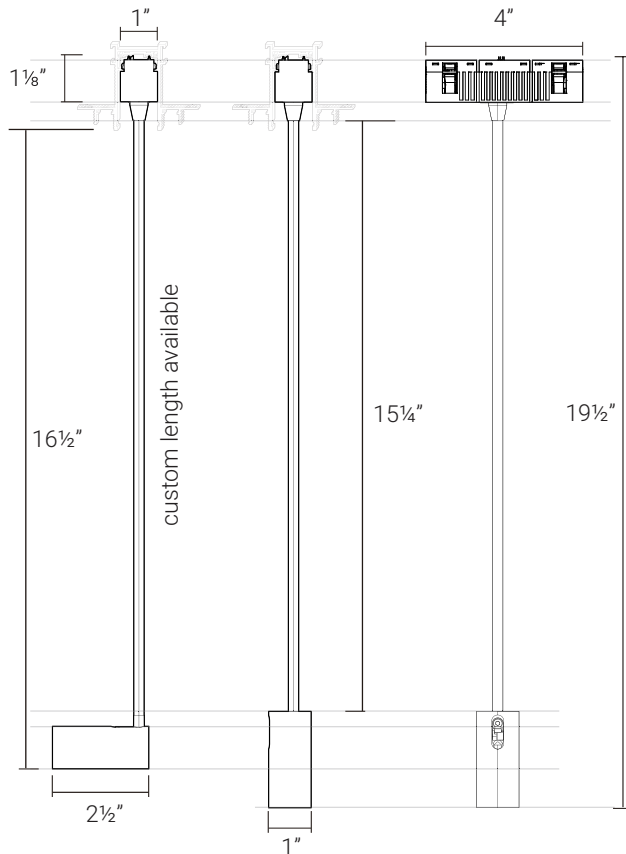




Tilt 90°



SERIES	LUMENS	WATTAGE
FG-R-WL-1	320lm	9W

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

GROOVE CURVE 'RECESSED TRACK LIGHT' SERIES

The FG-R-WL-1 Wall Light delivers an adaptable, concentrated illumination ideal for highlighting artwork and displays in a plethora of applications including galleries, museums, corporate offices, and hospitality, retail, and residential spaces. Available with optional Narrow Spot, Spot, Narrow Flood, and Flood TIR optics for optimal glare-control and light concentration. Features an adjustable stem with 90° tilt for in-field customization. Stem available in custom lengths – consult factory for custom stem lengths.

SERIES	Groove Curve - 'Wall Light' Series
SIZE	Cylinder = Length 2½", Diameter 1"
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°, Narrow Flood 32°, Flood 41°
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

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 watt-ages 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-WL-1	☐ NS=14° ☐ NFL=32° ☐ FL=41°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH (White) ☐ BK (Black)	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

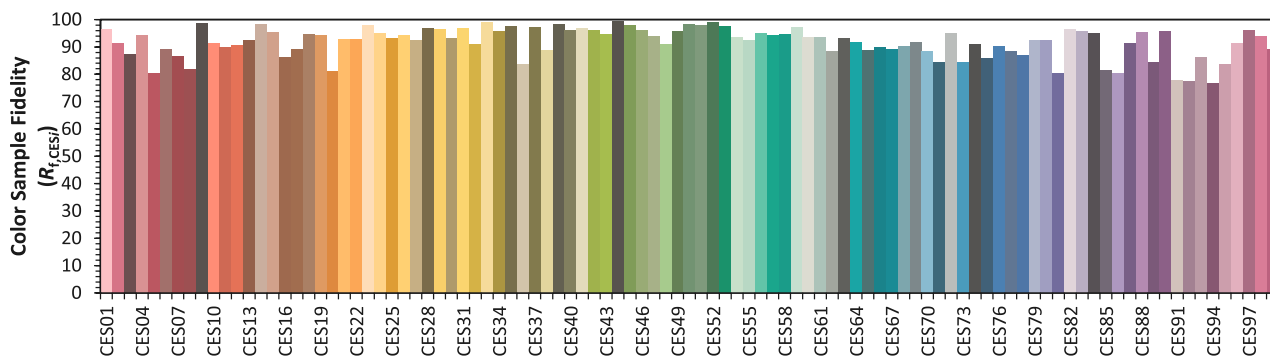
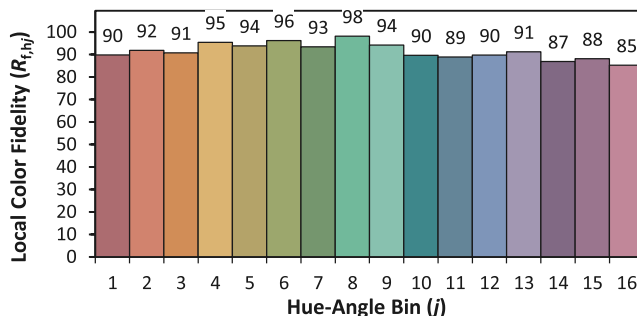
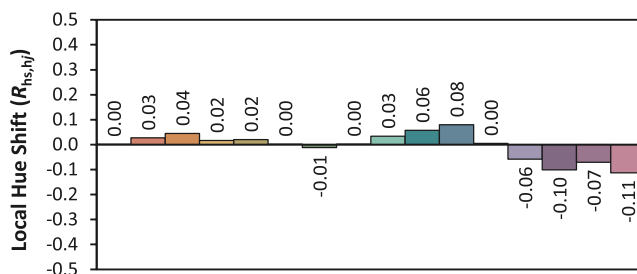
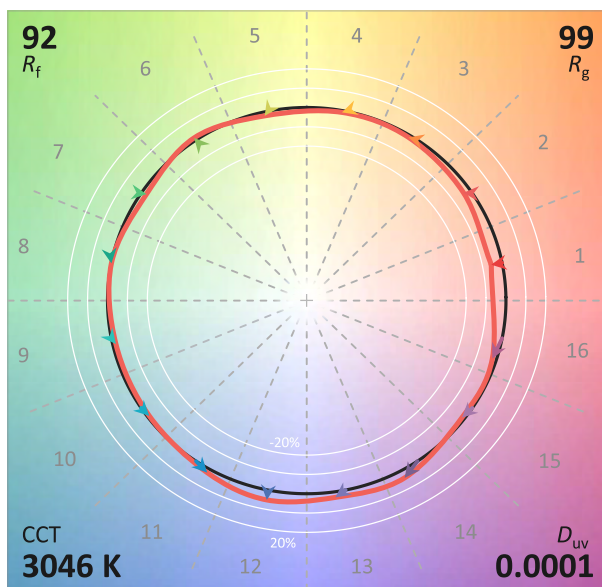
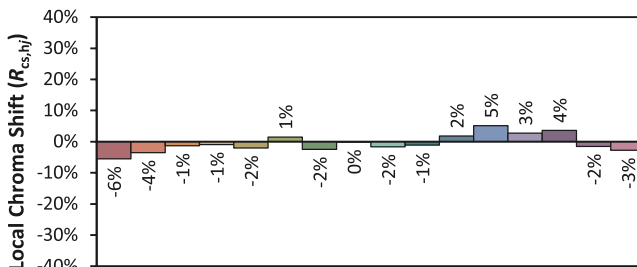
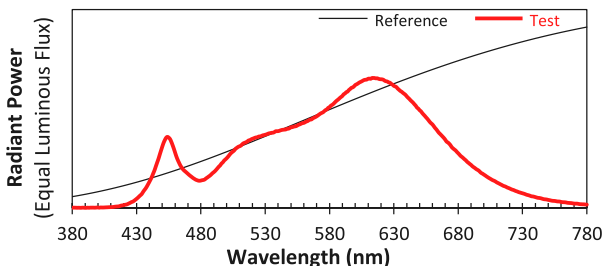
ANSI/IES TM-30-18 Color Rendition Report

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

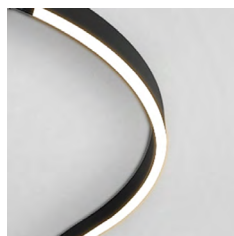
R_g 52

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



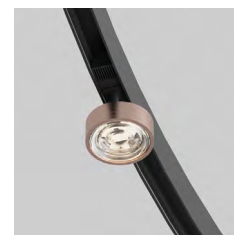
FG-R-T4-1
Beam Adjustable Cylinder



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



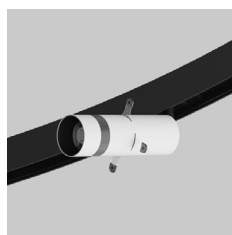
FG-R-T11-1
Globe



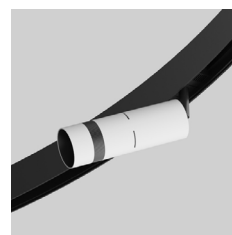
FG-R-WL-1
Wall Light



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

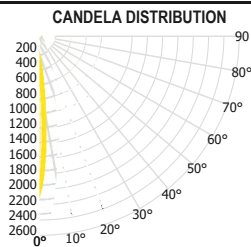


FG-R-P9-1
Pendant Flat Round

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

TEST NO.: 220062

INPUTW ATTS: 9.0 LUMENS: 343 EFFICACY: 38 BEAM ANGLE: 14 SPACINGC RITERIA: 0.31



CANDELA TABLE

	0°	90°
0°	2430	2430
10°	1068	892
20°	179	159
30°	27	26
40°	77	
50°	00	
60°	00	
70°	00	
80°	00	
90°	00	

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	83251238	83251238
45.00°	157962	211747
55.00°	00	
65.00°	00	
75.00°	00	
85.00°	00	

LUMENS PER ZONE

ZONE	UMENS
0° - 10°	149
10° - 20°	139
20° - 30°	41
30° - 40°	10
40° - 50°	4
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	288	84%
0° - 30°	329	96%
0° - 40°	339	99%
0° - 60°	343	100%
0° - 80°	343	100%
0° - 90°	343	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	67.5 fc	1.8 ft	1.8 ft
8.0 ft	38.0 fc	2.4 ft	2.4 ft
10.0 ft	24.3 fc	3.0 ft	3.0 ft
12.0 ft	16.9 fc	3.5 ft	3.6 ft
14.0 ft	12.4 fc	4.1 ft	4.2 ft
16.0 ft	9.5 fc	4.7 ft	4.8 ft
18.0 ft	7.5 fc	5.3 ft	5.4 ft
20.0 ft	6.1 fc	5.9 ft	6.0 ft

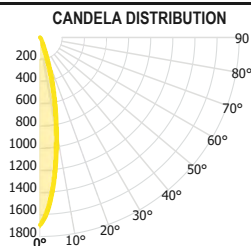
INDOOR COEFFICIENTS OF UTILIZATION

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	19	1191	19	1191	16	1161	16	116	111	111	111	106	106	106	102	102	102	100
11	15	113	111	1101	13	111	109	108	107	106	104	103	102	101	100	99	99	97
2	111	108	105	103	109	106	104	102	103	101	100	100	99	98	98	97	96	94
3	108	104	100	98	106	103	100	97	100	98	96	98	96	94	96	94	93	91
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	90	88	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	85
79	79	18	78	59	69	18	78	59	08	78	48	98	68	48	88	58	38	2
89	58	98	58	29	48	88	58	28	88	48	28	78	48	28	68	38	18	1
99	38	78	38	09	28	68	38	08	68	28	08	58	28	08	48	28	07	9
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77

FG-WL-1-SP-40K-90

TEST NO.: 220062

INPUTW ATTS: 8.9 LUMENS: 324 EFFICACY: 36 BEAM ANGLE: 24 SPACINGC RITERIA: 0.34



CANDELA TABLE

	0°	90°
0°	1694	1694
10°	874	804
20°	180	150
30°	32	29
40°	87	
50°	00	
60°	00	
70°	00	
80°	00	
90°	00	

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	58054530	58054530
45.00°	181705	168622
55.00°	00	
65.00°	00	
75.00°	00	
85.00°	00	

LUMENS PER ZONE

ZONE	UMENS
0° - 10°	122
10° - 20°	144
20° - 30°	42
30° - 40°	12
40° - 50°	3
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	266	82%
0° - 30°	309	95%
0° - 40°	320	99%
0° - 60°	324	100%
0° - 80°	324	100%
0° - 90°	324	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	47.1 fc	2.3 ft	2.3 ft
8.0 ft	26.5 fc	3.1 ft	3.1 ft
10.0 ft	16.9 fc	3.9 ft	3.9 ft
12.0 ft	11.8 fc	4.6 ft	4.7 ft
14.0 ft	8.6 fc	5.4 ft	5.4 ft
16.0 ft	6.6 fc	6.2 ft	6.2 ft
18.0 ft	5.2 fc	7.0 ft	7.0 ft
20.0 ft	4.2 fc	7.7 ft	7.8 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	19	1191	19	1191	16	1161	16	116	111	111	111	106	106	106	102	102	102	100			
11	15	113	111	109	112	111	109	108	107	105	104	103	102	101	100	99	98	97			
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88			
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85			
69	99	38	98	69	89	28	88	69	18	78	59	08	78	58	88	68	48	3			
79	69	08	68	39	58	98	68	38	88	58	28	78	48	28	68	48	28	1			
89	48	78	38	19	38	78	38	08	68	38	08	58	28	08	48	28	07	9			
99	18	58	17	89	08	48	17	88	48	07	88	38	08	28	08	28	07	7			
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75			

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

TEST NO.: 2200

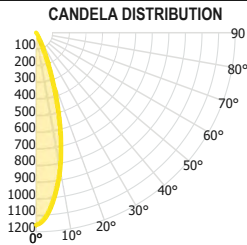
INPUT WATTS: 9.0

LUMENS: 324

EFFICACY: 32

BEAM ANGLE: 32

SPACING CRITERIA: 0.



CANDELA TABLE

	0°	90°
0°	1159	1159
10°	839	881
20°	275	327
30°	41	53
40°	89	
50°	00	
60°	00	
70°	00	
80°	00	
90°	00	

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	39710340	39710340
45.00°	179767	192365
55.00°	00	
65.00°	00	
75.00°	00	
85.00°	00	

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	95
10° - 20°	154
20° - 30°	59
30° - 40°	13
40° - 50°	3
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	249	77%
0° - 30°	308	95%
0° - 40°	321	99%
0° - 60°	324	100%
0° - 80°	324	100%
0° - 90°	324	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	32.2 fc	3.2 ft	3.2 ft
8.0 ft	18.1 fc	4.3 ft	4.3 ft
10.0 ft	11.6 fc	5.4 ft	5.4 ft
12.0 ft	8.0 fc	6.4 ft	6.4 ft
14.0 ft	5.9 fc	7.5 ft	7.5 ft
16.0 ft	4.5 fc	8.6 ft	8.6 ft
18.0 ft	3.6 fc	9.6 ft	9.6 ft
20.0 ft	2.9 fc	10.7 ft	10.7 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																0%
pc	80%																0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
01	19	1191	19	1191	16	1161	16	116	111	111	111	106	106	106	102	102	102
11	15	112	111	109	1121	10	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84
69	79	18	68	39	69	08	68	38	98	58	28	78	48	28	68	48	18
79	48	78	38	09	38	78	38	08	68	28	08	58	27	98	48	17	97
89	18	58	07	79	08	48	07	78	37	97	78	27	97	78	17	87	67
98	98	27	87	58	88	17	77	58	17	77	48	07	77	47	97	67	47
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72