

SERIES	LUMENS	WATTAGE
FG-R-TPJ-2	23lm	13W

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

GROOVE CURVE 'GOBO PROJECTOR' SERIES

Versatile and creative, the FG-R-TPJ-2 Gobo Projector lights can be used to cast custom logos, shapes, or patterns in a variety of sizes or illuminate exact profiles. A 355° rotation and 85° tilt add flexibility and depth to the illumination of walls, objects, and spaces. Available with various CCT options. Suitable for individual installation or assorted combination with other Groove Curve track luminaires for convenient, dynamic illumination. Custom designs available.

FOR ORDER CHART: Consult with factory on how custom designs can be submitted with your order for a truly unique design.

SERIES	Groove Curve - 'Gobo Projector' Series
SIZE	Length: 6-1/4"; Diameter: 2"
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-TPJ-2	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K	<input type="checkbox"/> 90	<input type="checkbox"/> WH-BK (White+Black) <input type="checkbox"/> BK-BK (Black)	<input type="checkbox"/> 48V <input type="checkbox"/> 48V-BLE (Bluetooth) *Power supply must be ordered

* Consult with factory on how custom designs can be submitted with your order for a truly unique design

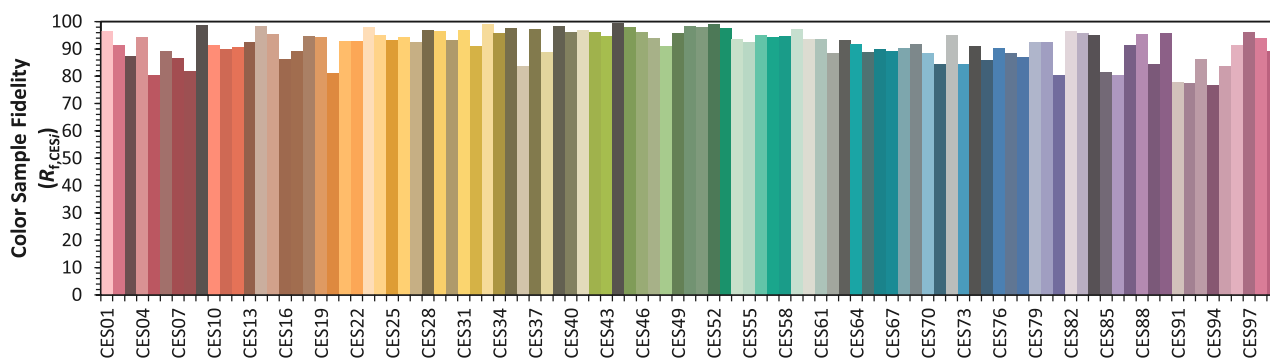
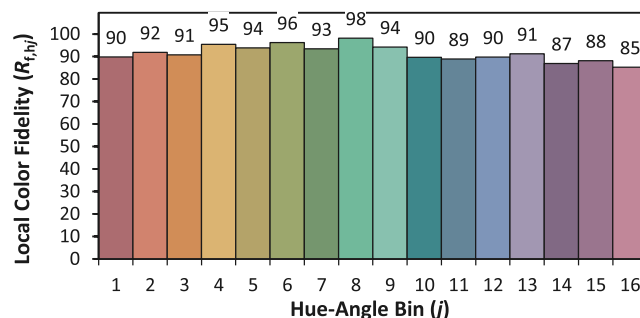
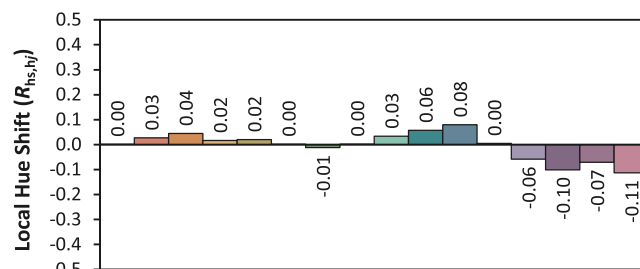
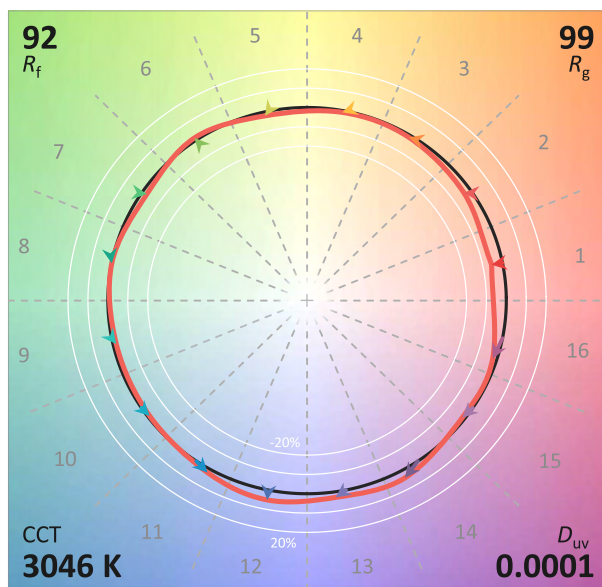
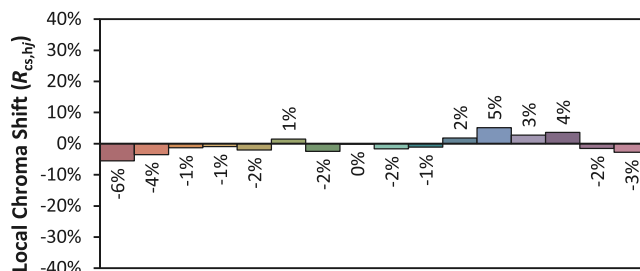
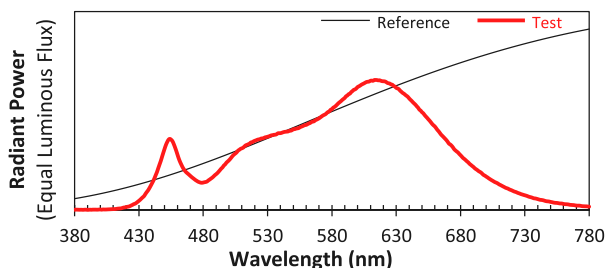
ANSI/IES TM-30-18 Color Rendition Report

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

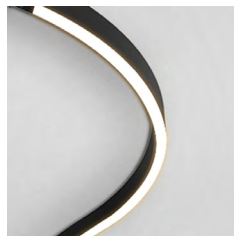
R_g 52

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



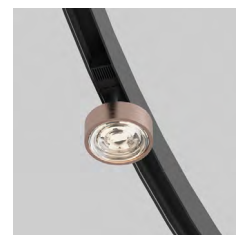
FG-R-T4-1
Beam Adjustable Cylinder



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



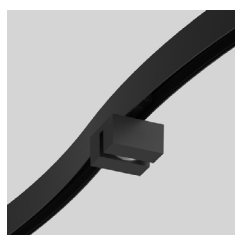
FG-R-T10-1
Track Downlight



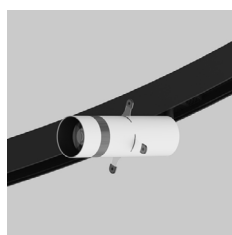
FG-R-T11-1
Globe



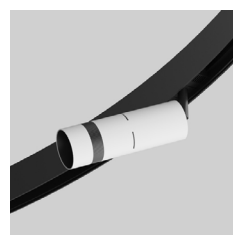
FG-R-WL-1
Wall Light



FG-R-LL-1
Line Light



FG-R-TPJ-1
Form Projector



FG-R-TPJ-2
Gobo Projector



FG-R-P1-1/2
Pendant



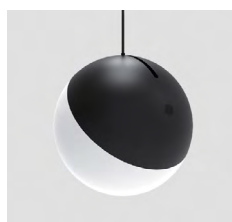
FG-R-P3-1/2
Pendant



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-TPJ-2-40K-90

TEST NO.: **220062**

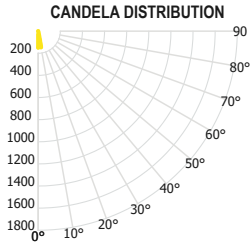
INPUT WATTS: **12.7**

LUMENS: **23**

EFFICACY: **2**

BEAM ANGLE: **3**

SPACING CRITERIA: **0.39**



CANDELA TABLE

	0°	90°
0°	150	150
10°	148	2
20°	10	
30°	00	
40°	00	
50°	00	
60°	00	
70°	00	
80°	00	
90°	00	

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	819945	819945
10°	00	
20°	00	
30°	00	
40°	00	
50°	00	

LUMENS PER ZONE

ZONEL	UMENS
0° - 10°	18
10° - 20°	
20° - 30°	
30° - 40°	
40° - 50°	
50° - 60°	
60° - 70°	
70° - 80°	
80° - 90°	

ZONAL LUMEN SUMMARY

ZONEU	MENS	% LUMINAIRE
0° - 20°	22	99%
0° - 30°	22	100%
0° - 40°	23	100%
0° - 60°	23	100%
0° - 80°	23	100%
0° - 90°	23	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	4.2 fc	0.7 ft	0.5 ft
8.0 ft	2.3 fc	0.9 ft	0.6 ft
10.0 ft	1.5 fc	1.1 ft	0.8 ft
12.0 ft	1.0 fc	1.4 ft	0.9 ft
14.0 ft	0.8 fc	1.6 ft	1.1 ft
16.0 ft	0.6 fc	1.8 ft	1.2 ft
18.0 ft	0.5 fc	2.0 ft	1.4 ft
20.0 ft	0.4 fc	2.3 ft	1.5 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	16	1151	13	1121	14	112	111	110	109	108	107	105	104	104	102	101	101	99
21	14	111	109	107	1121	10	108	106	107	105	104	104	103	102	101	100	100	98
31	12	109	106	104	1101	07	105	103	105	103	102	103	101	100	101	100	99	98
41	10	106	104	102	109	105	103	101	104	102	100	102	100	99	100	99	98	97
5	108	105	102	100	107	104	101	99	102	100	99	101	99	98	100	98	97	96
6	107	103	100	98	106	102	100	98	101	99	98	100	98	97	99	98	96	96
7	106	102	99	97	105	1019	99	7	100	98	97	99	98	96	99	97	96	95
8	105	101	98	96	104	1009	89	69	99	79	69	99	79	59	89	69	59	5
9	104	100	97	95	103	99	97	95	99	97	95	98	96	95	97	96	95	94
10	103	99	96	95	102	98	96	95	98	96	94	97	96	94	97	95	94	94