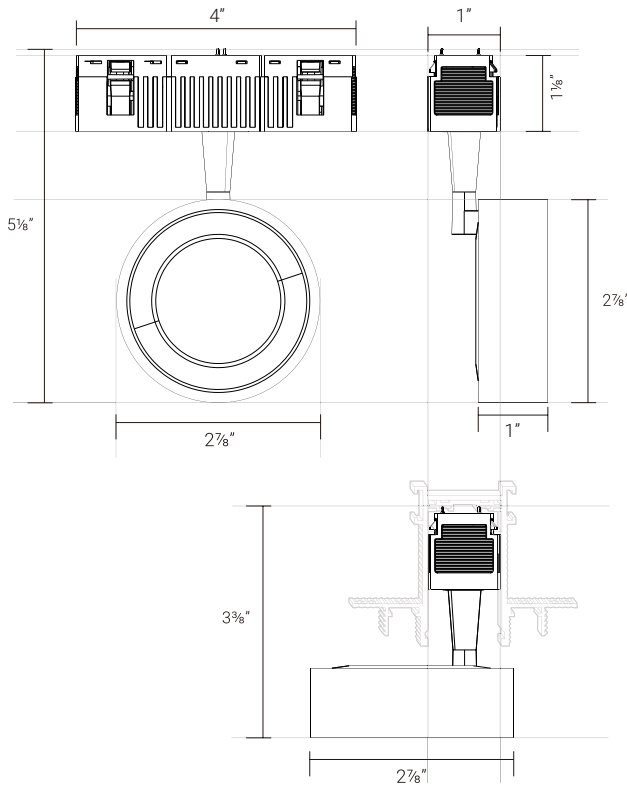




Rotate 355° Tilt 85°



SERIES	LUMENS	WATTAGE
FG-R-T5-2	600lm	9W

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

GROOVE CURVE 'FLAT ROUND' SERIES

Slim, sleek, and fully adjustable, the FG-R-T5-2 Flat Round Track Heads feature nearly a full range of motion with 355° rotation and 85° tilt, ideal for task or accent lighting. Optional Narrow Spot, Spot, Narrow Flood, Flood, and Wide Flood TIR optics provide precise beam control and reduce 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 - 'Flat Round' Series
SIZE	Diameter 3"
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°, Spot 20°, Narrow Flood 36°, Flood 50°, Wide Flood 64°
FINISH	○ WH (White) ● BK (Black) ● BZ (Satin Bronze) ● SB (Satin Brass)
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-T5-2	☐ NS=14° ☐ SP=20° ☐ NFL=36° ☐ FL=50° ☐ WFL=64°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH (White) ☐ BK (Black) ☐ SB (Satin Brass) ☐ BZ (Satin Bronze)	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

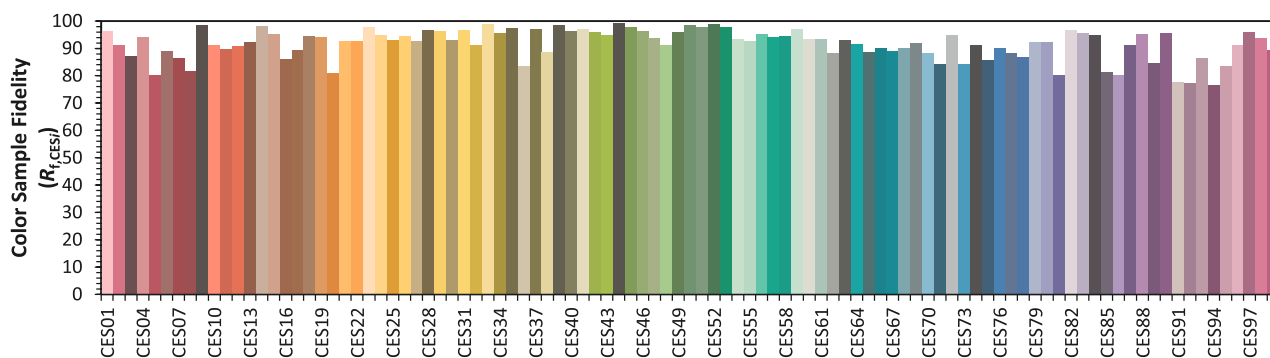
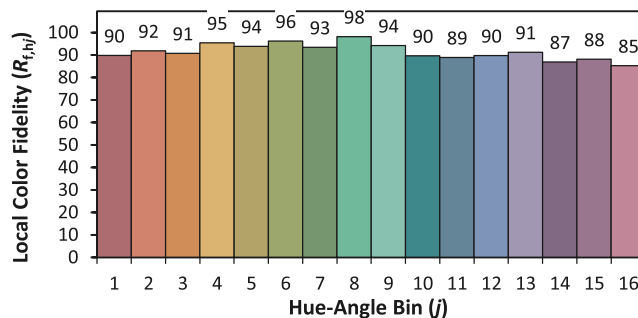
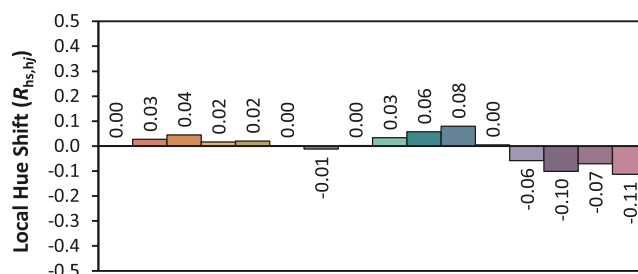
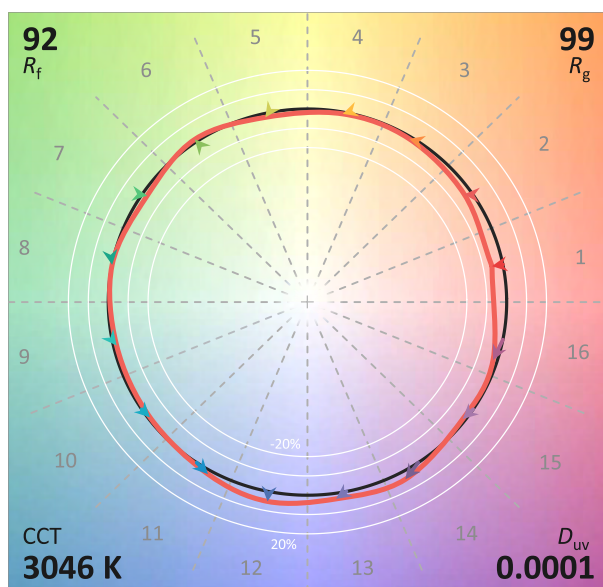
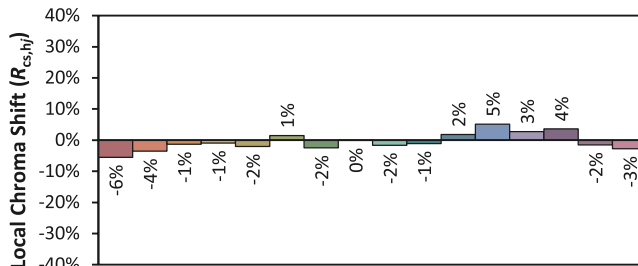
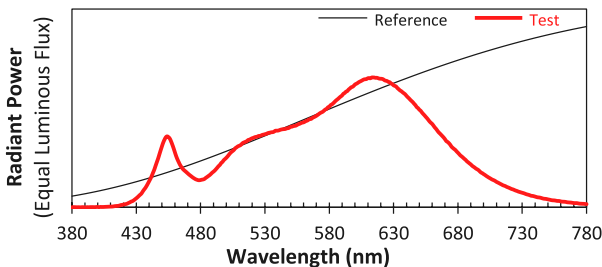
ANSI/IES TM-30-18 Color Rendition Report

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

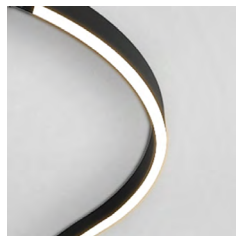
R_g 52

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



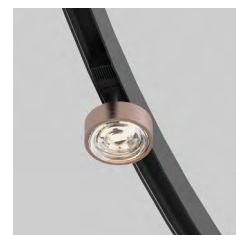
FG-R-T4-1
Beam Adjustable Cylinder



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



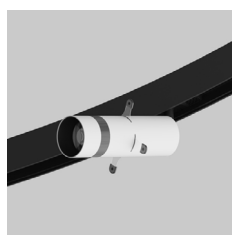
FG-R-T11-1
Globe



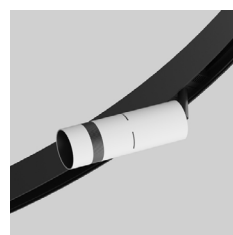
FG-R-WL-1
Wall Light



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-T5-2-NS-40K-90

TEST NO.: **220062**

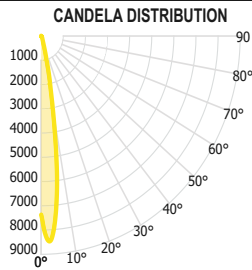
INPUT WATTS: **9.1**

LUMENS: **599**

EFFICACY: **66**

BEAM ANGLE: **14**

SPACING CRITERIA: **0.32**



CANDELA TABLE

	0°	90°
0°	7376	7376
10°	3029	1119
20°	236	155
30°	92	74
40°	50	43
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°	20630554	20630554
45.00°	152523	136464
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	349
10° - 20°	139
20° - 30°	51
30° - 40°	35
40° - 50°	25
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	488	81%
0° - 30°	539	90%
0° - 40°	574	96%
0° - 60°	599	100%
0° - 80°	599	100%
0° - 90°	599	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	204.9 fc	1.3 ft	1.2 ft
8.0 ft	115.3 fc	1.7 ft	1.6 ft
10.0 ft	73.8 fc	2.1 ft	2.0 ft
12.0 ft	51.2 fc	2.5 ft	2.4 ft
14.0 ft	37.6 fc	3.0 ft	2.8 ft
16.0 ft	28.8 fc	3.4 ft	3.2 ft
18.0 ft	22.8 fc	3.8 ft	3.7 ft
20.0 ft	18.4 fc	4.2 ft	4.1 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	80%				70%				20%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	112	112	112	112	109	109	109	109	104	104	104	100	100	100	96	96	96	96	96	94	94
1	109	107	105	104	106	105	103	102	101	100	99	98	97	96	94	94	94	93	93	92	92
2	105	102	100	97	103	101	98	96	96	94	95	94	92	93	91	90	89	89	88	87	87
3	102	98	95	93	101	97	94	92	95	93	91	93	91	89	91	89	89	88	88	87	87
4	100	95	92	89	98	94	91	89	92	90	88	91	88	87	89	87	87	86	85	85	85
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6	95	90	86	84	94	89	86	83	88	85	83	87	84	82	86	84	82	81	81	81	81
7	93	87	84	81	92	87	84	81	86	83	81	85	82	81	84	82	80	79	78	78	78
8	91	85	82	80	90	85	82	79	84	81	79	83	81	79	83	80	79	78	77	77	77
9	89	84	80	78	88	83	80	78	83	80	78	82	79	77	81	79	77	76	76	76	76
10	87	82	79	77	87	82	79	76	81	78	76	80	78	76	80	78	76	75	75	75	75

FG-R-T5-2-SP-40K-90

TEST NO.: **220062**

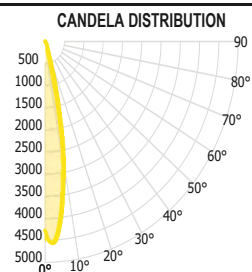
INPUT WATTS: **9.1**

LUMENS: **586**

EFFICACY: **64**

BEAM ANGLE: **20**

SPACING CRITERIA: **0.41**



CANDELA TABLE

	0°	90°
0°	4281	4281
10°	2824	1726
20°	325	200
30°	92	66
40°	34	29
50°	00	00
60°	00	00
70°	00	00
80°	00	00
90°	00	00

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	11972887	11972887
45.00°	98254	90304
55.00°	00	00
65.00°	00	00
75.00°	00	00
85.00°	00	00

LUMENS PER ZONE

ZONE	UMENS
0° - 10°	280
10° - 20°	202
20° - 30°	58
30° - 40°	28
40° - 50°	17
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	482	82%
0° - 30°	540	92%
0° - 40°	568	97%
0° - 60°	586	100%
0° - 80°	586	100%
0° - 90°	586	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	118.9 fc	2.0 ft	1.9 ft
8.0 ft	66.9 fc	2.6 ft	2.5 ft
10.0 ft	42.8 fc	3.3 ft	3.1 ft
12.0 ft	29.7 fc	3.9 ft	3.7 ft
14.0 ft	21.8 fc	4.6 ft	4.4 ft
16.0 ft	16.7 fc	5.3 ft	5.0 ft
18.0 ft	13.2 fc	5.9 ft	5.6 ft
20.0 ft	10.7 fc	6.6 ft	6.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	80%				70%				20%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	111	111	111	111	109	109	109	109	104	104	104	100	100	100	96	96	96	96	96	94	94
1	108	106	104	103	106	104	103	101	100	99	98	97	96	95	94	93	93	92	91	91	91
2	105	101	99	97	103	100	97	95	97	95	93	94	93	91	92	91	90	88	87	87	87
3	102	97	94	92	100	96	93	91	94	92	90	92	90	88	90	88	87	86	86	86	86
4	99	94	91	89	97	93	90	88	91	88	86	88	86	84	86	84	83	82	82	82	82
5	96	91	88	86	94	90	87	85	88	85	83	85	83	81	83	81	80	79	78	78	78
6	93	88	85	83	91	87	84	82	85	82	80	82	80	78	80	78	77	76	76	76	76
7	90	85	82	80	88	84	81	79	82	79	77	79	77	75	77	75	74	73	73	73	73
8	87	82	79	77	85	81	78	76	79	76	74	76	74	72	74	72	71	70	70	70	70
9	84	79	76	74	82	78	75	73	74	71	69	71	69	67	69	67	66	65	65	65	65
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FG-R-T5-2-NFL-40K-90

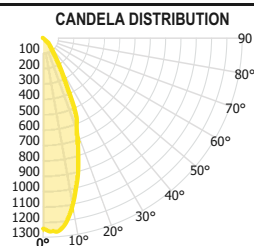
TEST NO.: **220062**

INPUT WATTS: **9.1**

LUMENS: **562**

EFFICACY: **62**

BEAM ANGLE: **36**

SPACING CRITERIA: **0.65**

CANDULA TABLE

	0°	90°
0°	1243	1243
10°	1108	966
20°	644	545
30°	229	164
40°	83	67
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°	3476324	3476324
45.00°	225225	190733
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	105
10° - 20°	206
20° - 30°	149
30° - 40°	66
40° - 50°	37
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	311	55%
0° - 30°	459	82%
0° - 40°	526	93%
0° - 60°	562	100%
0° - 80°	562	100%
0° - 90°	562	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	34.5 fc	3.8 ft	3.8 ft
8.0 ft	19.4 fc	5.1 ft	5.1 ft
10.0 ft	12.4 fc	6.3 ft	6.4 ft
12.0 ft	8.6 fc	7.6 ft	7.7 ft
14.0 ft	6.3 fc	8.8 ft	9.0 ft
16.0 ft	4.9 fc	10.1 ft	10.2 ft
18.0 ft	3.8 fc	11.4 ft	11.5 ft
20.0 ft	3.1 fc	12.6 ft	12.8 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%	
0	108	108	108	108	106	106	106	106	101	101	101	97	97	97	93	93	93	91	
1	104	101	99	98	101	99	98	96	96	94	93	92	91	90	89	89	88	86	
2	99	95	92	89	97	94	91	88	91	88	86	88	86	85	86	84	83	81	
3	95	90	86	83	93	89	85	82	86	83	81	84	82	79	82	80	78	77	
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5	87	80	76	72	86	80	75	72	78	74	71	77	73	71	75	72	70	69	
6	83	76	72	68	82	76	71	68	74	70	67	73	70	67	72	69	67	65	
7	80	73	68	64	79	72	68	64	71	67	64	70	66	64	69	66	63	62	
8	77	69	65	61	76	69	64	61	68	64	61	67	63	61	66	63	60	59	
9	74	66	61	58	73	66	61	58	65	61	58	64	60	58	64	60	58	57	
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FG-R-T5-2-FL-40K-90

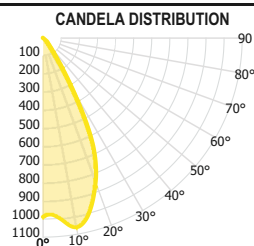
TEST NO.: **220062**

INPUT WATTS: **9.1**

LUMENS: **635**

EFFICACY: **70**

BEAM ANGLE: **50**

SPACING CRITERIA: **0.92**

CANDULA TABLE

	0°	90°
0°	988	988
10°	1060	940
20°	847	703
30°	325	169
40°	61	39
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°	2762292	2762292
45.00°	146590	108024
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	96
10° - 20°	247
20° - 30°	208
30° - 40°	60
40° - 50°	24
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	343	54%
0° - 30°	552	87%
0° - 40°	611	96%
0° - 60°	635	100%
0° - 80°	635	100%
0° - 90°	635	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	27.4 fc	5.4 ft	5.3 ft
8.0 ft	15.4 fc	7.1 ft	7.0 ft
10.0 ft	9.9 fc	8.9 ft	8.8 ft
12.0 ft	6.9 fc	10.7 ft	10.5 ft
14.0 ft	5.0 fc	12.5 ft	12.3 ft
16.0 ft	3.9 fc	14.3 ft	14.0 ft
18.0 ft	3.0 fc	16.1 ft	15.8 ft
20.0 ft	2.5 fc	17.8 ft	17.5 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%			
0	113	113	113	113	110	110	110	110	106	106	106	101	101	101	97	97	97	95			
1	108	106	104	102	106	104	102	100	100	99	97	97	96	94	93	93	92	90			
2	104	100	96	94	102	98	95	92	95	93	90	92	90	89	90	88	87	85			
3	99	94	90	87	98	93	89	86	90	87	85	88	85	83	86	84	82	81			
4	95	89	84	81	94	88	84	80	86	82	79	84	81	79	82	80	78	76			
5	91	84	79	76	90	83	79	76	82	78	75	80	77	74	79	76	74	72			
6	87	80	75	71	86	79	75	71	78	74	71	77	73	70	76	72	70	69			
7	84	76	71	68	83	76	71	67	74	70	67	73	70	67	72	69	66	65			
8	80	73	68	64	79	72	67	64	71	67	64	70	66	63	69	66	63	62			
9	77	69	64	61	76	69	64	61	68	64	61	67	63	60	66	63	60	59			
10	74	66	61	58	73	66	61	58	65	61	58	64	60	58	64	60	58	56			

FG-R-T5-2-WFL-40K-90

TEST NO.: **220062**

INPUT WATTS: **9.2**

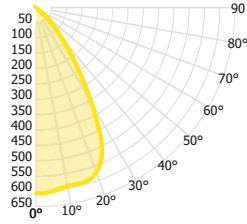
LUMENS: **569**

EFFICACY: **62**

BEAM ANGLE: **64**

SPACING CRITERIA: **1.04**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	606	606
10°	593	595
20°	574	534
30°	367	270
40°	137	95
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°	1693970	1693970
45.00°	311534	229734
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	57
10° - 20°	163
20° - 30°	192
30° - 40°	110
40° - 50°	47
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	220	39%
0° - 30°	412	72%
0° - 40°	522	92%
0° - 60°	569	100%
0° - 80°	569	100%
0° - 90°	569	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	16.8 fc	6.7 ft	6.7 ft
8.0 ft	9.5 fc	9.0 ft	8.9 ft
10.0 ft	6.1 fc	11.2 ft	11.1 ft
12.0 ft	4.2 fc	13.5 ft	13.4 ft
14.0 ft	3.1 fc	15.7 ft	15.6 ft
16.0 ft	2.4 fc	18.0 ft	17.8 ft
18.0 ft	1.9 fc	20.2 ft	20.0 ft
20.0 ft	1.5 fc	22.5 ft	22.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																		0%
	80%				70%				50%				30%				10%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%		
pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	109	109	109	109	107	107	107	107	102	102	102	98	98	98	94	94	94	92	
1	104	102	100	98	102	100	98	96	96	95	93	93	92	90	90	89	88	86	
2	99	95	91	88	97	93	90	87	90	88	85	88	85	84	85	83	82	80	
3	94	89	84	80	93	87	83	80	85	81	79	83	80	77	81	78	76	75	
4	90	83	78	74	88	82	77	74	80	76	73	78	75	72	76	73	71	70	
5	85	78	72	68	84	77	72	68	75	71	67	74	70	67	72	69	66	65	
6	81	73	67	63	80	72	67	63	71	66	63	69	65	62	68	65	62	61	
7	77	68	63	59	76	68	63	59	67	62	59	66	61	58	65	61	58	57	
8	73	64	59	55	72	64	59	55	63	58	55	62	58	55	61	57	54	53	
9	70	61	55	52	69	60	55	52	60	55	51	59	54	51	58	54	51	50	
10	66	58	52	49	65	57	52	49	56	52	48	56	51	48	55	51	48	47	