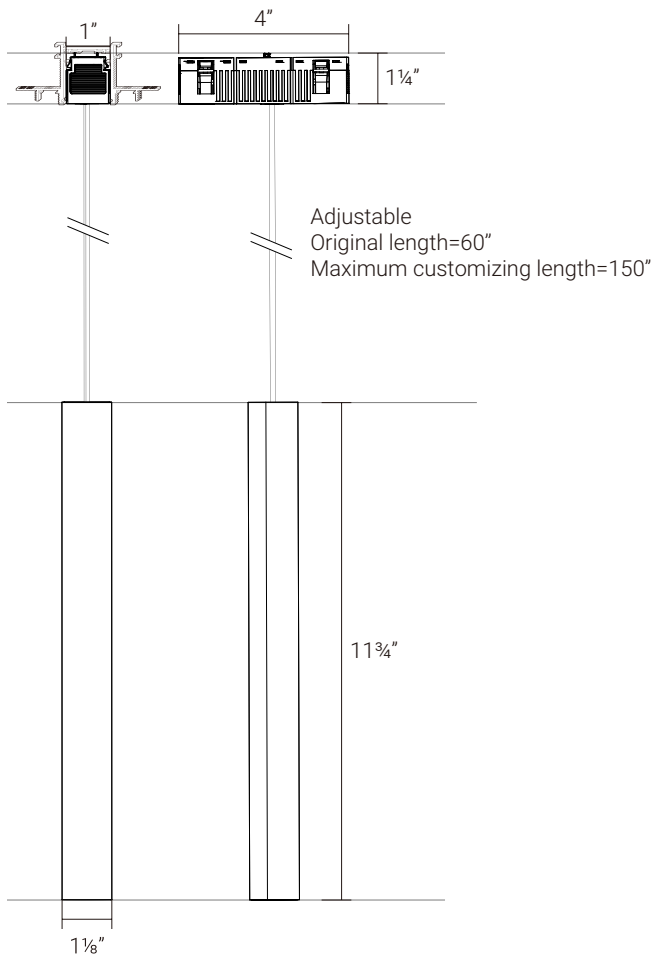




GROOVE CURVE 'PENDANT' SERIES

Designed with sleek profiles and advanced optical design, FG-R-P1 pendants harness both elegance and function. A combination of black interiors and Spot, Narrow Flood, and Flood TIR optics enables precise beam control and glare-reduction. Fieldchangeable optics with various lumen and distribution options make for a truly versatile solution, while additional linear or frosted diffusers and honeycomb accessories lend to further customization. Three different Snoot, Wall-Wash, and Frosted Edge Cover options facilitate everything from a powerful beam to a gentle, focused glow. Suitable for individual installation or assorted combination with other Groove Curve track luminaires for convenient, dynamic illumination.



SERIES	LUMENS	WATTAGE
FG-R-P1-1	540lm	9W

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

SERIES	Groove Curve - 'Pendant' series
SIZE	11 3/4", 1 1/8"
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 24°, Narrow Flood 36°, Flood 45°
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.

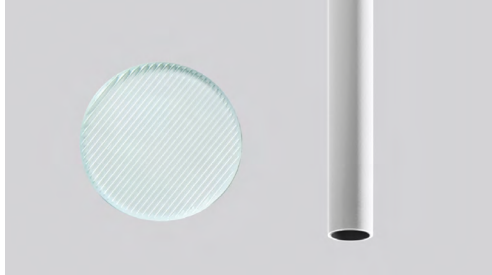
EldoLED PowerDrive dimming down to 0.1%. Please see the EldoLED website for wiring diagrams and a full list of compatible DMX and DALI control systems.

WARRANTY

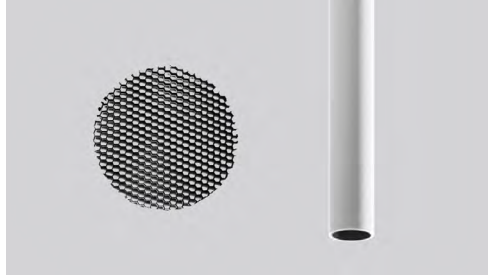
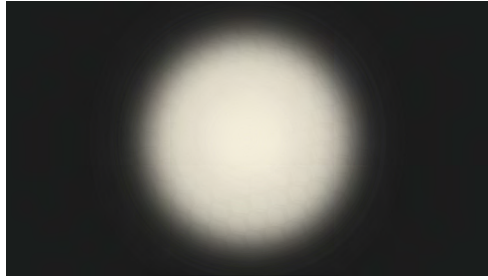
5-year warranty for parts and components (labor not included).

EXAMPLE:						
SERIES	OPTICS	CCT	CRI	FINISH	ACCESSORY	OPTION
FG-R-P1-1	☐ SP=24° ☐ NFL=36° ☐ FL=45°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH-BK (White+Black) ☐ BK-BK (Black)	☐ FG-T-ACC-LI-1 ☐ FG-T-ACC-HC-1 ☐ FG-T-ACC-FR-1	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

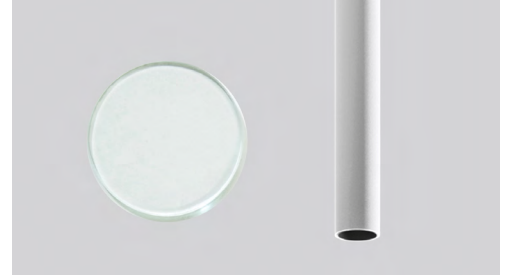
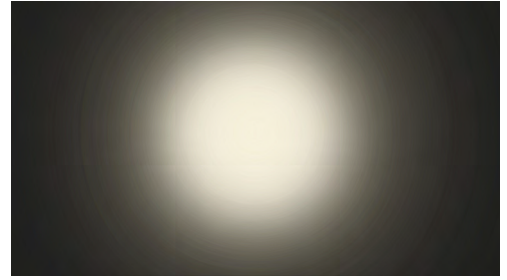
ACCESSORIE HOLDER WITH HONEYCOMB LENS



FG-T-ACC-LI-1 LINEAR DIFFUSER



FG-T-ACC-HC-1 HONEYCOMB



FG-T-ACC-FR-1 FROSTED DIFFUSER

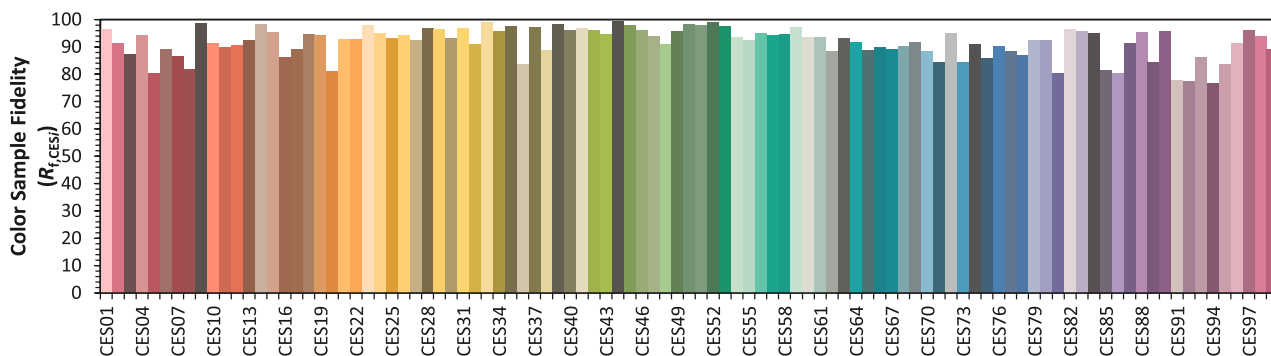
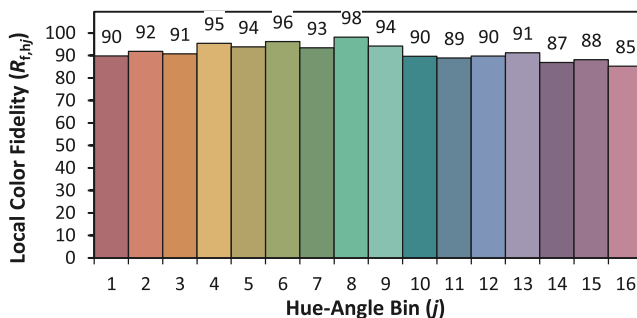
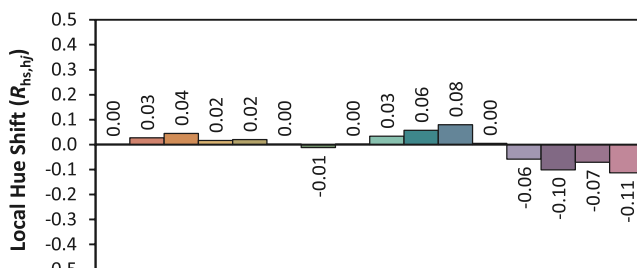
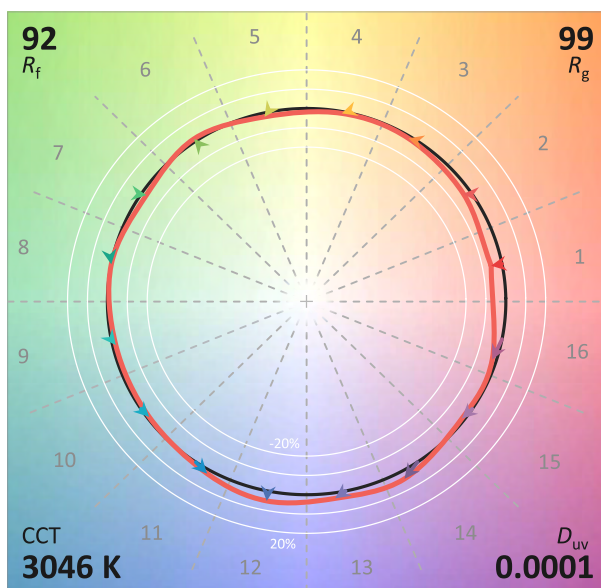
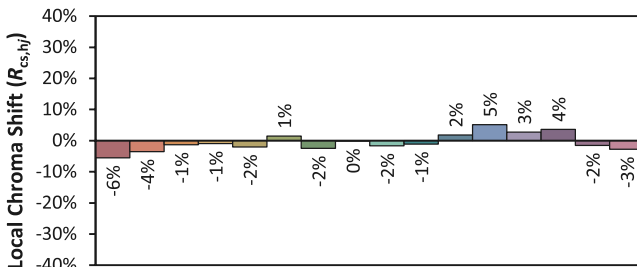
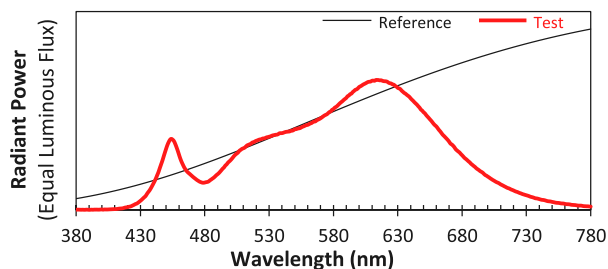
ANSI/IES TM-30-18 Color Rendition Report

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

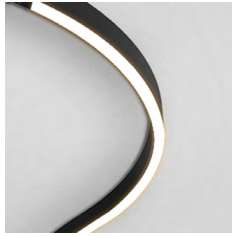
R_g 52

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



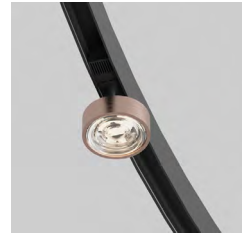
FG-R-T4-1
Beam Adjustable Cylinder



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



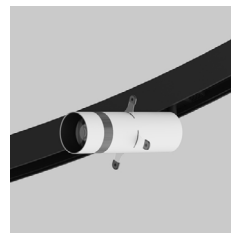
FG-R-T11-1
Globe



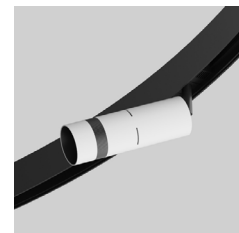
FG-R-WL-1
Wall Light



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



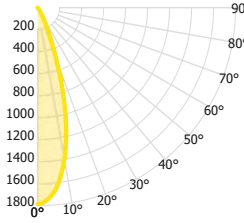
FG-R-P9-1
Pendant Flat Round

FG-R-P1-1-SP-40K-90

TEST NO.: **220062**

INPUT W ATTS: **9.2** LUMENS: **540** EFFICACY: **59** BEAM ANGLE: **24** SPACING CRITERIA: **0.53**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	1785	1785
10°	1403	1378
20°	502	470
30°	104	95
40°	23	20
50°	00	
60°	00	
70°	00	
80°	00	
90°	00	

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	27186222	27186222
45.00°	192096	163669
55.00°	00	
65.00°	00	
75.00°	00	
85.00°	00	

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	151
10° - 20°	249
20° - 30°	104
30° - 40°	30
40° - 50°	7
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	400	74%
0° - 30°	503	93%
0° - 40°	533	99%
0° - 60°	540	100%
0° - 80°	540	100%
0° - 90°	540	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	49.6 fc	3.3 ft	3.3 ft
8.0 ft	27.9 fc	4.4 ft	4.4 ft
10.0 ft	17.9 fc	5.5 ft	5.5 ft
12.0 ft	12.4 fc	6.6 ft	6.6 ft
14.0 ft	9.1 fc	7.7 ft	7.7 ft
16.0 ft	7.0 fc	8.8 ft	8.9 ft
18.0 ft	5.5 fc	9.9 ft	10.0 ft
20.0 ft	4.5 fc	11.0 ft	11.1 ft

INDOOR COEFFICIENTS OF UTILIZATION

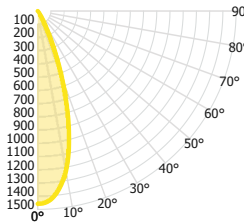
pf	20%															0%										
pc	80%					70%					50%					30%					10%					0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%								
01	19	1191	19	1191	16	1161	16	116	111	111	111	106	106	106	102	102	102	100								
11	14	1121	10	109	1121	10	108	107	106	105	104	103	101	100	99	98	98	96								
21	10	107	104	101	108	105	102	100	102	100	98	99	97	96	95	94	92	91								
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89								
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	87	85								
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82								
69	69	08	58	29	58	98	58	28	88	48	18	68	38	18	58	38	07	9								
79	38	68	27	99	28	68	27	98	58	17	88	48	07	88	38	07	87	7								
89	08	37	97	68	98	37	97	68	27	87	68	17	87	58	07	77	57	4								
98	88	17	67	38	78	07	67	37	97	67	37	97	57	37	87	57	37	2								
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69								

FG-R-P1-1-NFL-40K-90

TEST NO.: **220062**

INPUT WATTS: **8.9** LUMENS: **540** EFFICACY: **61** BEAM ANGLE: **36** SPACING CRITERIA: **0.57 x 0.57**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	1458	1458
10°	1231	1249
20°	541	534
30°	97	91
40°	16	15
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°	22200635	22200635
45.00°	122752	128997
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	130
10° - 20°	251
20° - 30°	126
30° - 40°	28
40° - 50°	5
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	381	70%
0° - 30°	507	94%
0° - 40°	535	99%
0° - 60°	540	100%
0° - 80°	540	100%
0° - 90°	540	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	40.5 fc	3.8 ft	3.8 ft
8.0 ft	22.8 fc	5.1 ft	5.1 ft
10.0 ft	14.6 fc	6.4 ft	6.4 ft
12.0 ft	10.1 fc	7.7 ft	7.7 ft
14.0 ft	7.4 fc	9.0 ft	9.0 ft
16.0 ft	5.7 fc	10.2 ft	10.2 ft
18.0 ft	4.5 fc	11.5 ft	11.5 ft
20.0 ft	3.6 fc	12.8 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	86	82	80	84	81	79	78
7	92	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	72	78	74	71	77	74	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

FG-R-P1-1-FL-40K-90

TEST NO.: **220062**

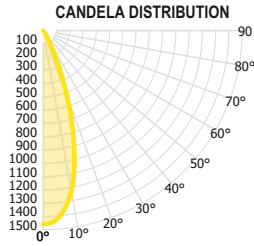
INPUT WATTS: **8.8**

LUMENS: **553**

EFFICACY: **63**

BEAM ANGLE: **45**

SPACING CRITERIA: **0.75**



CANDELA TABLE

	0°	90°
0°	954	954
10°	874	882
20°	604	616
30°	193	181
40°	23	22
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°	14534799	14534799
45.00°	199848	194680
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	88
10° - 20°	216
20° - 30°	188
30° - 40°	53
40° - 50°	9
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	303	55%
0° - 30°	491	89%
0° - 40°	544	98%
0° - 60°	553	100%
0° - 80°	553	100%
0° - 90°	553	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	26.5 fc	5.2 ft	5.3 ft
8.0 ft	14.9 fc	7.0 ft	7.1 ft
10.0 ft	9.5 fc	8.7 ft	8.8 ft
12.0 ft	6.6 fc	10.5 ft	10.6 ft
14.0 ft	4.9 fc	12.2 ft	12.4 ft
16.0 ft	3.7 fc	14.0 ft	14.1 ft
18.0 ft	2.9 fc	15.7 ft	15.9 ft
20.0 ft	2.4 fc	17.5 ft	17.7 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
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6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	87	80	75	72	79	75	71	78	74	71	77	73	71	69
8	85	77	72	68	84	76	72	68	75	71	68	75	71	68	74	70	67	66
9	82	74	68	65	81	73	68	65	72	68	65	71	67	65	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	64	62	68	64	61	60