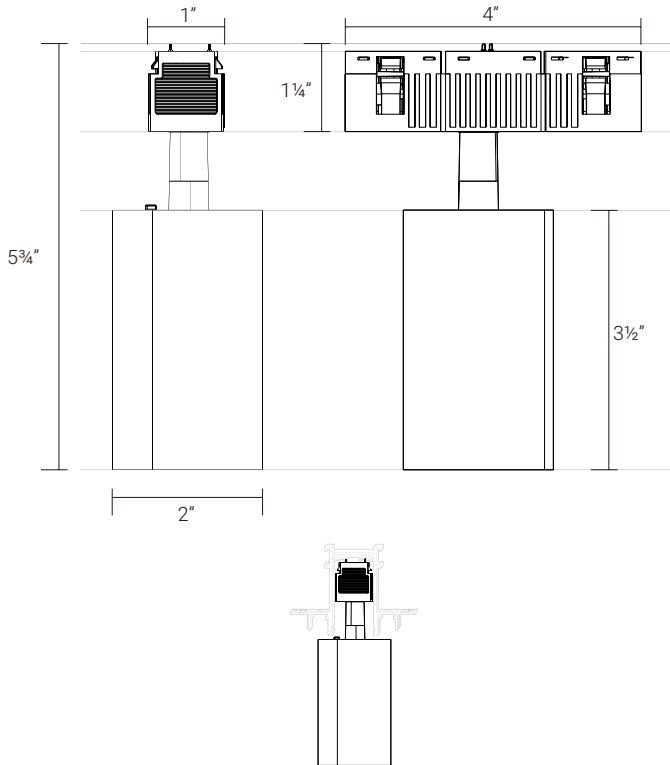
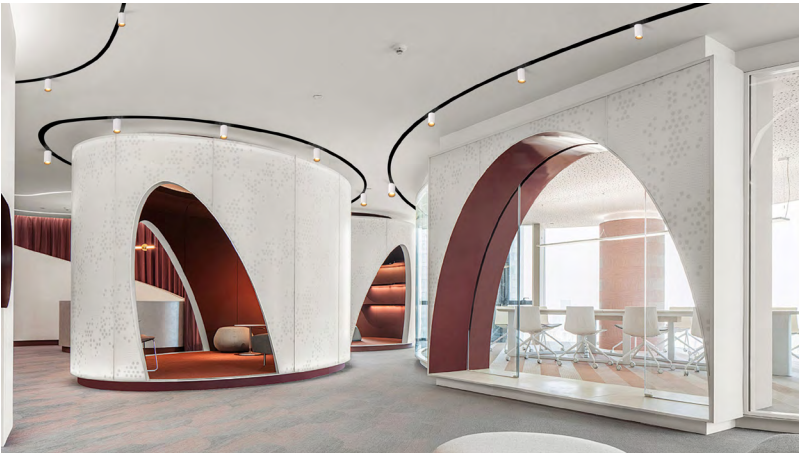




GROOVE CURVE 'CYLINDER' SERIES

FG-T3-1 Cylinder Track Heads combine function and aesthetics for a potent, versatile, and discreet illumination. Compact profiles and a combination of black interiors and field changeable Spot, Narrow Flood, and Flood TIR optics enable precise beam control and glare-reduction. Available in various CCT options with Linear and Frosted Diffusers and Honeycomb lens accessories. Additional Snoot, Wall Wash, and Frosted Edge Cover accessories can be used to create powerful beams, even washes, or gentle, yet focused glows. Suitable for individual installation or assorted combination with other Groove Curve track luminaires for convenient, dynamic illumination.

SERIES	Groove Curve - 'Cylinder' Series
SIZE	Length: 3-1/2", 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
OPTICS	Spot 20°, 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

SERIES	LUMENS	WATTAGE
FG-R-T3-1	1200lm	16W

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

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

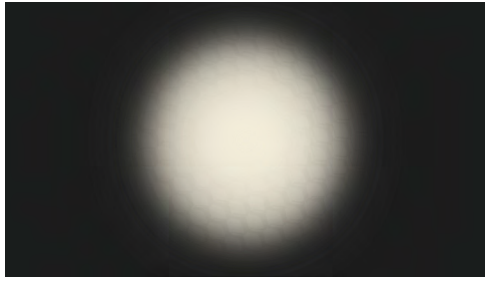
5-year warranty for parts and components (labor not included).

EXAMPLE:						
SERIES	OPTICS	CCT	CRI	FINISH	ACCESSORY	OPTION
FG-R-T3-1	☐ SP=20° ☐ NFL=36° ☐ FL=45°	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K	☐ 90	☐ WH-BK (White+Black) ☐ BK-BK (Black)	☐ FG-T-ACC-LI-2 ☐ FG-T-ACC-HC-2 ☐ FG-T-ACC-FR-2 ☐ FG-T-ACC-SN-2 ☐ FG-T-ACC-WW-2 ☐ FG-T-ACC-FC-2	☐ 48V ☐ 48V-BLE (Bluetooth) *Power supply must be ordered

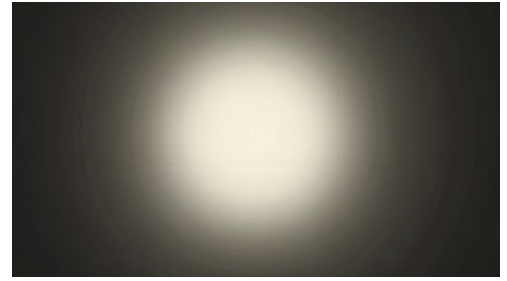
ACCESSORY OPTIONS FOR FG-R-T3-1



FG-T-ACC-LI-2 LINEAR DIFFUSER



FG-T-ACC-HC-2 HONEYCOMB



FG-T-ACC-FR-2 FROSTED DIFFUSER



FG-T-ACC-SN-2 SNOOT



FG-T-ACC-WW-2 SNOOT - WALL WASH



FG-T-ACC-FC-2 FROSTED EDGE

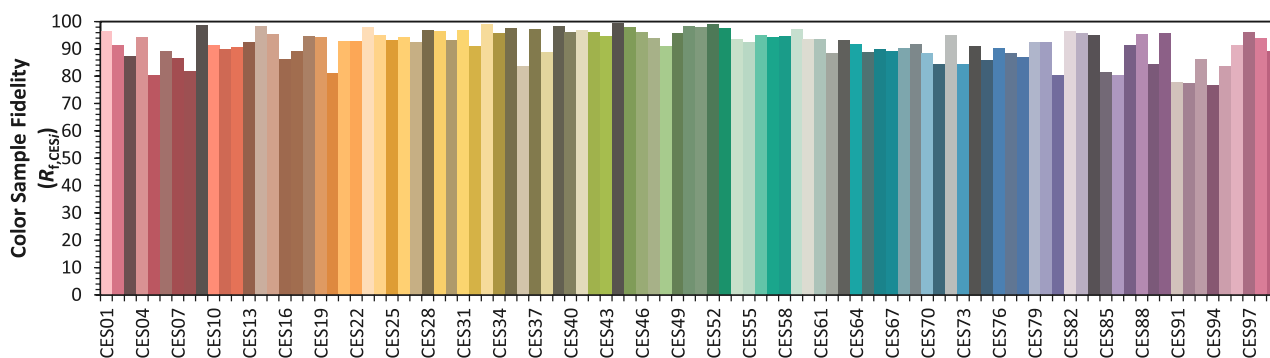
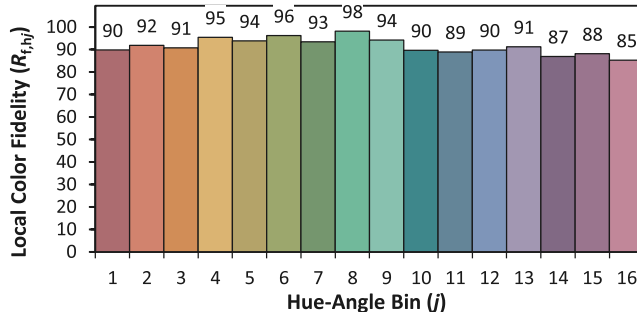
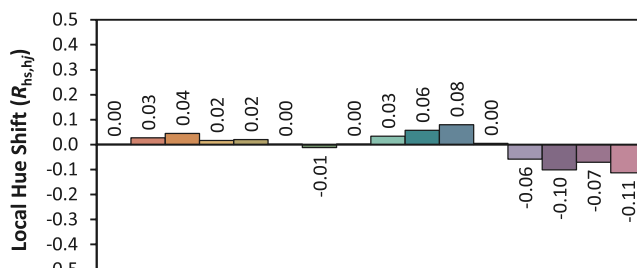
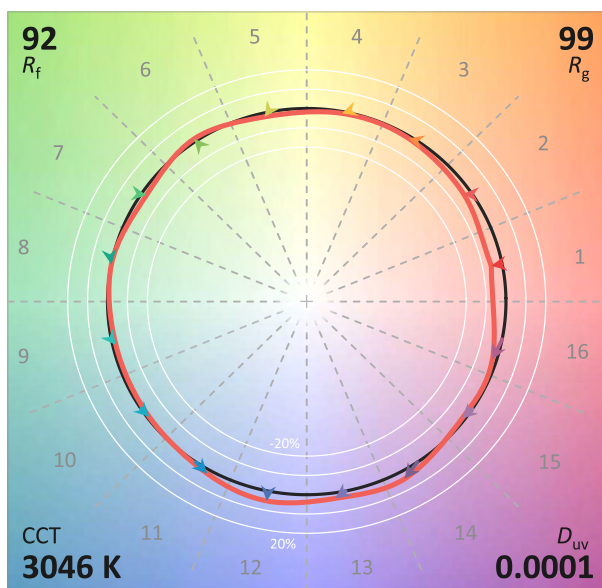
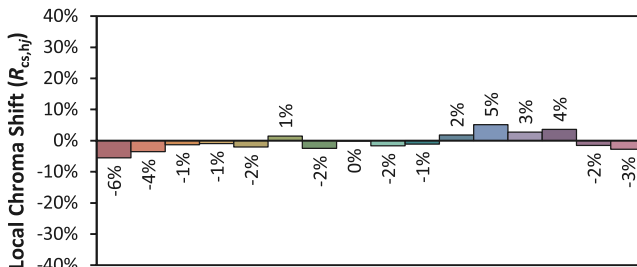
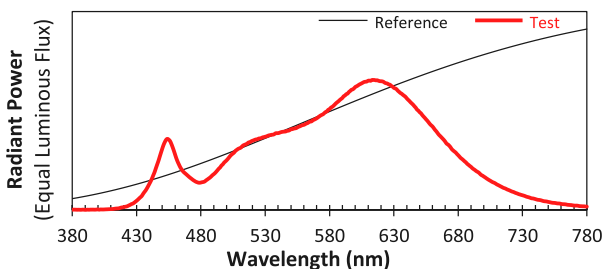
ANSI/IES TM-30-18 Color Rendition Report

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



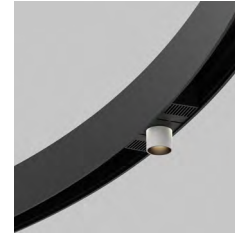
FG-LS-3
Linear Silicone 3ft



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



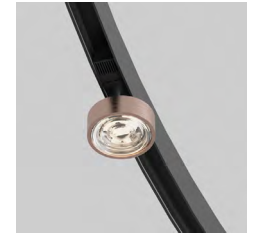
FG-R-T4-1
Beam Adjustable Cylinder



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



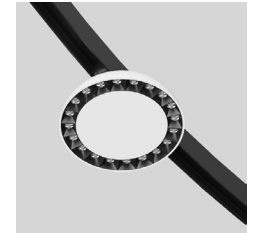
FG-R-T7-2
Rectangle Track Light



FG-R-T8-1
Track Globe



FG-R-T9-1
Track Globe



FG-R-T10-1
Track Downlight



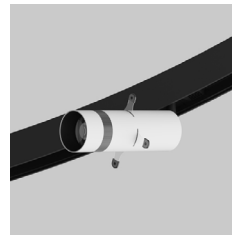
FG-R-T11-1
Globe



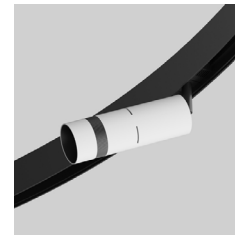
FG-R-WL-1
Wall Light



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

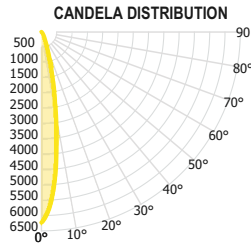


FG-R-P9-1
Pendant Flat Round

FG-R-T3-1-SP-40K-90

TEST NO.: **220062**

INPUT WATTS: **16.0** LUMENS: **1116** EFFICACY: **70** BEAM ANGLE: **20** SPACING CRITERIA: **0.31**



CANDELA TABLE		
	0°	90°
0°	6225	6225
10°	2729	2304
20°	541	468
30°	152	132
40°	44	35
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°	94793162	94793162
45.00°	363733	290943
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	439
10° - 20°	438
20° - 30°	157
30° - 40°	63
40° - 50°	19
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	878	79%
0° - 30°	1034	93%
0° - 40°	1098	98%
0° - 60°	1116	100%
0° - 80°	1116	100%
0° - 90°	1116	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	172.9 fc	2.1 ft	2.1 ft
8.0 ft	97.3 fc	2.8 ft	2.8 ft
10.0 ft	62.3 fc	3.5 ft	3.6 ft
12.0 ft	43.2 fc	4.2 ft	4.3 ft
14.0 ft	31.8 fc	4.8 ft	5.0 ft
16.0 ft	24.3 fc	5.5 ft	5.7 ft
18.0 ft	19.2 fc	6.2 ft	6.4 ft
20.0 ft	15.6 fc	6.9 ft	7.1 ft

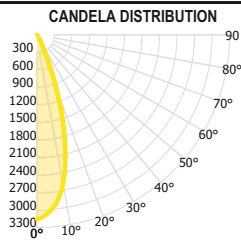
INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																0%	
	80%				70%				50%				30%					
pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
pw	118	118	118	118	115	115	115	115	110	110	110	106	106	106	101	101	101	99
1	114	112	110	109	112	110	108	107	106	105	104	102	102	101	99	98	98	96
2	111	107	104	102	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	93	91	90
4	104	99	95	92	102	97	94	91	96	93	90	94	91	89	92	90	88	87
5	101	95	91	88	99	94	90	88	93	89	87	91	88	86	90	87	85	84
6	98	92	88	85	97	91	87	84	90	86	84	89	86	83	87	85	83	82
7	95	89	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	80	77	83	79	77	82	79	77	81	78	76	75
10	88	82	78	75	87	81	77	75	81	77	75	80	77	75	79	76	74	74

FG-R-T3-1-NFL-40K-90

TEST NO.: **220062**

INPUT WATTS: **15.2** LUMENS: **1185** EFFICACY: **78** BEAM ANGLE: **36** SPACING CRITERIA: **0.55**



CANDELA TABLE		
	0°	90°
0°	3161	3161
10°	2599	2481
20°	1024	822
30°	168	134
40°	37	31
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°	48133608	48133608
45.00°	388714	300203
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	283
10° - 20°	557
20° - 30°	264
30° - 40°	64
40° - 50°	17
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	840	71%
0° - 30°	1104	93%
0° - 40°	1168	99%
0° - 60°	1185	100%
0° - 80°	1185	100%
0° - 90°	1185	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	87.8 fc	3.8 ft	3.9 ft
8.0 ft	49.4 fc	5.1 ft	5.2 ft
10.0 ft	31.6 fc	6.4 ft	6.5 ft
12.0 ft	22.0 fc	7.7 ft	7.8 ft
14.0 ft	16.1 fc	9.0 ft	9.1 ft
16.0 ft	12.3 fc	10.2 ft	10.4 ft
18.0 ft	9.8 fc	11.5 ft	11.7 ft
20.0 ft	7.9 fc	12.8 ft	13.0 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%
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	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	102	99	101	99	97	98	97	95	96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	88
4	102	96	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	85	97	91	87	84	90	86	83	88	85	83	87	84	82	81
6	95	89	84	81	94	88	84	80	86	83	80	85	82	79	84	81	79	78
7	92	85	80	77	91	84	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	74	71	68	74	71	68	67

FG-R-T3-1-FL-40K-90

TEST NO.: **220062**

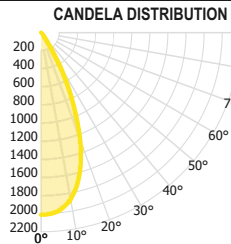
INPUT WATTS: **15.8**

LUMENS: **1207**

EFFICACY: **76**

BEAM ANGLE: **45**

SPACING CRITERIA: **0.74**



CANDELA TABLE

	0°	90°
0°	2012	2012
10°	1873	1773
20°	1261	1112
30°	393	272
40°	52	38
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°	30636846	30636846
45.00°	454397	367178
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	187
10° - 20°	461
20° - 30°	407
30° - 40°	128
40° - 50°	23
50° - 60°	0
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	649	54%
0° - 30°	1056	87%
0° - 40°	1184	98%
0° - 60°	1207	100%
0° - 80°	1207	100%
0° - 90°	1207	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	55.9 fc	5.2 ft	5.3 ft
8.0 ft	31.4 fc	6.9 ft	7.0 ft
10.0 ft	20.1 fc	8.7 ft	8.8 ft
12.0 ft	14.0 fc	10.4 ft	10.6 ft
14.0 ft	10.3 fc	12.2 ft	12.3 ft
16.0 ft	7.9 fc	13.9 ft	14.1 ft
18.0 ft	6.2 fc	15.6 ft	15.9 ft
20.0 ft	5.0 fc	17.4 ft	17.6 ft

INDOOR COEFFICIENTS OF UTILIZATION

	20%																0%			
	80%				70%				50%				30%				10%			
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	118	118	118	118	116	116	116	111	111	111	111	106	106	106	102	102	102	99	99	99
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89
3	104	99	94	91	102	97	93	90	95	92	89	92	90	87	90	88	86	85	85	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	83	87	84	82	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76
6	92	84	79	75	90	83	79	75	82	78	75	81	77	74	79	76	74	72	72	72
7	88	80	75	71	87	79	75	71	78	74	71	77	73	70	76	73	70	69	69	69
8	85	76	71	68	83	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65
9	81	73	68	64	80	72	67	64	72	67	64	71	67	64	70	66	64	62	62	62
10	78	70	65	61	77	69	64	61	68	64	61	68	64	61	67	63	61	60	60	60