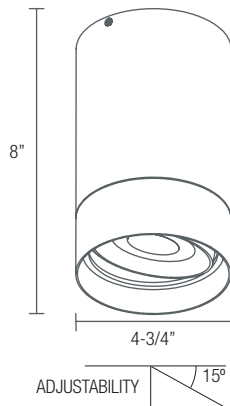


ADJUSTABLE



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2500	2433	28W
2000	1917	17W
1200	1410	14W
900	1006	11W

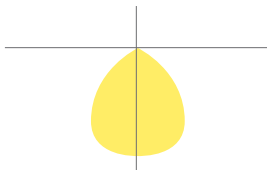
Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

FEATURES

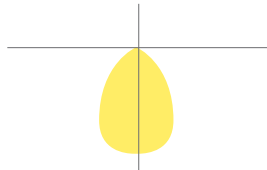
The FPR1-ADJ-LED is an adjustable cylinder that can be rotated 360 degrees and tilted up to 15 degrees. Surface mount design conceals hardware and sits flush in the ceiling for a seamless look. Available in surface mounting, with all necessary mounting hardware included. Multiple beam spreads, finishes, and field-changeable, lockable optics—the FPR1-ADJ easily adapts to a variety of applications including retail, hospitality, commercial, and residential.

LUMENS	900, 1200, 2000, 2500
CCT	30K, 35K, 40K, 50K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTION	Spot (15°), Narrow Flood (24°) Flood (36°), Wide Flood (60°)
MOUNTING	Surface
FINISH	AWH (Architectural White) ABK (Architectural Black)
DIMMING	DIM10 (0-10V Dimming) DIMTR (Triac dimming)
LIFETIME	L70 at 100,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

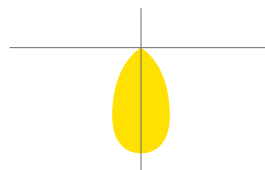
WFL: WIDE FLOOD
Candlepower Distribution Curve



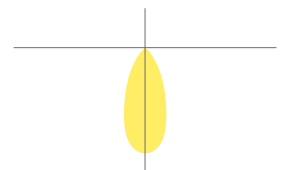
FL: FLOOD
Candlepower Distribution Curve



NFL: NARROW FLOOD
Candlepower Distribution Curve



SP: SPOT
Candlepower Distribution Curve



Reference IES files for additional distribution curve information.



OPTICS

Polycarbonate reflector conceals light source and delivers low-glare, uniform distribution. Field-changeable optics are available in 15, 24, 36, and 60-degree beam spreads.

MOUNTING

Surface mount.

CONSTRUCTION

Extruded aluminum cylinder housing; aluminum internal heatsink. Surface mount option conceals mounting hardware. Ceiling mounting plate constructed of galvanized steel. Post-painted in white, black, and custom RAL colors.

MOUNTING BRACKET AND SUSPENSION SYSTEM

Fixture includes a mounting bracket for direct installation to 4" octagonal box. When mounted to junction box, luminaire sits flush in the ceiling. Consult factory for custom mounting and stem options.

DIMMING & DRIVER INFORMATION

DIM10 - 0-10V dimming on either MVOLT or 120. Dimmable down to 1% standard.

DIMTR - Triac & Electronic Low Voltage (ELV) dimming, available in 120V.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTING

c-UL-us-Listed

BAA & BABA Compliant

Example: FPR1-ADJ-LED-1200L-DIM10-MVOLT-WFL-35K-90-BK							
SERIES	LUMENS	DIMMING	VOLTAGE	OPTICS	CCT/CRI	COLOR	OPTIONS
FPR1-ADJ-LED	900L 1200L 2000L 2500L	- DIMTR - DIM10	120 - MVOLT	- SP (15°) - NS (24°) - FL (36°) - WFL (60°)	30K-90 35K-90 40K-90 50K-90	- BK(Black) - WH(White) Custom colors available. Please consult factory	- BAA (Buy America Act) - BABA (Build America, Buy America Act)

FPR1-ADJ-LED-900L-DIM10-MVOL-FL-35K-90-WH-WH-DL

TEST NO.: **EL011907**

INPUT WATTS: **11.7**

LUMENS: **1005**

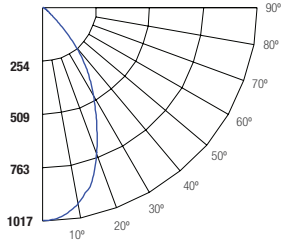
CRI: **90**

EFFICACY: **86**

CCT: **3500K**

SPACING CRITERIA: **0.92**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	332.83	N.A.	33.1
0-30	615.23	N.A.	61.2
0-40	850.52	N.A.	84.6
0-60	996.23	N.A.	99.1
0-80	1004.51	N.A.	100
0-90	1004.98	N.A.	100

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	18795	26020	24822
55	4381	7255	6614
65	508	1603	3216
75	255	445	466
85	128	821	898

Lumens Per Zone

Zone	Lumens
0-10	93.23
10-20	239.6
20-30	282.4
30-40	235.3
40-50	117.45
50-60	28.25
60-70	7.27
70-80	1.01
80-90	0.47

Candela Tabulation

Q	
0	1015.9
5	1002.71
15	884.97
25	613.82
35	377.05
45	118.9
55	22.48
65	1.92
75	0.59
85	0.1
90	0.04

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
	1	113	110	108	105	111	108	106	103	104	102	100	99	97	97	96	94	93				
	2	107	102	97	94	105	100	96	93	97	94	91	84	81	89	91	89	87	85			
	3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78			
	4	95	87	81	77	94	86	81	76	84	79	75	72	75	78	74	78	72	72			
	5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66			
	6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61			
	7	80	71	64	60	79	70	64	59	69	63	59	67	62	59	66	62	58	57			
	8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			
	9	72	62	56	51	71	61	55	51	61	55	51	60	55	51	59	54	51	49			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

FPR1-ADJ-LED-1200L-DIM10-MVOLT-FL-35K-90-BK

TEST NO.: **EL07142025**

INPUT WATTS: **14.1**

LUMENS: **1410**

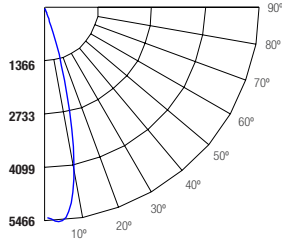
CRI: **90**

EFFICACY: **100**

CCT: **3500K**

SPACING CRITERIA: **0.48**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1215.57	86.2	86.2
0-30	1362.93	96.7	96.7
0-40	1394.28	98.9	98.9
0-60	1409.01	99.9	99.9
0-80	1409.23	100	100
0-90	1409.25	100	100

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	6622	6361	7702
55	668	662	913
65	178	121	81
75	93	66	66
85	79	79	79

Lumens Per Zone

Zone	Lumens
0-10	488.89
10-20	726.68
20-30	147.36
30-40	31.35
40-50	12.24
50-60	2.49
60-70	0.16
70-80	0.06
80-90	0.02

Candela Tabulation

Q	
0	5090.55
5	5209.01
15	2203.83
25	167.18
35	42.34
45	13.68
55	1.12
65	0.22
75	0.07
85	0.02
90	0.02

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%				30%			10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
	1	115	113	111	110	113	111	109	108	107	106	104	103	102	101	100	99	98	97	
	2	111	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	
	3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	
	4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	
	5	102	96	92	89	101	95	92	89	94	91	88	92	90	88	91	89	87	86	
	6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	
	7	96	90	86	83	95	90	86	83	89	85	83	88	85	82	87	84	82	81	
	8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	85	82	80	79	
	9	92	85	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77	
10	89	83	79	76	89	83	79	76	82	79	76	81	78	76	81	78	76	75		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

FPR1-ADJ-LED-2000L-DIM10-MVOLT-FL-35K-90-BK

TEST NO.: **EL05082054**

INPUT WATTS: **17.6**

LUMENS: **1917**

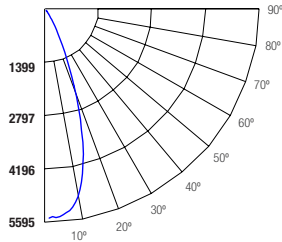
CRI: **90**

EFFICACY: **109**

CCT: **3500K**

SPACING CRITERIA: **0.54**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1360.43	71	71
0-30	1768.54	92.3	92.3
0-40	1879.6	98.1	98.1
0-60	1915.21	99.9	99.9
0-80	1915.54	99.9	99.9
0-90	1915.56	99.9	99.9

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13100	22288	32444
55	2196	4178	4637
65	178	162	146
75	159	159	132
85	79	79	79

Lumens Per Zone

Zone	Lumens
0-10	485.74
10-20	874.68
20-30	408.12
30-40	111.05
40-50	31.09
50-60	4.53
60-70	0.22
70-80	0.1
80-90	0.02

Candela Tabulation

Q	
0	5538.73
5	5356.49
15	3487.8
25	893.38
35	141.43
45	27.06
55	3.68
65	0.22
75	0.12
85	0.02
90	0.02

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
	1	115	112	110	109	112	110	108	107	106	105	104	103	103	101	100	99	98	96			
	2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92			
	3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88			
	4	103	97	93	89	101	96	92	89	94	90	87	88	82	89	87	90	88	86			
	5	99	93	86	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81			
	6	96	91	87	81	97	91	88	84	87	83	80	82	82	80	84	82	79	78			
	7	93	86	81	78	91	85	81	77	84	80	77	83	79	77	82	79	76	75			
	8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	73			
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68				