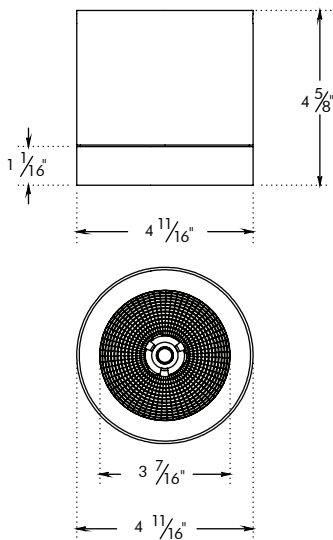




STANDARD FINISHES



NOMINAL UP or DOWN LUMENS	DELIVERED LUMENS	WATTAGE
1000	1005	11W
1500	1418	17W
2000	1922	21W

**FEATURES**

Introducing a compact and versatile LED surface-mounted luminaire designed to provide exceptional lumen output, catering to a wide range of lighting needs. This luminaire seamlessly blends into any design, ensuring optimal illumination for various spaces. With a selection of color temperature options, it effortlessly enhances the entire range of cool and warm tones, making it an ideal choice for commercial, retail, hospitality, or high-end residential settings.

LUMENS	1000, 1500, 2000
CCT	27K, 30K, 35K, 40K, 50K, Warm Dim(3000K-1800K)
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	WD (60°), MWD (45°), MD (30°), SPD(20°), NSPD(10°)
MOUNTING OPTIONS	CM (Ceiling Mount)
BODY FINISHES	WH (White), BK (Black)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), DIMTR
EMERGENCY	10W - Up to 1000L Output (Bodine BSL310) 20W - Up to 2000L Output (Bodine BSL20)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08 and LM80

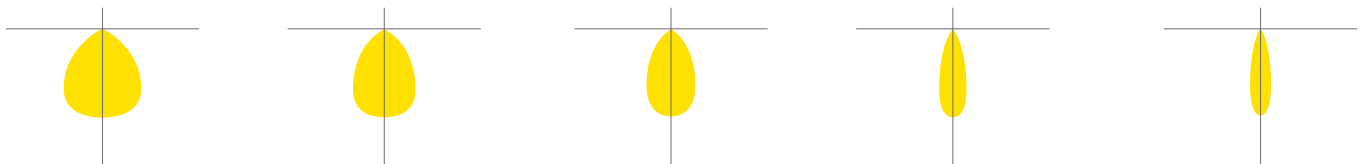
WD: Wide(60°)

MWD: Medium Wide(45°)

MD: Medium(30°)

SPD: Spot(20°)

NSPD: Narrow Spot(10°)



Reference IES files for additional distribution curve information.



### CONSTRUCTION

The cylinder body comes standard with a post-painted mate white finish and die-cast construction for maximum heat dissipation and rust protection.

### THERMAL MANAGEMENT SYSTEM

Die-cast aluminum housing and thermal management system are engineered for extremely long life. Heat sink is attached to top of housing. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradeable.

### DIMMING & DRIVER INFORMATION

**DIM10** - 0-10V dimming on either MVOLT 120, 277. Dimmable down to 1% of initial lumens, standard.

**DIMTR** - Triac & Electronic low voltage dimming. Available in 120V.

### MOUNTING OPTIONS

Ceiling mount bracket provided for direct installation with 3-1/4" to 4" octagonal and square junction box.

### WARRANTY

All Fusion Pendants are designed using a proprietary coolLED Advanced Thermodynamic Design Heat management system is engineered for extremely long life and service period, with a 5-year limited warranty. (Labor not included)

### OPERATING TEMPERATURE

Luminaire must be installed and operated in damp or dry locations where the ambient temperature ranges from -4°F to 104°F (-20°C to 40°C).

### LED DYNAMIC PLATFORM OPTIONS



Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)

### EMERGENCY OPTIONS/CONTROLS

The Remote test switch included. External battery operates LED load (EMG-SDT-LED-10W) of up to 1000L and EMG-LED-20W up to 2000L.

### DRIVER & ELECTRICAL INFORMATION

The LED driver is rated for 50 to 60Hz at 120V/277V, input, produces less than 20%THD, has a power factor between 0.9 and 0.99, and is thermally protected for additional safety

### LISTINGS

- cULus Listed for protected damp locations
- EMI/RFI emissions per FCC 47CFR Part 18 Class B
- RoHS compliant
- Photometric testing completed in accordance with IES LM-79 and TM-30 standards with calculated Life Time: L70 at 102,000 Hours
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference
- ENERGY STAR® certified,

Example: **FPR6-LED-1000L-DIM10-MVOLT-WD-40K-90-S-WH**

SERIES	LUMENS	DRIVER	VOLTAGE	OPTICS DOWN	CCT	CRI	EMERGENCY	Reflector Color	Finish Color
FPR6-LED	<input type="checkbox"/> 1000 <input type="checkbox"/> 1500 <input type="checkbox"/> 2000	<input type="checkbox"/> DIM10 <input type="checkbox"/> DIMTR <sup>1</sup>	<input type="checkbox"/> 120 <input type="checkbox"/> MVOLT	<input type="checkbox"/> WD-60° <input type="checkbox"/> MWD-45° <input type="checkbox"/> MD-30° <input type="checkbox"/> SPD-20° <input type="checkbox"/> NSPD-10°	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K <sup>2</sup> <input type="checkbox"/> Warm Dim 3000K-1800K	<input type="checkbox"/> 90+	<input type="checkbox"/> EMG-LED-10W <input type="checkbox"/> EMG-LED-20W Typical lumen output of the fixture is up to 1000L in emergency mode. Contact the factory for details. Remote mounted installation	<input type="checkbox"/> WH (White)	<input type="checkbox"/> WH (White) <input type="checkbox"/> BK (Black)

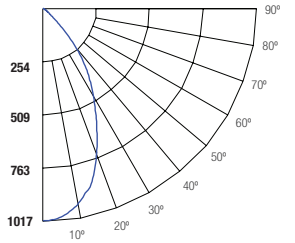
<sup>1</sup> DIMTR is available in 120V only

<sup>2</sup> 50K series are available with 85+ CRI only

**FPR6-LED-1000L-DIMTR-120-60-40K-90-WH**

INPUT WATTS: **11.7** LUMENS: **1005** CRI: **90** EFFICACY: **86** CCT: **4000K** TEST NO.: **EL011907**  
SPACING CRITERIA: **0.92**

**Candle Power Distribution (Candelas)**



Cone of Light			
2	766 fc	1.4 ft	1.4 ft
4	200 fc	2.8 ft	2.8 ft
6	89.7 fc	4.4 ft	4.4 ft
8	49.1 fc	5.8 ft	5.8 ft
10	31.6 fc	7.0 ft	7.1 ft
12	21.5 fc	8.5 ft	8.5 ft

FT: Distance to Plane (F.C.) Initial Footcandle at Nadir (F.T) Beam Vert. Spread (F.T) Beam Horiz. Spread  
BEAM DIA. MEASURED AT 50% OF NADIR F.C.

**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/M<sup>2</sup>)**

Angle in Degrees	Average		
	0°	45°	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**

0	10	15	25	35	45	55	65	75	85	90	
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

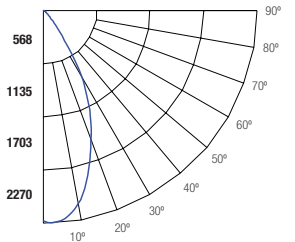
RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100		
1	113	110	108	105	105	100	96	93	97	94	91	91	94	91	89	91	89	91	89	87	85	85		
2	107	102	97	94	105	100	96	93	88	84	80	86	82	88	84	81	85	82	80	78	78	78		
3	101	94	89	85	99	93	88	84	80	76	75	75	82	78	74	80	76	74	72	74	72	66		
4	95	87	81	77	94	86	81	76	84	79	75	75	82	78	74	80	76	74	72	74	72	66		
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66	66	66	66	61		
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61	57		
7	80	71	64	60	79	70	64	59	69	63	59	67	62	59	66	62	58	57	57	57	57	53		
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53	49		
9	72	62	56	51	71	61	55	51	61	55	51	60	55	51	59	54	51	49	49	49	49	45		
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46	42		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

**FPR6-LED-1500L-DIMTR-120-60-40K-90-WH**

INPUT WATTS: **17.9428** LUMENS: **1418** CRI: **90** EFFICACY: **79** CCT: **4000K** TEST NO.: **EL05082054**  
SPACING CRITERIA: **0.76**

**Candle Power Distribution (Candelas)**



Cone of Light			
2	778 fc	1.5 ft	1.5 ft
4	206 fc	2.8 ft	2.8 ft
6	89.9 fc	4.3 ft	4.3 ft
8	50.1 fc	5.8 ft	5.8 ft
10	32.6 fc	7.2 ft	7.1 ft
12	22.5 fc	8.6 ft	8.6 ft

FT: Distance to Plane (F.C.) Initial Footcandle at Nadir (F.T) Beam Vert. Spread (F.T) Beam Horiz. Spread  
BEAM DIA. MEASURED AT 50% OF NADIR F.C.

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	664.56	46.90	46.90
0-30	1124.7	79.30	79.30
0-40	1324.56	93.40	93.40
0-60	1405.82	99.20	99.20
0-80	1416.6	99.90	99.90
0-90	1416.61	99.90	99.90

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average		
	0°	45°	90°
45	4641	5313	6327
55	2425	2274	2358
65	1050	969	1011
75	292	298	343
85	13	19	0

**Lumens Per Zone**

Zone	Lumens
0-10	202.30
10-20	462.26
20-30	460.13
30-40	199.86
40-50	57.22
50-60	24.03
60-70	9.09
70-80	1.69
80-90	0.02

**Candela Tabulation**

0	5	15	25	35	45	55	65	75	85	90	
0	2247.59	5	2142.48	15	1564.31	25	936.43	35	231.67	45	59.92
55	25.40	65	8.10	75	1.38	85	0.02	90	0.02		

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

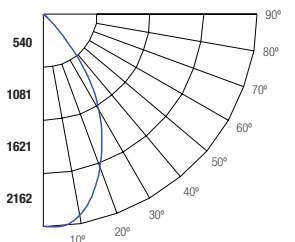
RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100		
1	114	111	109	107	111	109	107	105	105	103	102	102	101	100	99	98	97	98	97	96	94	94		
2	109	104	100	97	106	102	99	96	96	94	92	93	93	91	90	91	90	91	90	89	88	88		
3	103	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83	83	83	83	83		
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	85	82	79	78	78	78	78	78		
5	94	86	81	77	93	85	80	76	84	79	76	82	78	75	80	77	74	73	73	73	73	69		
6	90	82	76	72	88	81	76	72	79	75	71	78	74	71	77	73	70	70	70	70	70	69		
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65	65	65	65	62		
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62	62	62	62	58		
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58	58	58	58	54		
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56	56	56	56	52		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

**FPR6-LED-2000L-DIMTR-120-60-40K-90-WH**

INPUT WATTS: **21.506** LUMENS: **1922** CRI: **90** EFFICACY: **89** CCT: **4000K** TEST NO.: **EL02032108**  
SPACING CRITERIA: **0.90**

**Candle Power Distribution (Candelas)**



Cone of Light			
2	742 fc	1.9 ft	1.9 ft
4	197 fc	3.6 ft	3.7 ft
6	85.8 fc	5.5 ft	5.5 ft
8	47.8 fc	7.3 ft	7.4 ft
10	31.1 fc	9.1 ft	9.2 ft
12	21.4 fc	10.9 ft	11.1 ft

FT: Distance to Plane (F.C.) Initial Footcandle at Nadir (F.T) Beam Vert. Spread (F.T) Beam Horiz. Spread  
BEAM DIA. MEASURED AT 50% OF NADIR F.C.

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	688.63	35.80	35.80
0-30	1274.75	66.30	66.30
0-40	1690.85	88.00	88.00
0-60	1884.47	98.00	98.00
0-80	1918.72	99.80	99.80
0-90	1920.74	99.90	99.90

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average		
	0°	45°	90°
45	10033	11322	14207
55	4520	4954	5526
65	3040	3287	3489
75	1464	1731	2197
85	754	855	1232

**Lumens Per Zone**

Zone	Lumens
0-10	196.10
10-20	492.53
20-30	586.12
30-40	416.10
40-50	143.37
50-60	50.25
60-70	24.51
70-80	9.74
80-90	2.03

**Candela Tabulation**

0	5	15	25	35	45	55	65	75	85	90
0	2143.89	5	2041.54	15	1628.53	25	1148.24	35	4	