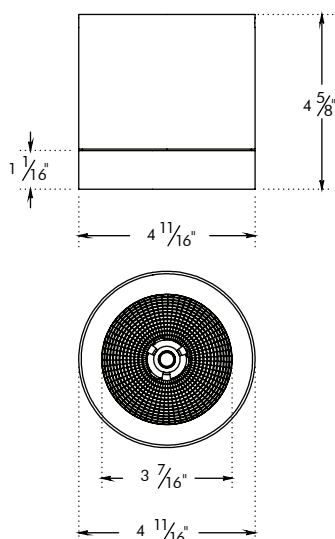




STANDARD FINISHES

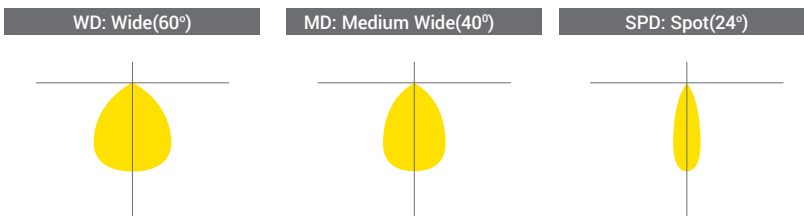


NOMINAL UP or DOWN LUMENS	DELIVERED LUMENS	WATTAGE
1000	1005	11W
1500	1418	17W
2000	1922	21W

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°), MD (40°), SPD(24°)
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



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,
- BAA & BABA Compliant

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

SERIES	LUMENS	DRIVER	VOLTAGE	OPTICS DOWN	CCT	CRI	EMERGENCY	Reflector / Body Color
FPR6-LED	- o 1000 - o 1500 - o 2000	- o DIM10 - o DIMTR ¹	- o 120 - o MVOLT	- o WD-60° - o MD-40° - o SPD-24°	- o 27K - o 30K - o 35K - o 40K - o 50K ² - o Warm Dim 3000K-1800K	o 90+	- o EMG-LED-10W - o EMG-LED-20W Typical lumen output of the fixture is up to 1000L in emergency mode. Contact the factory for details. Remote mounted installation	- o WH (White) - o BK (Black) OPTIONS - o BAA (Buy America Act) - o BABA (Build America, Buy America Act)

¹ DIMTR is available in 120V only

² 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**

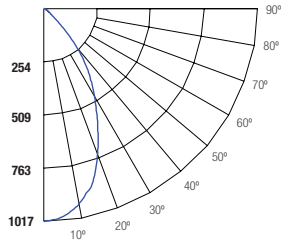
EFFICACY: **86**

CCT: **4000K**

TEST NO.: **EL011907**

SPACING CRITERIA: **0.92**

Candle Power Distribution (Candelas)



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

0	0
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

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

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

INPUT WATTS: **17.9428**

LUMENS: **1418**

CRI: **90**

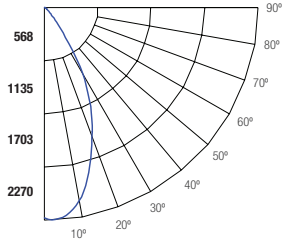
EFFICACY: **79**

CCT: **4000K**

TEST NO.: **EL05082054**

SPACING CRITERIA: **0.76**

Candle Power Distribution (Candelas)



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/M²)

Angle in Degrees	Average 0°	Average 45°	Average 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	0
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

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

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

INPUT WATTS: **21.506**

LUMENS: **1922**

CRI: **90**

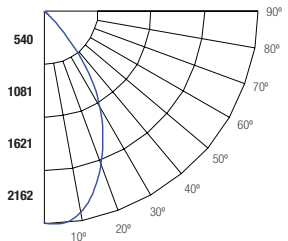
EFFICACY: **89**

CCT: **4000K**

TEST NO.: **EL02032108**

SPACING CRITERIA: **0.90**

Candle Power Distribution (Candelas)



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/M²)

Angle in Degrees	Average 0°	Average 45°	Average 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	0
0	2143.89
5	2041.54
15	1628.53
25	1148.24
35	473.30
45	129.53
55	47.34
65	23.46
75	6.92
85	1.20
90	0.02

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

ROOM CAVITY RATIO	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%
	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	104	104	102	100	100	99	97	97	96	95	93
	2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
	3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79
	4	96	88	82	78	94	87	82	77	85	80	76	83	79	75	81	77	75	73
	5	91	82	76	72	89	81	75	71	79	74	71	78	73	70	76	72	69	68
	6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
	7	82	72	66	61	80	71	65	61	70	65	61	69	64	61	68	63	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	
9	74	64	58	54	73	63	57	53	62	57	53	61	57	53	61	56	53	51	
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	57	53	50	48	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance