

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1200	1057	14W

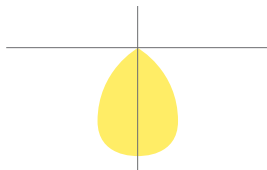
Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

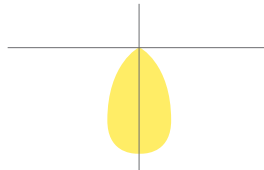
A small profile LED pendant mounted luminaire that delivers optimal lumen output for general illumination, integrating into any design. Available in an array of color temperatures, it can accentuate the full spectrum of cool to warm tones, and is the perfect complement for commercial, retail, hospitality, or high-end residential applications.

LUMENS	1200
CCT	27K, 30K, 35K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTION	Narrow Spot (15°), Flood (30°), Wide Flood (38°)
MOUNTING	Suspended
FINISH	AWH (Architectural White) ABK (Architectural Black) Custom RAL
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

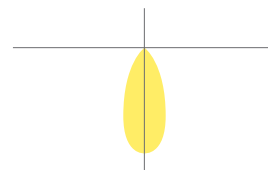
WFL: WIDE FLOOD
Candlepower Distribution Curve



FL: FLOOD
Candlepower Distribution Curve



NS: NARROW SPOT
Candlepower Distribution Curve



Reference IES files for additional distribution curve information.



PERFORMANCE:

Available in 3 color temperatures 2700K, 3000K, 3500K

Crisp White is ideal for retail applications, especially jewelry stores. Our Crisp White technology is designed to accentuate the full spectrum, enhancing cool tones such as blues and greens to be vibrant, and warm tones such as red and orange to be vivid.

Red Glow technology is designed to be used in restaurants and grocery stores, enhancing products in the produce, meat, fish, and poultry departments.

Warm Dim with Smart Dim technology mimics traditional incandescent halogen lighting through dimming. Using Warm Dim, luminaires shift over the black body radiator curve as the light dims, transitioning into the rich amber tones that encourages relaxation. Ideal for hospitality, commercial, and residential applications, it maintains a high lumen output, and comes paired with a high CRI of 90+ that guarantees color consistency within a 2 step MacAdam Ellipse.

CONSTRUCTION:

Post-painted powder coated extruded aluminum body.

OPTICS:

A polycarbonate optical refractor allows for precise beam control and even distribution, with a variety of lumen options. Optics are field changeable and available in NS (Narrow Spot), FL (Flood), and WFL (Wide Flood) options.

FINISH:

Post-painted available in white, black and custom RAL colors.

DIMMING & DRIVER INFORMATION

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

DIMTR - Triac & Electronic low voltage dimming, available in 120V.

MOUNTING BRACKET AND SUSPENSION SYSTEM

Ceiling mount bracket provided for direct installation with 3-1/4" to 4" octagonal and square junction box. Pedant mounted option is supplied with a 10ft. adjustable aircraft cable and power cord, which can be field adjusted for desired length. Please consult factory for custom mounting and stem options.

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.

LISTING

c-UL-us-Listed
BAA & BABA Compliant

Example: **FPR3-LED-1200L-DIM10-MVOLT-WFL-30K-90-WH**

SERIES	LUMENS/DIMMING	OPTICS	CCT	COLOR	OPTIONS
FPR3-LED	1200L-DIMTR-120 1200L-DIM10-MVOLT	- NS (15°) - FL (30°) - WFL (38°)	27K-90 30K-90 35K-90	- BK(Black) - WH(White) Custom colors available. Please consult factory	- BAA (Buy America Act) - BABA (Build America Buy America Act)

FPR3-LED-1200L-DIMTR-10-MVOLT-FL-30K-90-WH

TEST NO.: EL05062008

INPUT WATTS: **14.4806**

LUMENS: **1057**

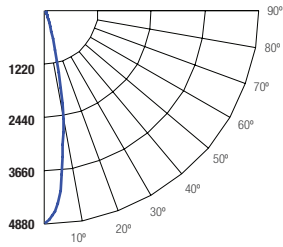
CRI: **90**

EFFICACY: **73**

CCT: **3000K**

SPACING CRITERIA: **0.42**

Candle Power Distribution (Candelas)



Cone of Light				
2	1,662	8.8	8.8	
4	441	1.5	1.5	
6	192	2.2	2.2	
8	107	3.0	3.0	
10	69.7	3.7	3.7	
12	48.0	4.4	4.5	
BEAM DIA. MEASURED AT 50% OF NADIR F.C.				

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	844.96	79.90	79.90
0-30	970.36	91.80	91.80
0-40	1013.09	95.80	95.80
0-60	1048.00	99.10	99.10
0-80	1055.81	99.80	99.80
0-90	1056.26	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2861	10	10
55	12	12	12
65	8	16	16
75	26	20	26
85	79	79	79

Lumens Per Zone

Zone	Lumens
0-10	383.95
10-20	461.01
20-30	125.40
30-40	42.73
40-50	21.72
50-60	13.20
60-70	5.94
70-80	1.86
80-90	0.44

Candela Tabulation

Q	
0	4803.38
5	4133.81
15	1044.50
25	90.06
35	42.01
45	5.91
55	0.02
65	0.01
75	0.02
85	0.02
90	0.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	RW	80%				70%				50%				30%				10%				0%			
		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		106	106	106		102	102	102		100	100	100	100
	1	115	113	111	109	112	111	109	107	107	105	104		103	102	101		99	99	98		98	98	96	96
	2	111	107	104	101	109	105	103	100	102	100	98		99	96	96		97	95	94		94	93	91	93
	3	107	102	99	96	105	101	98	95	99	96	94		96	94	92		94	92	91		89	88	86	86
	4	104	98	94	91	102	97	93	91	95	92	90		93	91	89		92	89	88		87	85	84	84
	5	101	95	90	87	99	94	90	87	92	89	86		91	88	85		89	87	85		84	82	81	81
	6	98	91	87	84	96	91	87	84	89	86	83		88	85	83		87	84	82		81	79	78	78
	7	95	88	84	81	94	88	84	81	87	83	80		86	82	80		85	82	80		79	77	76	76
	8	92	86	81	79	91	85	81	78	84	81	78		83	80	78		82	80	78		77	75	74	74
	9	90	83	79	76	89	83	79	76	82	78	76		81	78	76		80	78	75		74	73	72	72
	10	88	81	77	74	87	81	77	74	80	76	74		79	76	74		79	76	74		73	71	70	70

RC - Ceiling Cavity Reflectance