

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1200	1057	14W

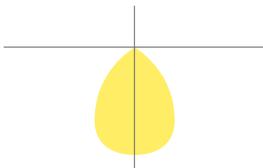
Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

**FEATURES**

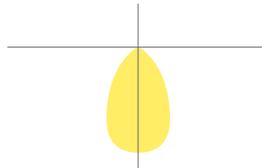
A small profile LED pendant mounted luminaire that delivers optimal lumen output for general illumination, integrating into any design. Available in an array of color temperatures, it can accentuate the full spectrum of cool to warm tones, and is the perfect complement for commercial, retail, hospitality,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

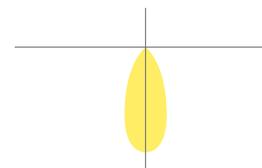
**WFL: WIDE FLOOD**  
Candlepower Distribution Curve



**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

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

SERIES	LUMENS/DIMMING	OPTICS	CCT	COLOR
FPR3-LED	<input type="checkbox"/> 1200L-DIMTR-120 <input type="checkbox"/> 1200L-DIM10-MVOLT	<input type="checkbox"/> NS (15°) <input type="checkbox"/> FL (30°) <input type="checkbox"/> WFL (38°)	<input type="checkbox"/> 27K-90 <input type="checkbox"/> 30K-90 <input type="checkbox"/> 35K-90	<input type="checkbox"/> BK(Black) <input type="checkbox"/> WH(White)  <i>Custom colors available. Please consult factory</i>

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

**TEST NO.: EL05062008**

INPUT WATTS: **14.4806**

LUMENS: **1057**

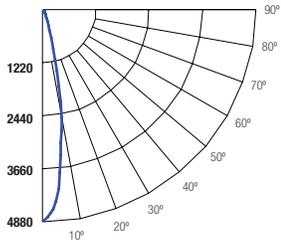
CRI: **90**

EFFICACY: **73**

CCT: **3000K**

SPACING CRITERIA: **0.42**

**Candle Power Distribution (Candelas)**



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

Angle in Degrees	Average		
	0°	45°	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

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.

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%	0%						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96							
2	111	107	104	101	109	105	103	100	102	100	98	99	96	96	97	95	94	93							
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89							
4	104	98	94	91	102	97	93	91	95	92	90	93	91	89	92	89	88	86							
5	101	95	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	84							
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81							
7	95	88	84	81	94	88	84	81	87	83	80	86	82	80	85	82	80	79							
8	92	86	81	79	91	85	81	78	84	81	78	83	80	78	82	80	78	77							
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	80	78	75	74							
10	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	74	73							

RC - Ceiling Cavity Reflectance