

PERFORMANCE:

Available in two color temperatures 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: **FPR4-LED-1200L-DIM10-MVOLT-WFL-30K-90-WH**

SERIES	LUMENS/DIMMING	OPTICS	CCT	COLOR
FPR4-LED	<input type="checkbox"/> 1200L-DIMTR-120 <input type="checkbox"/> 1200L-DIM10-MVOLT <input type="checkbox"/> 1800L-DIMTR-120 <input type="checkbox"/> 1800L-DIM10-MVOLT <input type="checkbox"/> 2200L-DIMTR-120 <input type="checkbox"/> 2200L-DIM10-MVOLT	<input type="checkbox"/> NS (15°) <input type="checkbox"/> FL (30°) <input type="checkbox"/> WFL (38°)	<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>

FPR4-LED-1200L-DIM10-MVOLT-NS-40K-90-WH

TEST NO.: **EL0818104**

INPUT WATTS: **13**

LUMENS: **908**

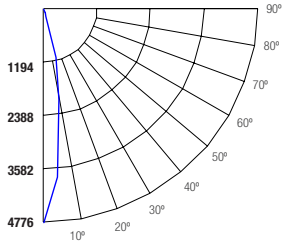
CRI: **90**

EFFICACY: **70**

CCT: **4000K**

SPACING CRITERIA: **0.36**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	662.36	75.80	73.00
0-30	779.38	89.20	85.90
0-40	821.56	94.00	90.50
0-60	870.11	99.60	95.90
0-80	898.86	102.90	99.00
0-90	907.51	103.90	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	588	1645	4826
55	39	597	4741
65	101	56	3184
75	265	165	1748
85	1155	951	95

Lumens Per Zone

Zone	Lumens
0-10	320.22
10-20	342.14
20-30	117.02
30-40	42.18
40-50	27.48
50-60	21.08
60-70	16.68
70-80	12.06
80-90	8.66

Candela Tabulation

θ	Candela
0	4776.19
5	3767.69
15	1109.10
25	87.50
35	10.32
45	3.51
55	0.19
65	0.36
75	0.58
85	0.85
90	0.98

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	1194	0.7	0.7
4	299	1.3	1.4
6	133	2	2.1
8	74.6	2.7	2.8
10	47.8	3.4	3.5
12	33.2	4	4.2

(FT) Distance to Plane (FC) Initial Footcandle at Nadir (FT) Beam Vert. Spread (FT) Beam Horiz. Spread

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

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	124	124	124	124	121	121	121	121	115	115	115	111	111	111	106	106	106	104		
1	118	116	113	111	111	116	113	111	109	109	108	106	105	104	103	102	101	100	98		
2	114	109	106	102	102	111	107	104	101	104	101	99	101	99	97	98	97	95	93		
3	109	104	99	96	96	107	102	98	95	100	96	94	97	94	92	95	93	91	89		
4	106	99	94	91	91	104	98	94	90	96	92	89	94	91	88	92	89	87	86		
5	102	95	90	86	86	100	94	89	86	92	88	85	91	87	85	89	86	84	83		
6	99	91	86	83	83	97	91	86	83	89	85	82	88	84	82	87	84	81	80		
7	96	88	83	80	80	94	88	83	80	86	82	79	85	82	79	84	81	79	77		
8	93	85	81	77	77	92	85	80	77	84	80	77	83	79	76	82	79	76	75		
9	90	83	78	75	75	89	82	78	75	81	77	74	81	77	74	80	76	74	73		
10	88	80	76	73	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance