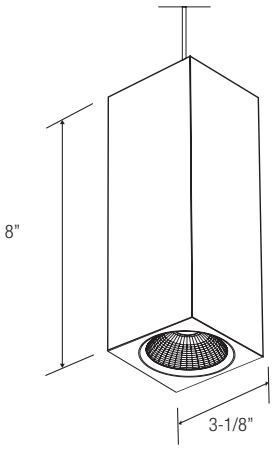
fusion LIGHTING
By Elite Lighting

FPS1-LED
ARCHITECTURAL LED PENDANT



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2200	2506	32.4 W
1800	1862	21.7 W
1200	1198	13.4 W

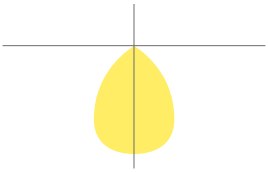
Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

FEATURES

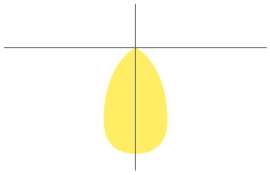
A small profile LED pendant mounted luminaire that delivers optimal lumen output for general illumination, integrating into any design. Available in an array of color temperatures, it can accentuate the full spectrum of cool to warm tones, and is the perfect complement for commercial, retail, hospitality,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

LUMENS	1200, 1800, 22000
CCT	27K, 30K, 35K, 40K, 50K WDM-30K-18K, CW-42K, RG-37K
CRI	90+
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTION	Narrow Spot (15°), Flood (30°), Wide Flood (38°)
MOUNTING	Suspended and pendant mount
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

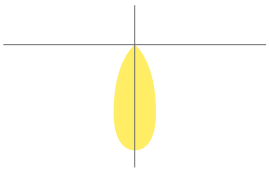
WFL: WIDE FLOOD
Candlepower Distribution Curve



FL: FLOOD
Candlepower Distribution Curve



NS: NARROW SPOT
Candlepower Distribution Curve



Reference IES files for additional distribution curve information.

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PROUDLY ASSEMBLED in AMERICA

QUICKSHIP CONSULT FACTORY

5 YEARS LIMITED WARRANTY

DM190702

PERFORMANCE:
Available in eight color temperatures (CW) Crisp White, (RG) Red Glow, (WDM) Warm Dim and 2700K, 3000K, 3500K, 4000K, and 5000K

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.

MOUNTING:
- Offered in various mounting options including cable, stem and surface
- Cable / Pendant mount supplied with complete canopy assembly and matched to housing finish
- Cables mount Hight can be adjusted in the field up to 10ft.

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 cooLED 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: **FPS1-LED-2200L-DIM10-MVOLT-WFL-30K-90-WH**

SERIES	LUMENS	DIMMING	VOLTAGE	OPTICS	CCT/CRI		COLOR	EMERGENCY	MOUNTING
					DYNAMIC LIGHTING	STANDARD SERIES			
FPS1-LED	❑ 1200L ❑ 1800L ❑ 2200L	❑ DIMTR ❑ DIM10	❑ 120 ❑ MVOLT	❑ NS (15°) ❑ FL (30°) ❑ WFL (38°)	Warm Dim ❑ WDM-30K-18K ---------- Vibrant Series ❑ CW(42K/96/93) ❑ RG(37K/66)	❑ 27K-90 ❑ 30K-90 ❑ 35K-90 ❑ 40K-90 ❑ 50K-85	❑ BK(Black) ❑ WH(White) *Custom colors available. Please consult factory*	❑ O-EMG-LED-10W ❑ O-EMG-LED-20W ***Remote Mount Please consult factory***	❑ SM - Suspended mount up to 10ft ❑ PM12 - Pendant mount up to 12" ❑ PM18 - Pendant mount up to 18" ❑ PM24 - Pendant mount up to 24" ❑ PM36 - Pendant mount up to 36" ❑ PM48 - Pendant mount up to 48"

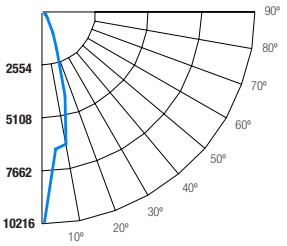
DIMTR is available on only 120V option

FPS1-LED-2200L-DIM10-MVOLT-FL-40K-90-WH

TEST NO.: **EL061859**

INPUT WATTS: **32.4** LUMENS: **2506** CRI: **90** EFFICACY: **77** CCT: **4000K** SPACING CRITERIA: **0.46**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	35.3 fc	8.1 ft
8.0	8.84 fc	16.1 ft
12.0	3.93 fc	24.2 ft
16.0	2.21 fc	32.3 ft
20.0	1.41 fc	40.4 ft
24.0	0.98 fc	48.4 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1820.94	74.90	72.70
0-30	2338.93	96.20	93.30
0-40	2442.99	100.50	97.50
0-60	2490.33	102.50	99.40
0-80	2503.31	103.00	99.90
0-90	2505.76	103.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4278	5033	9625
55	2013	2508	2710
65	1727	1734	2238
75	1721	1984	2095
85	1201	3682	3932

Lumens Per Zone

Zone	Lumens
0-10	699.52
10-20	1121.42
20-30	517.99
30-40	104.06
40-50	34.21
50-60	13.13
60-70	7.97
70-80	5.01
80-90	2.45

Candela Tabulation

	0
0	10215.84
5	9029.99
15	3754.75
25	977.54
35	84.32
45	30.63
55	11.69
65	7.39
75	4.51
85	1.06
90	0.06

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%	0%
ROOM CAVITY RATIO	0	123	123	123	123	120	120	120	120	115	115	115	110	110	110	105	105	105	103
	1	118	116	114	112	116	114	112	110	110	108	107	106	105	104	102	101	101	99
	2	114	110	107	104	112	108	105	103	105	103	100	102	100	98	99	98	96	95
	3	110	105	101	98	108	103	100	97	101	98	95	98	96	94	96	94	92	91
	4	106	100	96	92	104	99	95	92	97	94	91	95	92	90	93	91	89	88
	5	103	96	91	88	101	95	91	88	93	90	87	92	89	86	90	88	86	84
	6	99	92	88	84	98	92	87	84	90	86	83	89	85	83	88	85	82	81
	7	96	89	84	81	95	88	84	81	87	83	80	86	83	80	85	82	80	78
	8	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76
	9	90	83	78	75	89	82	78	75	82	78	75	81	77	75	80	77	74	73
	10	88	80	76	73	87	80	75	73	79	75	72	78	75	72	78	74	72	71

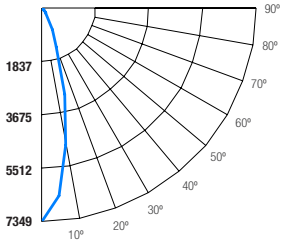
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

FPS1-LED-1800L-DIM10-MVOLT-FL-40K-90-WH

TEST NO.: **EL061863**

INPUT WATTS: **21.7** LUMENS: **1862** CRI: **90** EFFICACY: **86** CCT: **4000K** SPACING CRITERIA: **0.46**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	25.4 fc	8.1 ft
8.0	6.36 fc	16.3 ft
12.0	2.83 fc	24.4 ft
16.0	1.59 fc	32.5 ft
20.0	1.02 fc	40.7 ft
24.0	0.71 fc	48.8 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1387.36	76.60	74.50
0-30	1749.14	96.60	93.90
0-40	1819.66	100.50	97.70
0-60	1852.14	102.30	99.50
0-80	1860.53	102.80	99.90
0-90	1862.22	102.90	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3666	4355	9636
55	1640	2085	2229
65	1377	1419	1877
75	1409	1695	1817
85	1197	3275	3534

Lumens Per Zone

Zone	Lumens
0-10	570.06
10-20	817.30
20-30	361.78
30-40	70.52
40-50	23.95
50-60	8.53
60-70	5.11
70-80	3.28
80-90	1.68

Candela Tabulation

	0
0	7349.16
5	6508.68
15	2736.30
25	721.22
35	57.16
45	20.62
55	7.48
65	4.63
75	2.90
85	0.83
90	0.05

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%	0%
ROOM CAVITY RATIO	0	122	122	122	122	120	120	120	120	114	114	114	109	109	109	105	105	105	103
	1	118	116	114	112	116	114	112	110	109	108	107	106	105	104	102	101	101	99
	2	114	110	107	104	112	108	105	103	105	103	101	102	100	99	99	98	97	95
	3	110	105	101	98	108	104	100	97	101	98	96	99	96	94	96	94	93	91
	4	106	100	96	93	105	99	95	92	97	94	91	95	93	90	94	91	89	88
	5	103	96	92	89	101	96	91	88	94	90	88	92	89	87	91	88	86	85
	6	100	93	88	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82
	7	97	90	85	82	95	89	85	82	88	84	81	87	83	81	86	83	81	79
	8	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77
	9	91	84	79	76	90	83	79	76	83	79	76	82	78	76	81	78	76	75
	10	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	72

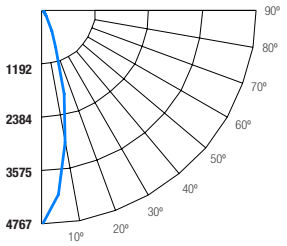
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

FPS1-LED-1200L-DIM10-MVOLT-FL-40K-90-WH

TEST NO.: **EL061856**

INPUT WATTS: **13.4** LUMENS: **1198** CRI: **90** EFFICACY: **89** CCT: **4000K** SPACING CRITERIA: **0.46**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	16.5 fc	8.1 ft
8.0	4.12 fc	16.2 ft
12.0	1.83 fc	24.2 ft
16.0	1.03 fc	32.2 ft
20.0	0.66 fc	40.4 ft
24.0	0.46 fc	48.5 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	894.86	76.20	74.70
0-30	1122.47	95.60	93.70
0-40	1166.47	99.30	97.40
0-60	1189.58	101.30	99.30
0-80	1196.28	101.80	99.90
0-90	1197.51	102.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2119	2311	4769
55	1035	1207	1274
65	865	862	1094
75	794	920	1061
85	453	1700	1915

Lumens Per Zone

Zone	Lumens
0-10	370.22
10-20	524.64
20-30	227.61
30-40	44.00
40-50	16.42
50-60	6.69
60-70	4.10
70-80	2.60
80-90	1.24

Candela Tabulation

	0
0	4767.16
5	4340.53
15	1764.29
25	442.70
35	40.88
45	15.17
55	6.01
65	3.70
75	2.08
85	0.40
90	0.03

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%	0%
ROOM CAVITY RATIO	0	121	121	121	121	119	119	119	119	113	113	113	108	108	108	104	104	104	102
	1	117	115	113	111	115	113	111	109	108	107	106	105	104	103	101	100	100	98
	2	113	109	106	103	111	107	104	102	104	102	100	101	99	98	98	97	96	94
	3	109	104	100	97	107	103	99	96	100	97	95	98	95	93	96	94	92	91
	4	105	100	95	92	104	98	95	92	96	93	91	95	92	90	93	90	89	87
	5	102	96	91	88	101	95	91	88	93	90	87	92	88	86	90	87	85	84
	6	99	92	88	84	97	91	87	84	90	86	84	89	85	83	87	85	82	81
	7	96	89	84	81	95	88	84	81	87	83	81	86	83	80	85	82	80	79
	8	93	86	81	78	92	85	81	78	84	81	78	83	80	78	83	80	77	76
	9	90	83	79	76	89	83	78	76	82	78	75	81	78	75	80	77	75	74
	10	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72

***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*