LITHONIA LIGHTING®

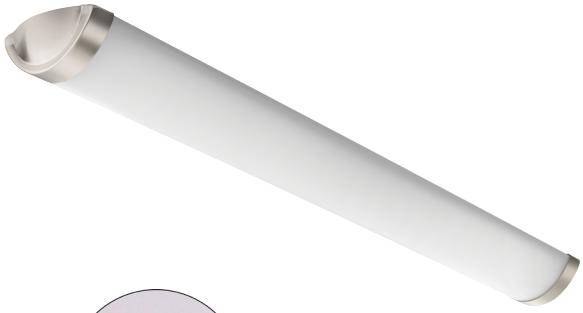
Catalog Number	
Notes	
Type	

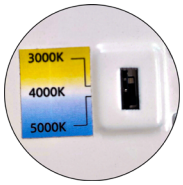
Decorative Indoor

Catenary

Linear Flush Mount with Selectable Color Temperature

LINEAR LED





FEATURES & SPECIFICATIONS

INTENDED USE

Provides an LED lighting platform to deliver general ambient lighting for surface-mount ceiling applications. Light engine delivers long life and excellent color to ensure a quality, low-maintenance light installation. Ideal for use in kitchens, offices, hallways, corridors, foyers, bedrooms, closets, utility work areas and more.

CONSTRUCTION

The Catenary is constructed of an acrylic diffuser flanked by decorative steel end caps in either a brushed nickel finish. The diffuser provides even illumination and softens the appearance of the LEDs for improved aesthetics.

OPTICS

The Catenary has a selectable color temperature switch for 300K, 4000K, and 5000K. The 48IN produces 3800 lumens at 4000K (See Lighting Facts labels for others), both at 50,000 hours life.

The extruded acrylic diffuser minimizes LED image and provides high-angle brightness control.

ELECTRICAL

Long-life LEDs, coupled with a high-efficiency driver, provide extended service life. Standard input = 42 watts, 90 lumens per watt. Fixture is rated to deliver L70 performance at 50,000 hours and operates at 120 volts, 60Hz.

Works with most standard incandescent dimmers (see list of approved dimmers).

LISTINGS

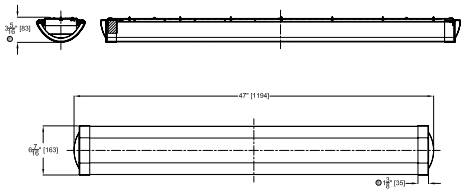
CSA Listed to US and Canadian safety standards. Listed for damp locations. ENERGY STAR® certified.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Specifications	48"
Width:	6.4 (16.3)
Length:	47 (119.4)
Depth:	3.3 (8.3)
Weight:	5.95 (2.7kg)



All dimensions are inches (centimeters) unless otherwise indicated.

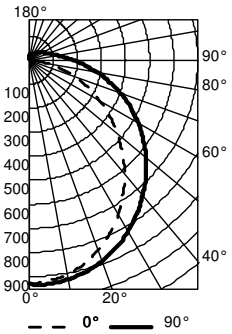
ORDERING INFORMATION For shortest lead times, configure product using **bolded options.**

Example: FMLCCLS 48IN 30K40K50K 90CRI BN

Series	Length	Color temperature	CRI	Finish
FMLCCLS LED Linear Catenary	**48IN** 4' Nominal	30K40K50K	90CRI >90	**BN** Brushed nickel

PHOTOMETRICS

FMLCCLS 48IN 30K 90CRI, 3,180 delivered lumens,test no. ISF 35478 A, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	931	931
5°	922	934
15°	879	911
25°	794	857
35°	678	780
45°	548	684
55°	409	579
65°	270	465
75°	135	341
85°	26	231
90	1	183

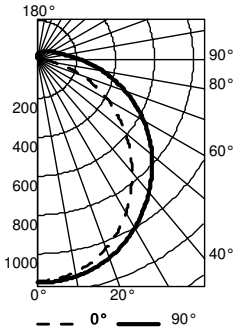
Coefficients of Utilization

pf	80%			70%			20%		
pc							50%		
RCR / pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	117	117	117	113	113	113	106	106	106
1	105	100	95	97	92	88	91	87	84
2	95	86	79	83	77	71	78	73	68
3	86	75	67	73	65	59	69	62	56
4	79	66	57	64	56	49	61	53	48
5	72	59	50	57	49	42	54	47	41
6	67	53	44	52	43	37	49	41	36
7	62	48	39	47	38	32	44	37	32
8	58	44	35	43	35	29	41	33	28
9	54	40	32	39	31	26	37	30	25
10	50	37	29	36	29	23	35	28	23

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	722	22.7	22.7
0° - 40°	1180	37.1	37.1
0° - 60°	2105	66.2	66.2
0° - 90°	2900	91.2	91.2
90° - 120°	190	6.0	6.0
90° - 130°	222	7.0	7.0
90° - 150°	262	8.2	8.2
90° - 180°	280	8.8	8.8
0° - 180°	3180	100.0	100.0

FMLCCLS 48IN 40K 90CRI, 3,905 delivered lumens,test no. ISF 35478 B, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	1143	1143
5°	1132	1145
15°	1078	1114
25°	977	1046
35°	836	947
45°	676	831
55°	505	699
65°	331	556
75°	166	408
85°	33	272
90	1	218

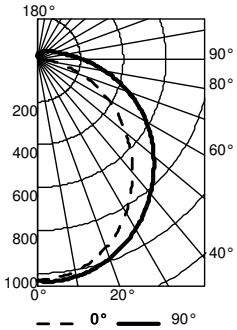
Coefficients of Utilization

pf	80%			70%			20%		
pc							50%		
RCR / pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	117	117	117	113	113	113	106	106	106
1	105	100	95	97	92	88	91	87	84
2	95	86	79	83	77	71	78	73	68
3	86	75	67	73	65	59	69	62	56
4	79	66	57	64	56	49	61	53	48
5	72	59	50	57	49	42	54	47	41
6	67	53	44	52	43	37	49	41	36
7	62	48	39	47	38	32	44	37	32
8	58	44	35	43	35	29	41	33	28
9	54	40	32	39	31	26	37	30	25
10	50	37	29	36	29	23	35	28	23

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	886	22.7	22.7
0° - 40°	1449	37.1	37.1
0° - 60°	2587	66.3	66.3
0° - 90°	3562	91.2	91.2
90° - 120°	231	5.9	5.9
90° - 130°	271	6.9	6.9
90° - 150°	319	8.2	8.2
90° - 180°	343	8.8	8.8
0° - 180°	3905	100.0	100.0

FMLCCLS 48IN 50K 90CRI, 3,544 delivered lumens,test no. ISF 35478 C, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	1034	1034
5°	1025	1039
15°	978	1014
25°	885	955
35°	758	869
45°	615	763
55°	460	649
65°	306	520
75°	154	382
85°	33	259
90	3	205

Coefficients of Utilization

pf	80%			70%			20%		
pc							50%		
RCR / pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	117	117	117	113	113	113	106	106	106
1	105	100	95	96	92	88	91	87	84
2	95	86	79	83	77	71	78	73	68
3	86	75	67	73	65	59	69	62	56
4	79	66	57	64	56	49	61	53	48
5	72	59	50	57	49	42	54	47	41
6	67	53	44	52	43	37	49	41	36
7	62	48	39	47	38	32	44	37	32
8	57	44	35	43	35	29	41	33	28
9	54	40	32	39	31	26	37	30	25
10	50	37	29	36	29	23	35	28	23

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	803	22.7	22.7
0° - 40°	1313	37.0	37.0
0° - 60°	2344	66.2	66.2
0° - 90°	3229	91.1	91.1
90° - 120°	210	5.9	5.9
90° - 130°	247	7.0	7.0
90° - 150°	292	8.2	8.2
90° - 180°	315	8.9	8.9
0° - 180°	3544	100.0	100.0

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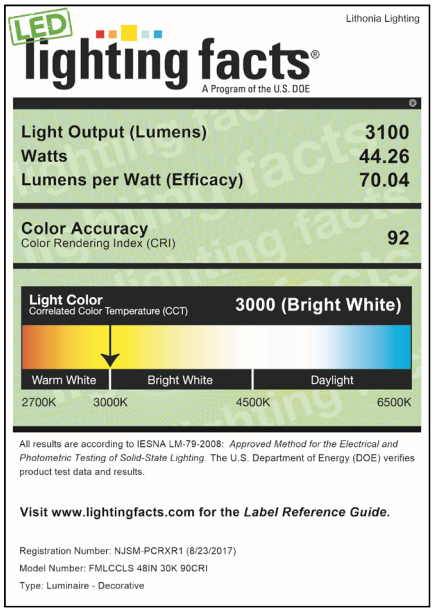
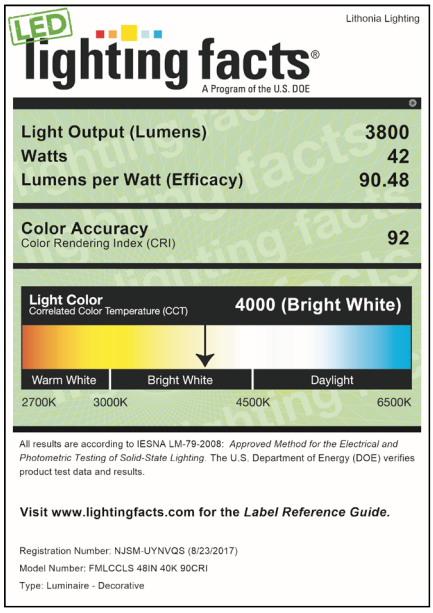
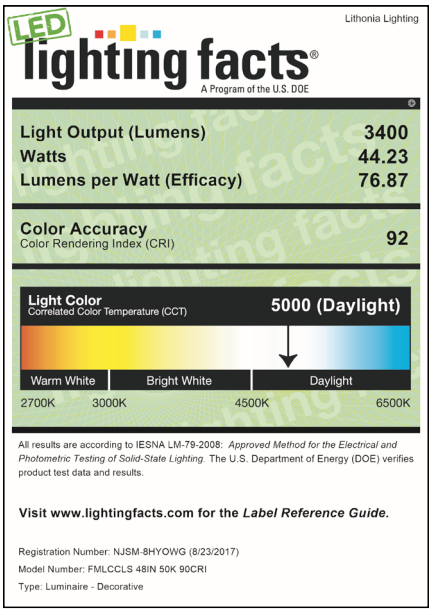
LIGHTING FACTS







COMPATIBLE DIMMERS	
The FMLCCLS is designed to operate with most standard Triac Based dimmers and is not compatible with 0-10v dimming systems. The following is a list of dimmers tested and does not imply any guarantee or warranty of compatibility with a particular application. Unlisted dimmers do not imply non-compatibility.	
Manufacturer	**Part number(s)**
Leviton	6633-PA
Lutron	DV-603P
	S-600-P
Pass & Seymour	HCL453PTCCCV6
Synergy	ISD 600 I 120

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