

## FEATURES & SPECIFICATIONS

### INTENDED USE

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

### CONSTRUCTION

The LED wrap is constructed of a metal housing with decorative plastic end caps. The white polycarbonate diffuser provides even illumination and softens the appearance of the LEDs for a uniform appearance from below the ceiling.

### OPTICS

MVOLT: 2' wrap produces 3,000 lumens and 4' produces 4,500 lumens.

120V: 2' wrap produces 1,400 lumens and the 4' produces 3,000 lumens.

Thermal formed diffuser is of highly transmissive material to minimize lamp image and provides high-angle brightness control. One piece contemporary design wrap around diffuser softens appearance for improved aesthetics.

### ELECTRICAL

Long-life LEDs, coupled with a high-efficiency driver, provide extended service life. Standard input = 29/42 watts (2/4'), 107/111 lumens per watt (2/4'). FMLWL is rated to deliver L70 performance at 60,000 hours. Fixture operates at 120/277 volts, 60Hz. FMLWL MVOLT is 0-10V dimmable.

### LISTINGS

2700K & 3500K UL and 3000K & 4000K CSA to US and Canadian standards. Listed for damp locations.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified

### 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/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

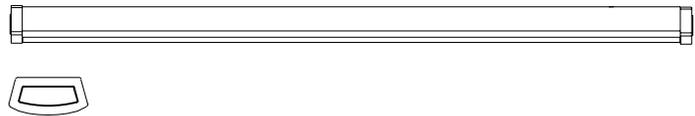
**NOTE:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number
Notes
Type

# FMLWL

## Low Profile LED Wraparound

LINEAR LED



### Specifications

	2'	4'
Width:	5-1/2 (14.0)	5-1/2 (14.0)
Length:	24-1/2 (62.2)	47-2/5 (120.4)
Depth:	2-3/5 (6.6)	2-3/5 (6.6)
Weight:	2.5 lbs (1.0 kg)	5.0 lbs (2.3 kg)

All dimensions are inches (centimeters) unless otherwise indicated.

**CS** Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ specsheet or go to [www.contractorselect.com](http://www.contractorselect.com)

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** FMLWL 48 840 ZT MVOLT

Series		CRI	Color temperature	Dimming	Voltage
FMLWL 24	2' LED Wrap	[Blank] Static White	8 > 85 CRI	27 2700K <sup>1</sup>	[Blank] 120V
FMLWL 48	4' LED Wrap		30 3000K <sup>1</sup>	ZT Non-Dimming	MVOLT 120-277V <sup>2</sup>
			35 3500K	0-10V <sup>2</sup>	
			40 4000K		

Replacement parts
DFMLWL48 4' white polycarbonate diffuser

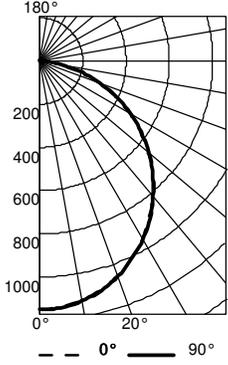
### Notes

- 2700K and 3000K not available with ZT MVOLT.
- ZT and MVOLT options must be ordered together.

# FMLWL LED Linear Flush Mount

## PHOTOMETRICS

FMLWL 24 840 ZT MVOLT, 3,027 delivered lumens

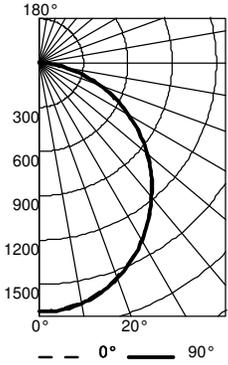


CP Summary		
	0°	90°
0°	1149	1149
5°	1142	1145
15°	1097	1099
25°	1008	1010
35°	883	890
45°	737	740
55°	567	575
65°	385	393
75°	194	206
85°	36	50
90°	0	13

Coefficients of Utilization										
pf	pc	20%						50%		
		80%			70%			50%	30%	10%
pw	RCR	70%	50%	30%	50%	30%	10%	50%	30%	10%
		0	119	119	119	116	116	116	111	111
1	109	104	100	102	98	94	97	94	91	91
2	99	91	84	89	82	77	85	80	75	75
3	90	79	71	78	70	64	75	68	63	63
4	82	70	62	69	61	55	67	59	54	54
5	76	63	54	62	53	47	60	52	46	46
6	70	57	48	56	47	41	54	46	41	41
7	65	51	43	51	42	36	49	41	36	36
8	60	47	38	46	38	32	45	37	32	32
9	56	43	35	42	35	29	41	34	29	29
10	53	40	32	39	32	27	38	31	26	26

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	881	27.7	27.7
0° - 40°	1435	45.0	45.1
0° - 60°	2514	78.9	79.0
0° - 90°	3170	99.5	99.6
90° - 120°	9	0.3	0.3
90° - 130°	9	0.3	0.3
90° - 150°	11	0.4	0.4
90° - 180°	14	0.4	0.4
0° - 180°	3183	99.9	100.0

FMLWL 48 840 ZT MVOLT, 4,492 delivered lumens

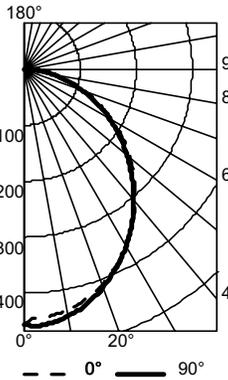


CP Summary		
	0°	90°
0°	1682	1682
5°	1673	1682
15°	1602	1612
25°	1468	1476
35°	1287	1292
45°	1068	1074
55°	818	833
65°	554	572
75°	282	308
85°	50	96
90°	2	38

Coefficients of Utilization										
pf	pc	20%						50%		
		80%			70%			50%	30%	10%
pw	RCR	70%	50%	30%	50%	30%	10%	50%	30%	10%
		0	119	119	119	116	116	116	111	111
1	108	104	99	101	97	94	97	94	91	91
2	99	90	84	88	82	77	85	79	75	75
3	90	79	71	78	70	64	75	68	63	63
4	82	70	62	69	61	54	66	59	54	54
5	76	63	54	62	53	47	59	52	46	46
6	70	57	48	56	47	41	54	46	41	41
7	65	51	43	51	42	36	49	41	36	36
8	60	47	38	46	38	32	45	37	32	32
9	56	43	35	42	35	29	41	34	29	29
10	53	40	32	39	32	27	38	31	26	26

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1287	27.6	27.7
0° - 40°	2091	44.9	45.0
0° - 60°	3652	78.5	78.6
0° - 90°	4615	99.2	99.3
90° - 120°	20	0.4	0.4
90° - 130°	22	0.5	0.5
90° - 150°	27	0.6	0.6
90° - 180°	33	0.7	0.7
0° - 180°	4648	99.9	100.0

FMLWL 24 840, 1,400 delivered lumens

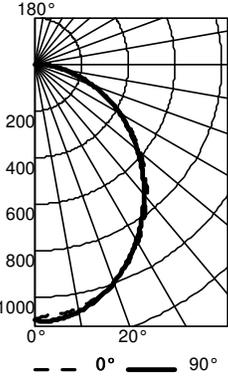


CP Summary		
	0°	90°
0°	455	455
5°	444	457
15°	425	434
25°	388	390
35°	338	336
45°	278	272
55°	215	208
65°	146	142
75°	77	80
85°	16	29
90°	1	14

Coefficients of Utilization										
pf	pc	20%						50%		
		80%			70%			50%	30%	10%
pw	RCR	70%	50%	30%	50%	30%	10%	50%	30%	10%
		0	119	119	119	116	116	116	111	111
1	109	104	99	101	98	94	97	94	91	91
2	99	91	84	89	82	77	85	80	75	75
3	90	80	72	78	70	64	75	68	63	63
4	83	71	62	69	61	55	67	60	54	54
5	76	63	54	62	54	47	60	52	47	47
6	70	57	48	56	48	42	54	47	41	41
7	65	52	43	51	43	37	49	42	36	36
8	61	47	39	47	39	33	45	38	33	33
9	57	43	35	43	35	30	42	34	29	29
10	53	40	32	40	32	27	39	32	27	27

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	344	28.4	28.4
0° - 40°	554	45.8	45.8
0° - 60°	952	78.7	78.7
0° - 90°	1202	99.3	99.3
90° - 120°	8	0.6	0.6
90° - 130°	8	0.7	0.7
90° - 150°	8	0.7	0.7
90° - 180°	8	0.7	0.7
0° - 180°	1210	100.0	100.0

FMLWL 48 840, 3,000 delivered lumens



CP Summary		
	0°	90°
0°	1097	1097
5°	1078	1099
15°	1035	1042
25°	946	937
35°	817	800
45°	671	651
55°	511	497
65°	349	342
75°	189	192
85°	41	72
90°	2	37

Coefficients of Utilization										
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		0	119	119	119	116	116	116	111	111
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3	90	80	72	78	71	64	75	69	63	63
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6	70	57	48	56	48	42	54	47	41	41
7	65	52	43	51	43	37	49	42	37	37
8	61	47	39	47	39	33	45	38	33	33
9	57	44	35	43	35	30	42	35	30	30
10	53	40	32	40	32	27	39	32	27	27

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	830	28.5	28.5
0° - 40°	1335	45.9	45.9
0° - 60°	2292	78.8	78.8
0° - 90°	2892	99.5	99.5
90° - 120°	15	0.5	0.5
90° - 130°	15	0.5	0.5
90° - 150°	15	0.5	0.5
90° - 180°	15	0.5	0.5
0° - 180°	2907	100.0	100.0

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MVOLT: 2' wrap produces 3,000 lumens and 4' produces 4,500 lumens.

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Long-life LEDs, coupled with a high-efficiency driver, provide extended service life. Standard input = 29/42 watts (2/4'), 107/111 lumens per watt (2/4'). FMLWL is rated to deliver L70 performance at 60,000 hours. Fixture operates at 120/277 volts, 60Hz. FMLWL MVOLT is 0-10V dimmable.

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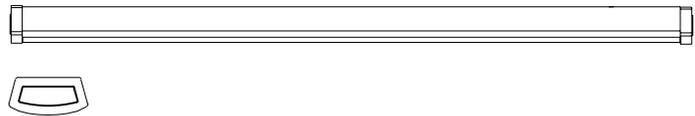
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# FMLWL

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Depth:	2-3/5 (6.6)	2-3/5 (6.6)
Weight:	2.5 lbs (1.0 kg)	5.0 lbs (2.3 kg)

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FMLWL 48	4' LED Wrap		30 3000K <sup>1</sup>	ZT Non-Dimming	MVOLT 120-277V <sup>2</sup>
			35 3500K	0-10V <sup>2</sup>	
			40 4000K		

Replacement parts
DFMLWL48 4' white polycarbonate diffuser

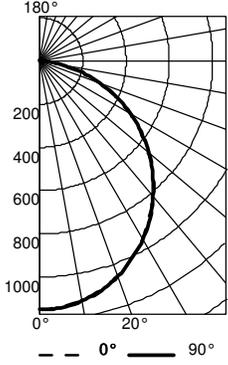
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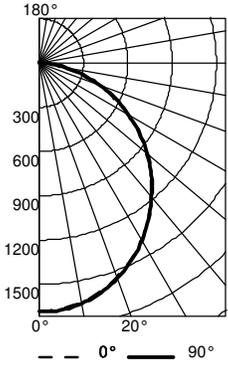


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15°	1097	1099
25°	1008	1010
35°	883	890
45°	737	740
55°	567	575
65°	385	393
75°	194	206
85°	36	50
90°	0	13

Coefficients of Utilization											
pf	pc	20%						50%			
		80%			70%			50%	30%	10%	
		pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111		
1	109	104	100	102	98	94	97	94	91		
2	99	91	84	89	82	77	85	80	75		
3	90	79	71	78	70	64	75	68	63		
4	82	70	62	69	61	55	67	59	54		
5	76	63	54	62	53	47	60	52	46		
6	70	57	48	56	47	41	54	46	41		
7	65	51	43	51	42	36	49	41	36		
8	60	47	38	46	38	32	45	37	32		
9	56	43	35	42	35	29	41	34	29		
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Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	881	27.7	27.7
0° - 40°	1435	45.0	45.1
0° - 60°	2514	78.9	79.0
0° - 90°	3170	99.5	99.6
90° - 120°	9	0.3	0.3
90° - 130°	9	0.3	0.3
90° - 150°	11	0.4	0.4
90° - 180°	14	0.4	0.4
0° - 180°	3183	99.9	100.0

FMLWL 48 840 ZT MVOLT, 4,492 delivered lumens

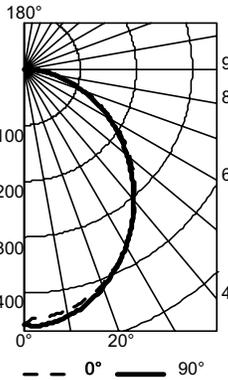


CP Summary		
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0°	1682	1682
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15°	1602	1612
25°	1468	1476
35°	1287	1292
45°	1068	1074
55°	818	833
65°	554	572
75°	282	308
85°	50	96
90°	2	38

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		pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111		
1	108	104	99	101	97	94	97	94	91		
2	99	90	84	88	82	77	85	79	75		
3	90	79	71	78	70	64	75	68	63		
4	82	70	62	69	61	54	66	59	54		
5	76	63	54	62	53	47	59	52	46		
6	70	57	48	56	47	41	54	46	41		
7	65	51	43	51	42	36	49	41	36		
8	60	47	38	46	38	32	45	37	32		
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0° - 60°	3652	78.5	78.6
0° - 90°	4615	99.2	99.3
90° - 120°	20	0.4	0.4
90° - 130°	22	0.5	0.5
90° - 150°	27	0.6	0.6
90° - 180°	33	0.7	0.7
0° - 180°	4648	99.9	100.0

FMLWL 24 840, 1,400 delivered lumens

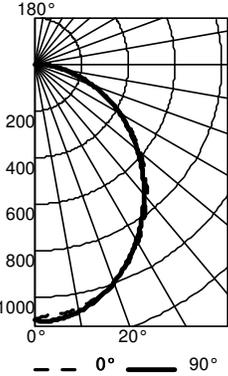


CP Summary		
	0°	90°
0°	455	455
5°	444	457
15°	425	434
25°	388	390
35°	338	336
45°	278	272
55°	215	208
65°	146	142
75°	77	80
85°	16	29
90°	1	14

Coefficients of Utilization											
pf	pc	20%						50%			
		80%			70%			50%	30%	10%	
		pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111		
1	109	104	99	101	98	94	97	94	91		
2	99	91	84	89	82	77	85	80	75		
3	90	80	72	78	70	64	75	68	63		
4	83	71	62	69	61	55	67	60	54		
5	76	63	54	62	54	47	60	52	47		
6	70	57	48	56	48	42	54	47	41		
7	65	52	43	51	43	37	49	42	36		
8	61	47	39	47	39	33	45	38	33		
9	57	43	35	43	35	30	42	34	29		
10	53	40	32	40	32	27	39	32	27		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	344	28.4	28.4
0° - 40°	554	45.8	45.8
0° - 60°	952	78.7	78.7
0° - 90°	1202	99.3	99.3
90° - 120°	8	0.6	0.6
90° - 130°	8	0.7	0.7
90° - 150°	8	0.7	0.7
90° - 180°	8	0.7	0.7
0° - 180°	1210	100.0	100.0

FMLWL 48 840, 3,000 delivered lumens



CP Summary		
	0°	90°
0°	1097	1097
5°	1078	1099
15°	1035	1042
25°	946	937
35°	817	800
45°	671	651
55°	511	497
65°	349	342
75°	189	192
85°	41	72
90°	2	37

Coefficients of Utilization											
pf	pc	20%						50%			
		80%			70%			50%	30%	10%	
		pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111		
1	109	104	100	101	98	94	97	94	91		
2	99	91	84	89	82	77	85	80	75		
3	90	80	72	78	71	64	75	69	63		
4	83	71	62	69	61	55	67	60	54		
5	76	63	54	62	54	47	60	53	47		
6	70	57	48	56	48	42	54	47	41		
7	65	52	43	51	43	37	49	42	37		
8	61	47	39	47	39	33	45	38	33		
9	57	44	35	43	35	30	42	35	30		
10	53	40	32	40	32	27	39	32	27		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	830	28.5	28.5
0° - 40°	1335	45.9	45.9
0° - 60°	2292	78.8	78.8
0° - 90°	2892	99.5	99.5
90° - 120°	15	0.5	0.5
90° - 130°	15	0.5	0.5
90° - 150°	15	0.5	0.5
90° - 180°	15	0.5	0.5
0° - 180°	2907	100.0	100.0