LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FMLWL

Low Profile LED Wraparound

LINEAR LED



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 4,600 lumens, both at 50,000 hours life.

120V: 2'wrap produces 1,400 lumens and the 4' produces 2,900 lumens, both at 50,00 hours life.

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 soften 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 50,000 hours. Fixture operates at 120/277 volts, 60Hz. FMLWL MVOLT is 0-10V dimmable.

LISTINGS

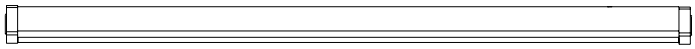
UL certified to US and Canadian standards. Listed for damp locations.

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 to confirm which versions are qualified

WARRANTY

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

	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.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** FMLWL 48 840 ZT MVOLT

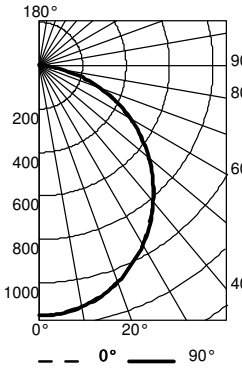
Series			CRI		Color temperature		Dimming		Voltage	
FMLWL 24	2' LED Wrap	[Blank]	Static White	8	> 85 CRI	27	2700K[1]	[Blank]	Non-Dimming	[Blank]	120V
FMLWL 48	4' LED Wrap					30	3000K	ZT	0-10V	MVOLT	120-277V
						35	3500K[1]				
						40	4000K				

Replacement parts	
DFMLWL24	2' white polycarbonate diffuser
DFMLWL48	4' white polycarbonate diffuser

Notes
1. Non-stock color temperature for 2" fixture. 90-day lead time; minimum 50 order quantity.

PHOTOMETRICS

FMLWL 24 840 ZT MVOLT, 3,186 delivered lumens,test no. LCZP18050041



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

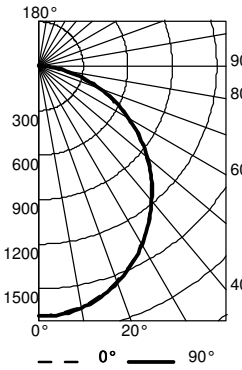
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
RCR	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		
10		53	40	32	39	32	27	38	31	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, 4,654 delivered lumens,test no. LCZP18050036



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

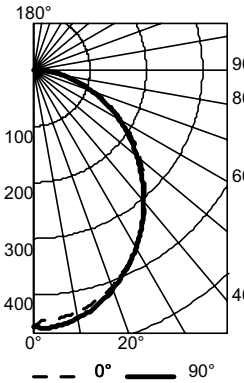
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
RCR	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		
9		56	43	35	42	35	29	41	34	29		
10		53	40	32	39	32	27	38	31	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, 1,200 delivered lumens,test no. LTL25857



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

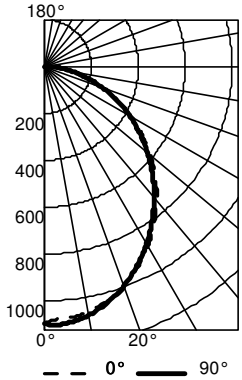
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
RCR	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, 2,900 delivered lumens,test no. LTL25859P1



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			20%								
	pc	80%			70%			50%				
RCR	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

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FMLWL

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LINEAR LED



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 4,600 lumens, both at 50,000 hours life.

120V: 2'wrap produces 1,400 lumens and the 4' produces 2,900 lumens, both at 50,00 hours life.

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 soften 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 50,000 hours. Fixture operates at 120/277 volts, 60Hz. FMLWL MVOLT is 0-10V dimmable.

LISTINGS

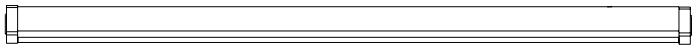
UL certified to US and Canadian standards. Listed for damp locations.

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WARRANTY

5-year limited warranty. Complete warranty terms located at:
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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

	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.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** FMLWL 48 840 ZT MVOLT

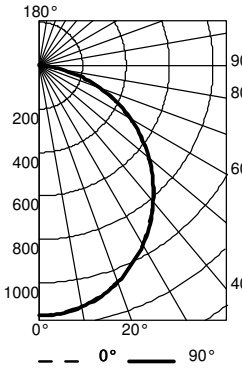
Series			CRI		Color temperature		Dimming		Voltage	
FMLWL 24	2' LED Wrap	[Blank]	Static White	8	> 85 CRI	27	2700K[1]	[Blank]	Non-Dimming	[Blank]	120V
FMLWL 48	4' LED Wrap					30	3000K	ZT	0-10V	MVOLT	120-277V
						35	3500K[1]				
						40	4000K				

Replacement parts	
DFMLWL24	2' white polycarbonate diffuser
DFMLWL48	4' white polycarbonate diffuser

Notes
1. Non-stock color temperature for 2" fixture. 90-day lead time; minimum 50 order quantity.

PHOTOMETRICS

FMLWL 24 840 ZT MVOLT, 3,186 delivered lumens,test no. LCZP18050041



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

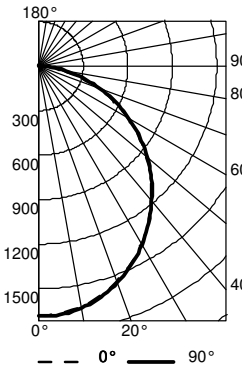
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
RCR	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		
10		53	40	32	39	32	27	38	31	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, 4,654 delivered lumens,test no. LCZP18050036



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

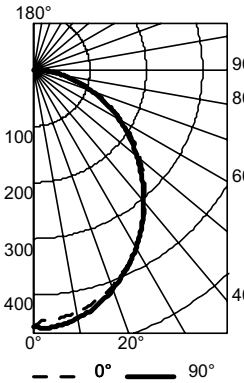
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
RCR	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		
9		56	43	35	42	35	29	41	34	29		
10		53	40	32	39	32	27	38	31	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, 1,200 delivered lumens,test no. LTL25857



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

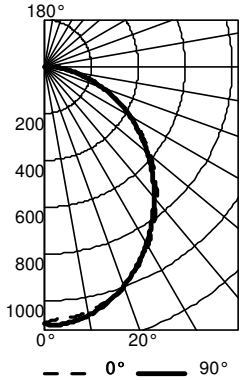
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
RCR	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, 2,900 delivered lumens,test no. LTL25859P1



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			20%								
	pc	80%			70%			50%				
RCR	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

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