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FMLWL48840 4' LED WRAP 40K 2900LM

LITHONIA LIGHTING - ACUITY

Catalog Number	FMLWL48840
Manufacturer	LITHONIA LIGHTING - ACUITY
Description	LED Wrap, 120 V, 40 W, Metal (Housing);Plastic (End Cap) Material, White, 4000 K, >80, 50000 h Average Life, Lamp Included, Non Dimmable, 60 Hz, Gloss, 2380 lm Brightness (Lumens), 47-2/5 in Length, 5-1/2 in Width, 2-3/5 in Height, 5 lb
Weight per unit	5.4 (lbs/each)
Product Category	Led Surface Architectural & Sp

Features

Hardware	Yes
Lamp Type	LED - Static
Material	Steel
Power Source	Hardwired
Shape	Rectangular
Voltage Rating	120 V
Warranty	5
Wattage	42
Average Life	60,000
Dimensions	47.4 x 5.5 x 2.6
Lumens	2900 LM
Pallet Quantity	112

Material, Color, and Finish

Lens Color	WHITE
Lens Material	Polycarbonate
Style	CONTEMPORARY
Color Rendering Index (Cri)	80-89

Dimensions and Weight

Height	2.58
Length	47.36
Width	5.48

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Descriptions

Description	4' LED WRAP 40K 2900LM
Features	Contractor Select
Long Description	The Lithonia Lighting FMLWL Low-Profile LED Wraparound provides efficient, long-lasting general illumination for surface-mount ceiling and wall applications. This low-profile LED wrap light features a contemporary wraparound design with a white polycarbonate diffuser that delivers even, comfortable illumination while minimizing the appearance of individual LEDs. Comes in 4-foot length, with outputs up to 4,500 lumens, the FMLWL is ideal for closets, hallways, foyers, corridors, bedrooms, offices, utility a
Product Type	Wraparound
	Wraparound, 48IN, 85 Cri, 4000K
Extra Long Description	LITH FMLWL 48 840 Wraparound, 48IN,

Manufacturer Information

Brand	Acuity Brands
GTIN	00888791197969
UPC	784231

Taxonomies, Classifications, and Categories

Category Description	LED ARCHITECTURAL & SPECIFICATION LIGHTING
Type	Wraparound

Trade Size

Aperture Size	4FT

Packaging

Carton	1
Weight Per Each	5.4 (lbs/each)

Uses, Certifications, and Standards

Application	Government,Hospitality,Offices & Banks,Residential,Utility, Closet
Mounting	SURFACE
Environmental Conditions	Indoor
Standard	cUL,UL

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

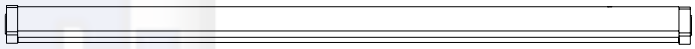
UL certified to US and Canadian standards. Listed for damp locations.

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

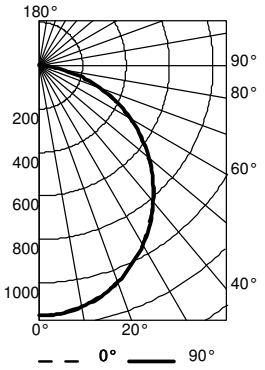
Series			CRI		Color temperature		Dimming		Voltage	
FMLWL 24	2' LED Wrap	[Blank]	Static White	8	> 85 CRI	27	2700K[1]	[Blank]	Non-Dimming	[Blank]	120V
FMLWL 48	4' LED Wrap					30	3000K	ZT	0-10V	MVOLT	120-277V
						35	3500K[1]				
						40	4000K				

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

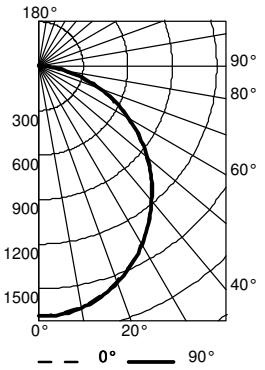
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%		
RCR	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

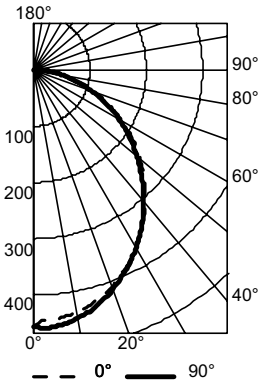
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%		
RCR	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

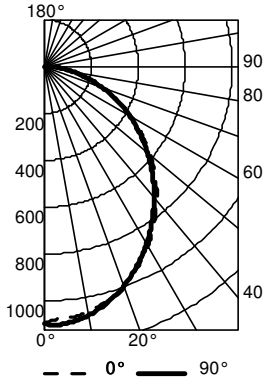
Coefficients of Utilization

	pf			20%								
	pc	80%			70%			50%				
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%		
RCR	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%				
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%		
RCR	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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