

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 highangle 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 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 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-

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			
Туре			









Specifications

<u>2'</u> <u>4'</u> 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	Ex	cample: FMLWL 48 840 ZT MVOLT			
Series		CRI	Color temperature	Dimming	Voltage
FMLWL 24 2' LED Wrap FMLWL 48 4' LED Wrap	[Blank] Static White	8 > 85 CRI	27 2700K ¹ 30 3000K ¹ 35 3500K 40 4000K	[Blank] Non-Dimming ZT 0-10V ²	[Blank] 120V MVOLT 120-277V ²

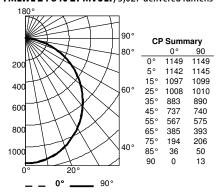
Replacement parts DFMLWL48 4' white polycarbonate diffuser

- 1. 2700K and 3000K not available with ZT MVOLT.
- 2. ZT and MVOLT options must be ordered together.

DECORATIVE RESIDENTIAL FMLWL

PHOTOMETRICS

FMLWL 24 840 ZT MVOLT, 3,027 delivered lumens

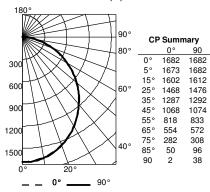


Coefficients of Utilization

		-					•••		
pf				2	0%				
рс		80%			70%			50%	
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
r 4	82	70	62	69	61	55	67	59	54
HOH 5	76	63	54	62	53	47	60	52	46
^щ 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, 4,492 delivered lumens

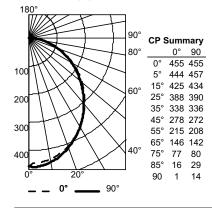


Coefficients of Utilization

pf				2	:0%				
рс		80%			70%			50%	
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
m 4	82	70	62	69	61	54	66	59	54
HCR 5 c	76	63	54	62	53	47	59	52	46
щ 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						

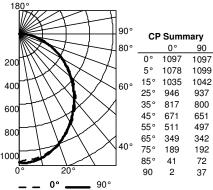
FMLWL 24 840, 1,400 delivered lumens



Coefficients of Utilization

Pι					.0 /0								
рс		80%			70%			50%		Zor	nal Lume	n Summa	ry
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%	Zone	Lumens	% Lamp	% Fixture
0	119	119	119	116	116	116	111	111	111	0° - 30°	344	28.4	28.4
1	109	104	99	101	98	94	97	94	91	0° - 40°	554	45.8	45.8
2	99	91	84	89	82	77	85	80	75	0° - 60°	952	78.7	78.7
3	90	80	72	78	70	64	75	68	63	0° - 90°	1202	99.3	99.3
జ ⁴ 05	83	71	62	69	61	55	67	60	54	90° - 120°	8	0.6	0.6
ენ 5	76	63	54	62	54	47	60	52	47	90° - 130°	8	0.7	0.7
^щ 6	70	57	48	56	48	42	54	47	41	90° - 150°	8	0.7	0.7
7	65	52	43	51	43	37	49	42	36	90° - 180°	8	0.7	0.7
8	61	47	39	47	39	33	45	38	33	0° - 180°	1210	100.0	100.0
9	57	43	35	43	35	30	42	34	29				
10	53	40	32	40	32	27	39	32	27				

FMLWL 48 840, 3,000 delivered lumens



Coefficients of Utilization

pf				2	20%								
рс		80%			70%			50%		Zor	nal Lume	n Summa	ry
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%	Zone	Lumens	% Lamp	% Fixture
0	119	119	119	116	116	116	111	111	111	0°-30°	830	28.5	28.5
1	109	104	100	101	98	94	97	94	91	0°-40°	1335	45.9	45.9
2	99	91	84	89	82	77	85	80	75	0°-60°	2292	78.8	78.8
3	90	80	72	78	71	64	75	69	63	0°-90°	2892	99.5	99.5
_~ 4	83	71	62	69	61	55	67	60	54	90° - 120°	15	0.5	0.5
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7	65	52	43	51	43	37	49	42	37	90° - 180°	15	0.5	0.5
8	61	47	39	47	39	33	45	38	33	0°-180°	2907	100.0	100.0
9	57	44	35	43	35	30	42	35	30				
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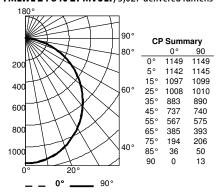
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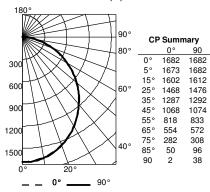


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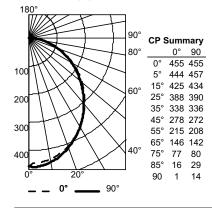


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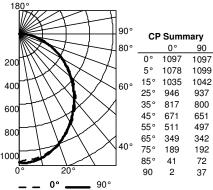
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ენ 5	76	63	54	62	54	47	60	52	47	90° - 130°	8	0.7	0.7
^щ 6	70	57	48	56	48	42	54	47	41	90° - 150°	8	0.7	0.7
7	65	52	43	51	43	37	49	42	36	90° - 180°	8	0.7	0.7
8	61	47	39	47	39	33	45	38	33	0° - 180°	1210	100.0	100.0
9	57	43	35	43	35	30	42	34	29				
10	53	40	32	40	32	27	39	32	27				

FMLWL 48 840, 3,000 delivered lumens



Coefficients of Utilization

pf	20%													
рс	80%				70%			50%		Zonal Lumen Summary				
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%	Zone	Lumens	% Lamp	% Fixture	
0	119	119	119	116	116	116	111	111	111	0°-30°	830	28.5	28.5	
1	109	104	100	101	98	94	97	94	91	0°-40°	1335	45.9	45.9	
2	99	91	84	89	82	77	85	80	75	0°-60°	2292	78.8	78.8	
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9	57	44	35	43	35	30	42	35	30					
10	53	40	32	40	32	27	39	32	27					