

EATON - METALUX® AP SERIES

DESCRIPTION - LOW PROFILE MODEL

WPLD series is a versatile LED wraparound series with a streamlined low profile design that displays uniform, soft light at up to 60% energy savings over fluorescent light sources. Mounting slots allow for installation directly into the junction box with 100° of rotational freedom. Available features include suspension mount capable with optional mounting kit, 95 CRI, dimming to 10%, and up to 104 lumens per watt of energy used.

These features make the WPLD series an ideal choice for light commercial, retail or residential applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES - LOW PROFILE MODEL

Construction

Housing consists of cold rolled steel with embosses for extra rigidity. Post-fab painted with reflective, baked-on white enamel using pretreated metal to ensure maximum adhesion. End caps formed from a high-impact polymer plastic for finished aesthetic. Smooth white lens provides soft, uniform, glare-free light output.

Installation

Mounting slots for ease of wiring connection within the junction box. Suitable for single surface or suspension mount applications.

Electrical

Long-Life integrated LED and driver electrical system optimized to deliver superior performance and efficacy up to 104 LPW. Clean 4000K or warmer 3500K Correlated Color Temp with optional 95 CRI LED's for accurate color rendering. The WPLD series offers Triac or 0-10V dimming of the fixture from 10-100%. Optics deliver controlled light output up to 4000 lumens; comparable to a 2 LFL lamp wraparound.

Reliability

Five year comprehensive fixture warranty. LED's optimized to deliver superior performance and efficacy up to 104 LPW. Clean 4000K or warmer 3500K Correlated Color Temp with optional 95 CRI LED's for accurate color rendering.

Qualifications

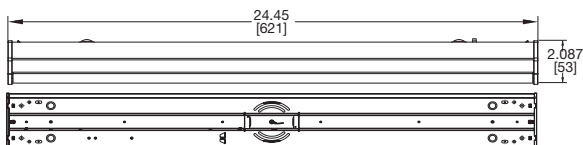
cULus 1598 listed for damp locations. Energy Star Certified for 120V versions. Meets FCC part 15 class B requirements. Complies with IESNA LM-79 test standards. RoHS compliant.



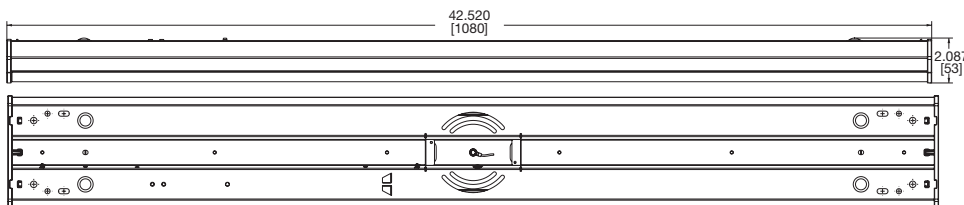
WPLD

Low profile models
LED Wraparound

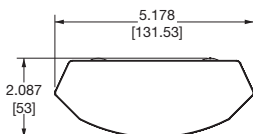
DIMENSION - LOW PROFILE MODELS



2 ft. Dimensions

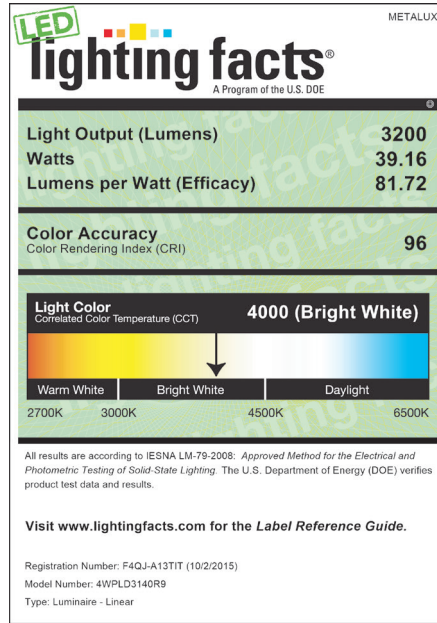
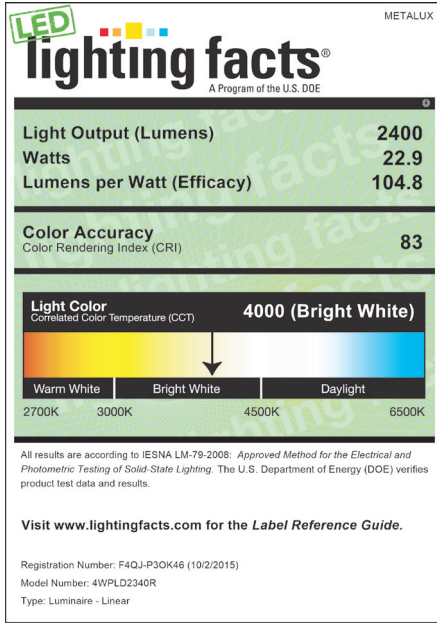


4 ft. Dimensions



2 ft. and 4 ft. Dimensions

Catalog Number	Product Description	Unit UPC	MC	I2of5
4WPLD2340R	4' LED Wraparound, 2400 lumen, 4000K 120V	080083747474	2 Pack	10080083747471
4WPLD3140R9	4' LED Wraparound, 3200 lumen, 4000K 120V	080083747467	2 Pack	10080083747464
4WPLD4035C	4' LED Wraparound, 4000 lumen, 3500K, UNV	080083750603	2 Pack	10080083750600
2WPLD2035C	2' LED Wraparound, 2000 lumen, 3500K, UNV	080083750610	2 Pack	10080083750617



ACCESSORIES (ORDER SEPARATELY)

AYC-CHAIN/SET = 36 in. Hanging Chain Set w/V Hooks

Y-TOGGLE-30 = 30 in. Suspension Aircraft Cable Kit (specify if another length needed)

2WPLDLNS = 2 ft. Replacement Lens

4WPLDLNS = 4 ft. Replacement Lens

ORDERING INFORMATION

WPLD Standard Series Catalog Number	Lumen	Input Watt	Efficacy (LPW)	CRI	Color Temp K	Controls	Dimming Compatibility	Start Temp/Op Temp	LED Lumen Maint	Installation	Compliance & Qualifications
4WPLD2340R	2,400	23	104	84	4000K	120V Triac Dimming to 10%	0-10V eaton.com/lighting/resources/library/literature	-20 C/45 1 C	L70 @ 50,000 hrs	Surface, Wall, Suspend	ENERGY STAR, cULus damp locations
4WPLD3140R9	3,200	39	82	95	4000K	120V Triac Dimming to 10%		-20 C/45 C	L70@ 50,000 hrs	Surface, Wall, Suspend	ENERGY STAR, cULus damp locations
4WPLD4035C	4,000	45	85	84	3500K	UNV 0-10V Dimming to 10%	Triac eaton.com/lighting/resources/library/literature	-20 C/45 C	L70 @ 50,000 hrs	Surface, Wall, Suspend	cULus damp locations
2WPLD2035C	2,000	23	87	84	3500K	UNV 0-10V Dimming to 10%		-20 C/45 C	L70 @ 50,000 hrs	Surface, Wall, Suspend	cULus damp locations

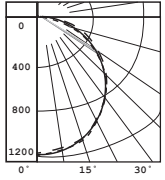
*0-10V Dimming Link:

http://www.cooperindustries.com/content/dam/public/lighting/products/documents/metalux/technical_information/METALUXLED-AP-SERIES-ContrCompat-WP502001EN-tis.pdf

*Triac Dimming Link:

http://www.cooperindustries.com/content/dam/public/lighting/products/documents/metalux/technical_information/Metalux-Triac-dimming-guide-PA502002EN-tis.pdf

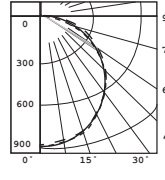
PHOTOMETRICS



4WPLD4035C
 Electronic Driver
 4000 lumens
 Spacing criterion:
 (H) 1.2 x mounting height,
 (L) 1.2 x mounting height
 Efficiency 87.0%
 Test Report: P26819

Candela

Angle	Along H	45°	Across L
0	1175	1175	1175
5	1183	1168	1167
10	1164	1150	1154
15	1032	1121	1125
20	1090	1081	1087
25	1038	1029	1036
30	976	971	979
35	907	903	912
40	833	832	841
45	755	755	764
50	673	673	682
55	586	588	596
60	498	498	508
65	404	404	419
70	306	308	328
75	203	214	241
80	110	127	162
85	37	58	98
90	1	18	51



4WPLD2340R
 Average Distribution
 4000 lumens
 Spacing criterion:
 (H) 1.2 x mounting height,
 (L) 1.2 x mounting height
 Efficiency 106.0%
 Test Report: P26820

Candela

Angle	Along H	45°	Across L
0	836	836	836
5	839	830	834
10	825	818	822
15	804	798	803
20	774	770	776
25	738	734	740
30	694	692	699
35	647	645	652
40	594	594	602
45	539	540	548
50	481	483	490
55	421	423	429
60	358	359	366
65	288	292	302
70	218	222	236
75	148	155	174
80	80	91	116
85	26	42	69
90	0	13	35

Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%		70%		20%													
rw	70	50	30	10	50	30	10	50	30	10	0%							
RCR																		
0	119	119	119	119	116	116	116	111	111	111	106	106	106	101	101	101	99	
1	108	103	98	94	105	100	96	93	96	93	90	92	89	87	88	86	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	60	53	65	58	52	63	56	51	60	55	51	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%		70%		20%													
rw	70	50	30	10	50	30	10	50	30	10	50	30	10	0%				
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	98	94	105	100	96	93	96	93	90	92	89	87	88	86	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	70	63	87	77	69	63	73	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	51	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	905	26.5
0-40	1474	43.2
0-60	2598	76.2
0-90	3376	99.0
90-120	33	1.0

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	645	26.4
0-40	1052	43.1
0-60	1858	76.2
0-90	2416	99.1
0-180	2439	100.00