

Metalux AP Series

DESCRIPTION

The Metalux WP utility LED wrap light is a DLC and Energy Star compliant fixture designed to retrofit and replace fluorescent wraparounds. The WP has a compact, low-profile design, prismatic lens and post-painted steel exterior. The WP performs and looks like a fluorescent wraparound. The WP comes standard with a prismatic acrylic lens, surface or suspended mount features, universal voltage cold-start driver, and five year warranty. These features make the WP a combination of quality and value that can be used in most commercial, educational, residential, corridor, stairway, multi-use or utility applications.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Construction

- Die formed post painted white steel housing and end plates
- Available sizes: 2ft and 4ft
- Impact resistant, UV-stabilized acrylic prismatic lens
- Tool-less lens retention design for easy maintenance

Electrical

- Universal voltage (120-277V) non-dimming driver
- L70 at 50,000 rated life-hours (TM-21), or greater than 24 years at 6 hrs/day
- LEDs are 4000K CCT and 80 CRI minimum

Emergency Battery Pack Option

- Field installed remote mount UNV battery pack available, 7 and 14 watts, ships separately
- Batteries provide 90 minutes of backup power
- Factory installed battery pack not available

Shielding

- Classic wrap-around rectangular lens profile
- Standard LED blended prismatic for wide area coverage and even illumination
- See acrylic cleaning and limitations on use

Installation

- Surface (wall or ceiling) mount capable via junction box
- Suspension mount capable using standard V-hook or Y-toggle mounting kits
- Quick-access J-box plate allows for fast install and inspection
- Rated for installs in closet storage areas, as defined in NEC section 410.16

Compliance

- UL/cUL listed for damp location
- Rated for 0F (-20C) to 104F (40C) ambient operating temperatures
- RoHS compliant
- NFPA-70 and NEC 410.16 for closet storage space installations
- LED complies with IESNA LM-79 and LM-80
- 120V versions are Energy Star Qualified
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details

Warranty

- Five year warranty



WP LED Wrap Light

2' AND 4'
Utility Wrap Light



	Feature	Benefit
Performance	Up to 115 lm/W, 50K life hours at L70	Save over 40% energy over existing LFL strips
	DLC® and Energy Star certification	Eligible for energy rebates
	5-Year Warranty	Certified and guaranteed performance
	Meets NEC Section 410.16 code	Permitted for use in closet or small storage spaces
Construction	Full length, standard width post painted steel channel	No painting required. Ideal for LFL retrofits
	Prismatic Acrylic Lens Optic	One for one replacement of 2-lamp LFL wraparounds
	Surface or chain mount capability	Design flexibility / simplified installation

ORDERING INFORMATION

Catalog #	UPC	CCT (K)	CRI (Min)	Delivered lumens	Watts	Efficacy (lm/W)	Controls	Input current (A)	
								120V	277V
2WP1540R	080083847181	4000	80	1811	15	121	Non-Dimming	0.13	
4WP3040R	080083847167	4000	80	3432	31	110	Non-Dimming	0.26	
2WP1540C	080083858385	4000	80	1788	15.8	113	Non-Dimming	0.13	0.06
4WP3040C	080083858361	4000	80	3588	31.4	114	Non-Dimming	0.26	0.126

Accessories (Order Separately)

HBAYC-CHAIN/SET/U=(2) V-Hook Hangers, 36" Chain Sets w/S-Hooks *
Y-TOGGLE=Mounting Toggle, #2 Cable (8) (Specify 10' or 30', requires 2 per fixture) *
SCF-12-B=12" Fixed Stem Set (specify if another length needed) *
2WPLENPK=2 ft. Replacement Lens

4WPLENPK=4 ft. Replacement Lens
EBPLED7W=User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack
EBPLED14W=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack

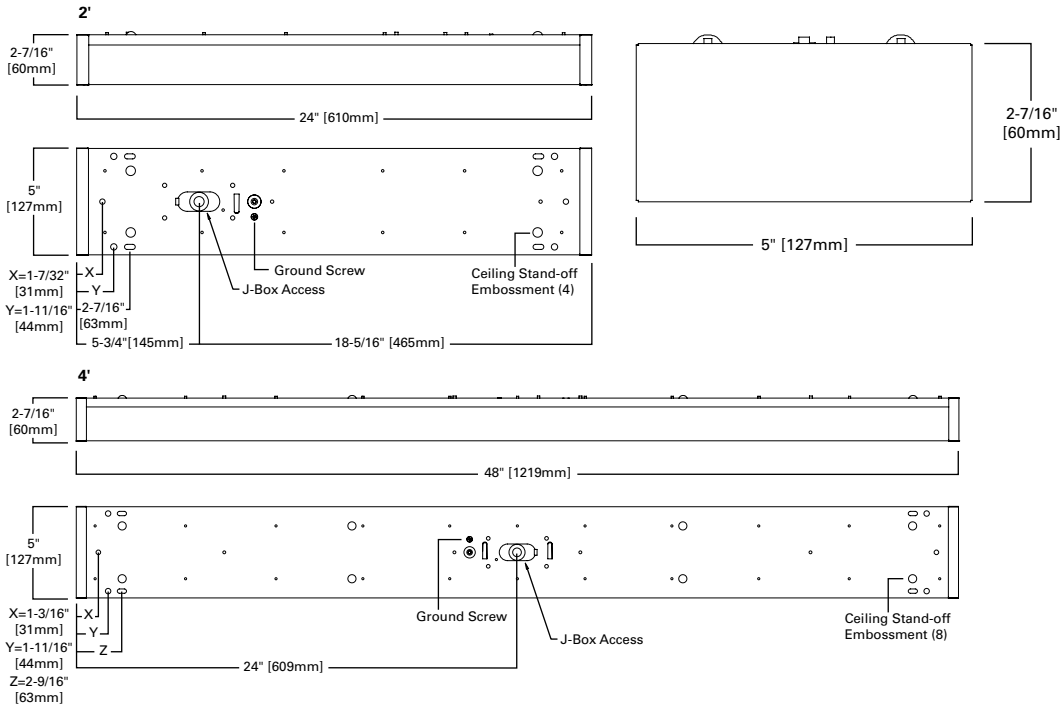
*Separate junction box (by others) required for power on all suspended options.

LOAD DATA*

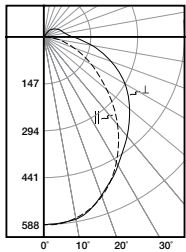
	2'	4'
PF	0.91	0.91
THD%	13.4	12.7
Weight	2.1	3.9
Low Temp Start	-20C	-20C

*277V data

DIMENSION AND MOUNTING DATA

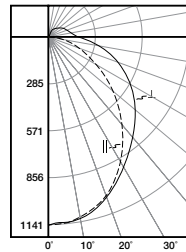


PHOTOMETRICS



2WP1540C
 Electronic Driver
 Linear LED 4000K
 Spacing criterion:
 (II) 1.14 x mounting
 height, (⊥) 1.17 x
 mounting height
 Lumens: 1789
 Input Watts: 15.8W
 Efficacy:113.2 lm/W
 Test Report:
 2WP1540C.IES

Candlepower				
Angle	Along II	45°	Across ⊥	
0	588	588	588	
5	584	587	585	
10	573	577	574	
15	553	557	555	
20	525	528	525	
25	489	491	492	
30	448	451	460	
35	401	411	428	
40	352	371	400	
45	302	332	372	
50	252	294	345	
55	204	259	317	
60	161	223	287	
65	123	192	254	
70	91	163	219	
75	65	137	184	
80	42	111	149	
85	21	85	116	
90	0	62	86	



4WP3040C
 Electronic Driver
 Linear LED 4000K
 Spacing criterion:
 (II) 1.15 x mounting
 height, (⊥) 1.19 x
 mounting height
 Lumens: 3588
 Input Watts: 31.4W
 Efficacy:114.3 lm/W
 Test Report:
 4WP3040C.IES

Candlepower				
Angle	Along II	45°	Across ⊥	
0	1140	1140	1140	
5	1135	1139	1132	
10	1112	1120	1115	
15	1073	1084	1078	
20	1020	1034	1026	
25	954	970	966	
30	877	898	905	
35	789	821	848	
40	697	744	791	
45	601	669	736	
50	508	596	692	
55	419	526	626	
60	337	458	567	
65	260	395	502	
70	193	335	441	
75	137	280	373	
80	87	228	308	
85	42	174	241	
90	1	124	181	

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																	
	80%			70%			50%			30%			10%			0%		
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	0		
0	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90	
1	105	100	95	91	101	97	92	88	90	87	84	85	82	79	80	77	75	72
2	95	87	79	73	92	84	77	72	79	73	68	74	69	65	69	66	62	60
3	87	76	67	61	83	74	66	60	69	63	57	65	60	55	61	57	53	50
4	79	67	58	51	76	65	57	51	61	54	49	58	52	47	55	50	45	43
5	73	60	51	44	70	58	50	44	55	48	42	52	46	41	49	44	40	37
6	68	54	45	39	65	53	44	38	50	43	37	47	41	36	45	39	35	33
7	63	49	40	34	60	48	40	34	45	38	33	43	37	32	41	35	31	29
8	58	45	36	31	56	44	36	30	42	34	29	40	33	29	38	32	28	26
9	55	41	33	28	53	40	32	27	38	31	27	37	30	26	35	29	25	23
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																	
	80%			70%			50%			30%			10%			0%		
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	0		
0	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	90	
1	105	100	95	90	101	96	92	88	90	87	83	84	82	79	79	77	75	72
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59
3	87	76	67	60	83	73	65	59	69	62	57	65	59	54	61	56	52	50
4	79	67	58	51	76	65	57	50	61	54	48	57	51	47	54	49	45	42
5	73	60	51	44	70	58	49	43	55	47	42	52	45	40	49	43	39	37
6	67	54	45	38	65	52	44	38	49	42	37	47	40	35	44	39	34	32
7	62	49	40	34	60	47	39	33	45	38	32	43	36	31	40	35	31	28
8	58	45	36	30	56	43	35	30	41	34	29	39	33	28	37	32	27	25
9	54	41	33	27	52	40	32	27	38	31	26	36	30	25	34	29	25	23
10	51	38	30	25	49	37	29	24	35	28	24	34	27	23	32	27	23	21

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	439	24.5
0-40	698	39.0
0-60	1192	66.6
0-90	1610	90.0
0-180	1789	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	5092	4520	4854
55	4105	3919	4543
65	3189	3386	4179
75	2474	3005	3684
85	1594	2567	3085

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	858	23.9
0-40	1373	38.3
0-60	2364	65.9
0-90	3219	89.7
0-180	3588	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	5270	4656	4802
55	4453	4096	4486
65	3647	3615	4129
75	2959	3226	3734
85	2108	2822	3205

SHIPPING DATA

Catalog Base	Wt.	Units per Pallet	Gross wt. Pallet
2WP	1.1	96	170.6
4WP	4.7	72	136