

Metalux AP Series

DESCRIPTION

The Metalux AP Shoplight is an extruded aluminum integrated LED fixture that comes with a 120V grounded cord & plug. The APSHP replaces 2 or 3-lamp fluorescent shoplights or strips, and is well suited for work benches, counters, work-shops, studios, and storage areas where general task lighting is needed. The APSHP includes mounting hardware and on/off pull chain for easy installation and operation. The APSHP is UL-listed with LEDs rated to 50,000 life-hours and backed by a 3-year warranty.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

- Rigid, light weight extruded housing
- Molded white endcaps joins LED and driver into single assembly
- Extruded lens and reflector optic
- Anodized housing exterior and white reflector finish
- Available sizes: 3ft and 4ft nominal lengths

Electrical

- 120V, FCC rated Class B, non-dimming driver
- 5ft grounded cord & plug included
- On-off pull chain for easy operation (4APSHP model only)
- L70 at 50,000 rated life-hours (TM-21), or greater than 43 years at 3 hrs/day
- LEDs are 4000K CCT and 80 CRI minimum

Shielding

- UV-stabilized lens
- Integrated reflector design focuses light where you need it
- See acrylic cleaning and limitations on use

Installation

- Suspension mount using included 10 inch chain and S-hook
- Plug and play installation using 5ft cord & plug

Compliance

- UL/cUL listed for dry location
- Low-start temperature rated at 0F (-20C)
- RoHS compliant
- LED complies with IESNA LM-79 and LM-80

Warranty

Three year warranty.



APSHP LED

3' AND 4'

Utility Shoplight



	Feature	Benefit	Result
Performance	Uniform illumination	Safe work area	Peace of mind
	50 K rated life-hours	Long life	Save money
	3-year warranty	Guaranteed quality	Peace of mind
Construction	Long life LED source	No costly lamp replacements	Save money
	5 foot cord & plug with on/off pull chain	Easy to transport from project to project	Save time
	Extruded aluminum housing	Rugged long life fixture	Peace of mind

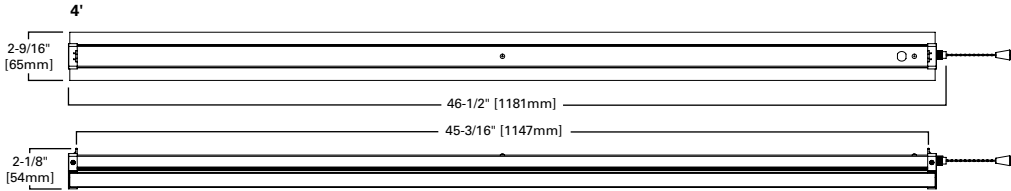
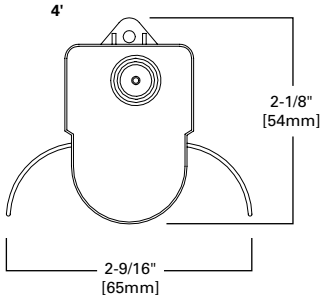
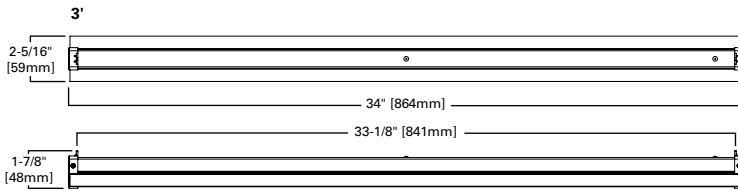
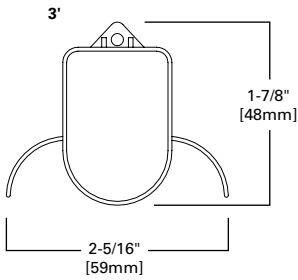
ORDERING INFORMATION

Catalog #	UPC	CCT (K)	CRI (Min)	Delivered lumens	Watts	Efficacy (lm/W)	Controls	Input current (A)	
								120V	277V
3APSHP3040R	080083834570	4000	80	3200	30	108	Non-Dimming	0.25	
4APSHP4040R	080083834594	4000	80	4300	40	108	Non-Dimming	0.33	

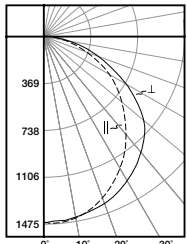
LOAD DATA

	3'	4'
PF	8.6	9.9
THD%	.99	.99
Weight	1.3	1.8
Low Temp Start	-20C	-20C

DIMENSION AND MOUNTING DATA



PHOTOMETRICS



4APSH4040R
 Electronic Driver
 Linear LED 4000K
 Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Lumens: 4389
 Input Watts: 39.8W
 Efficacy:110 lm/W
 Test Report:
 4APSH4040R.IES

Candlepower

Angle	Along II	45°	Across ⊥
0	1462	1462	1462
5	1469	1458	1458
10	1445	1441	1447
15	1402	1414	1431
20	1347	1375	1400
25	1275	1325	1359
30	1195	1264	1312
35	1103	1192	1255
40	1006	1111	1191
45	902	1026	1123
50	795	937	1024
55	687	847	893
60	580	735	740
65	470	604	584
70	359	465	443
75	243	332	311
80	138	210	194
85	49	101	94
90	2	12	13

Coefficients of Utilization

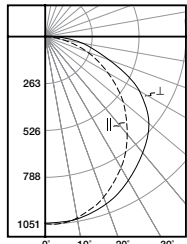
rc	Effective floor cavity reflectance					RCR												
	20%																	
rw	80%	70%	50%	30%	10%	0%												
	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	119	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	108	103	99	95	106	101	97	93	97	93	90	90	88	89	87	85	83	
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1143	26.0
0-40	1881	42.8
0-60	3391	77.2
0-90	4387	99.9
0-180	4390	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	28655	32595	35676
55	26906	33172	34974
65	24982	32105	31042
75	21091	28815	26993
85	12629	26032	24228



3APSH3040R
 Electronic Driver
 Linear LED 4000K
 Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Lumens: 3252
 Input Watts: 29.6W
 Efficacy:110 lm/W
 Test Report:
 3APSH3040R.IES

Candlepower

Angle	Along II	45°	Across ⊥
0	1044	1044	1044
5	1047	1040	1044
10	1029	1027	1034
15	1000	1006	1021
20	959	976	998
25	907	936	968
30	849	892	934
35	784	841	896
40	714	787	854
45	644	728	808
50	569	666	758
55	490	603	699
60	409	541	608
65	326	468	501
70	246	376	388
75	165	281	282
80	91	186	186
85	31	102	110
90	1	42	55

Coefficients of Utilization

rc	Effective floor cavity reflectance					RCR												
	20%																	
rw	80%	70%	50%	30%	10%	0%												
	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	119	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	108	103	98	94	105	100	96	92	96	92	89	86	88	86	84	82		
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	57	50	44	55	49	43	53	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	25	36	29	24	35	29	24	35	28	24	22

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	813	25.0
0-40	1138	41.1
0-60	2433	74.8
0-90	3242	99.7
0-180	3253	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	27680	31290	34729
55	25964	31951	37038
65	23444	33656	36029
75	19375	32997	33114
85	10810	35569	38358

SHIPPING DATA

Catalog Base	Wt.	Units per Pallet	Gross wt. Pallet
3APSH	2.2	192	514
4APSH	2.6	144	513