

# Metalux AP Series

**DESCRIPTION**

Metalux AP series APHL is ideal for industrial or retail applications. Optical designs provide ideal performance from either T5 or T8 lamps. Uplight component produces excellent ceiling uniformity. APHL's high lumen package allows the benefits of fluorescent to be applied at high mounting heights that were traditionally exclusive to H.I.D. Benefits include exceptional color rendering, high system efficacy, long lamp life, instant on/instant re-strike, and uniform APHL applications include retail, shopping malls, light industrial and recreational environments.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

**SPECIFICATION FEATURES**

**Construction**

Channel and end plates are constructed of die formed cold rolled steel. The channel provides strength, numerous KO's for easy installation, and excellent thermal dissipation without any special or proprietary components.

**Electrical**

Equipped with either high performance T8 - high ballast factor or T5HO - energy efficient T5 - high output ballast. Twistlock lampholders. UL/cUL for all lamp and ballast combinations listed. Suitable for damp locations.

**Finish**

Electrostatically applied baked white enamel finish.

**Optics**

Die formed, segmented optical design optimizes performance across two distributions. Optical choices include a narrow distribution for aisles and loading areas, or wide distribution for general, open area lighting. Uplight is provided to permit ceiling uniformity and allow for ample lamp and luminaire heat dissipation.

**Mounting**

All-Pro APHL products do not include V-hanger. Y-toggle hanger can be used for mounting.

**Compliance**

Options to meet Buy American and other domestic preference requirements.



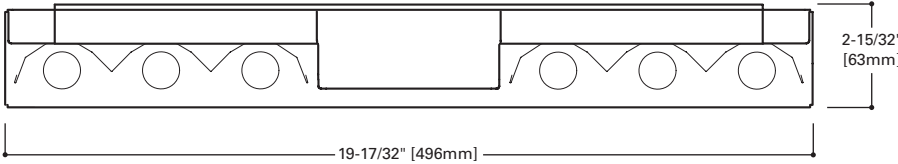
**APHL SERIES**

4 OR 6 T8 LAMPS  
4 OR 6 T5HO LAMPS

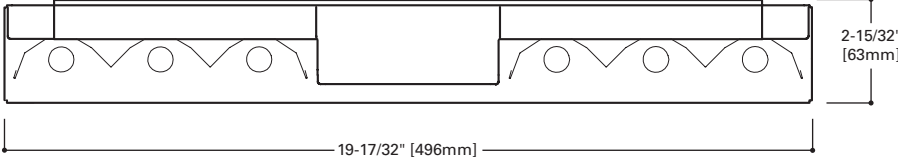
High-Bay Industrial Open Luminaire



T8



T5



Catalog Number	Product Description	Wattage	UPC
APHL-432-SN-UPL	48" HIGH BAY, 4 LAMP, T8, NARROW DISTRIBUTION HIGH BAY	32W	080083622191
APHL-432-SW-UPL	48" HIGH BAY, 4 LAMP, T8, WIDE DISTRIBUTION HIGH BAY	32W	080083622207
APHL-454-SN-UPL	48" HIGH BAY, 4 LAMP, T5HO, NARROW DISTRIBUTION HIGH BAY	54W	080083622238
APHL-454-SW-UPL-L850	48" HIGH BAY, 4 LAMP, T5HO, WIDE DISTRIBUTION HIGH BAY W/ 850 LAMPS	54W	080083622245
APHL-632-SN-UPL	48" HIGH BAY, 6 LAMP, T8, NARROW DISTRIBUTION HIGH BAY	32W	080083622214
APHL-632-SW-UPL	48" HIGH BAY, 6 LAMP, T8, WIDE DISTRIBUTION HIGH BAY	32W	080083622221
APHL-654-SN-UPL	48" HIGH BAY, 6 LAMP, T5HO, NARROW DISTRIBUTION HIGH BAY	54W	080083622252
APHL-654-SW-UPL-L850	48" HIGH BAY, 6 LAMP, T5HO, WIDE DISTRIBUTION HIGH BAY W/ 850 LAMPS	54W	080083622269

**SHIPPING INFORMATION**

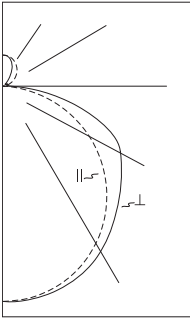
Catalog Number	WGT.	Pallet Qty.
APHL-432-SN-UPL	15.44	34
APHL-432-SW-UPL	15.44	34
APHL-454-SN-UPL	15.44	34
APHL-454-SW-UPL-L850	16.82	34
APHL-632-SN-UPL	15.48	34
APHL-632-SW-UPL	15.48	34
APHL-654-SN-UPL	15.48	34
APHL-654-SW-UPL-L850	16.86	34

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

**LINEAR DISCONNECT**  
Safe and convenient means of disconnecting power.



PHOTOMETRICS



**APHL 632**  
**Wide Distribution**  
 (2) Electronic Plus Ballasts  
 (6) F32T8/835 32WT8 lamps, 3100 lumens  
 Spacing criterion: (H) 1.3 x mounting height, (D) 1.3 x mounting height  
 Efficiency 90.5%  
 Test Report: APHL-G32-SN-UPL.IES

Candela			
Angle	Along H	45°	Across D
0	4685	4685	4685
5	4663	4674	4692
10	4608	4631	4654
15	4512	4555	4594
20	4380	4446	4503
25	4209	4303	4374
30	4000	4121	4203
35	3762	3909	4000
40	3492	3658	3774
45	3195	3377	3562
50	2870	3081	3354
55	2527	2785	3150
60	2165	2500	2962
65	1781	2230	2707
70	1384	1985	2246
75	975	1569	1685
80	569	1025	1107
85	200	500	566
90	3	111	177

Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%			70%			50%			30%			10%			0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	103	103	103	103	97	97	97	91	91	91	86	86	86	83
1	96	91	87	83	93	88	84	81	83	80	77	78	76	73	74	72	70	68
2	86	78	72	66	83	76	70	65	72	67	62	68	63	60	64	60	57	55
3	78	68	60	54	75	66	59	53	62	56	51	59	54	50	56	52	48	46
4	71	60	52	45	69	58	51	45	55	49	43	52	47	42	49	45	41	38
5	65	53	45	39	63	52	44	38	49	42	37	47	41	36	44	39	35	33
6	60	48	40	34	58	47	39	33	44	37	32	42	36	31	40	35	31	28
7	56	43	35	29	54	42	34	29	40	33	28	38	32	28	36	31	27	25
8	52	39	31	26	50	38	31	26	37	30	25	35	29	25	33	28	24	22
9	48	36	28	23	47	35	28	23	34	27	23	32	26	22	31	25	22	20
10	45	33	26	21	44	32	26	21	31	25	20	30	24	20	28	23	20	18

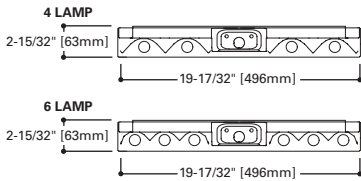
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	3714	20.0	22.1
0-40	6154	33.1	36.6
0-60	11290	60.7	67.1
0-90	15508	83.4	92.1
0-180	16834	90.5	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	7432	7855	8286
55	7247	7987	9033
65	6932	8679	10536
75	6196	9971	10708
85	3774	9436	10682

LAMP CONFIGURATIONS



DIMENSION TOP VIEW

