

Alphalite

PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

ALPHA SERIES High Performance LED Wall Pack

WPA

DESCRIPTION

The Alpha Series LED wall pack is a modern and versatile, integrated LED solution that delivers long life and energy savings within a slim, low profile design. The rugged housing offers advanced thermal management and protection against outdoor environments without compromising aesthetics.

APPLICATION

Outdoor wall-mount applications. Building facade. Commercial, industrial, retail, hospitality buildings that demand long service life and low maintenance.

SPECIFICATION FEATURES

Construction

Rugged die-cast aluminum housing withstands outdoor environments. Outer surface treated with durable powder coating to provide resistance to corrosion, rust, weathering, and UV degradation. Available in various color finishes. Performance-engineered, integral heat dissipation fins provides superior thermal management for long life and reliability.

Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120V-277V input voltage for increased versatility. Photosensor option available. For higher lumen, high mounting height models, dimming option available. Comes equipped with quick disconnect for compliance with US code.

Mounting

Luminaire mounting designed for standard J-Box. Can be mounted directly to surface. Features multiple conduit entries.



WPA

Alpha Series

High Performance LED Wall Pack

910 lm, 1350 lm,
1650 lm, 2250 lm,
3500 lm



Optics

Precision-molded lenses provide various photometric distributions depending on application. LED lenses optimize performance and increase delivered light to desired areas.

Finish

Outer surface treated with durable powder coating to provide resistance to corrosion, rust, weathering, and UV degradation. Available in various color finishes.

Certifications / Regulatory

ETL listed. DLC QPL listed. All components have safety approvals.

Warranty

5-year limited warranty. See complete warranty terms for details.

Quick Ship Product

WPA-13/5K
WPA-18/5K
WPA-22/5K
WPA-30/5K
WPA-42/5K

ORDERING INFORMATION

Sample Number: **WPA-22/5K-PC**

WPA	22	5K	(Blank)	(Blank)	PC	(Blank)
Series	Nominal Wattage/ Lumen Package	CCT	Input Voltage	Distribution	Control Options	Finish
WPA - Alpha Series LED Wall Pack	13 - 13W, 910 lumens 18 - 18W, 1350 lumens 22 - 22W, 1540 lumens 30 - 30W, 2100 lumens 42 - 42W, 3150 lumens	5000K (Standard)	(Blank) - 120V-277V 347 - 347V 480 - 480V	(Blank) - Type III 2D - Type II	PC - Photocell 10V - 0 -10V dimming driver PIR - PIR motion sensor	DB - Dark Bronze BLK - Black WH - White SLV - Silver

SUMMARY

Input Voltage	120V-277V
Input Frequency	50/50 Hz
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 70 LPW
Delivered Lumens	See energy data for details
Controls/Dimming	Photocell option available. 0- 10V dimming available .
CRI	> 70
CCT	5000K
Operating Temp.	-40 ~ +50 C



ENERGY PERFORMANCE DATA

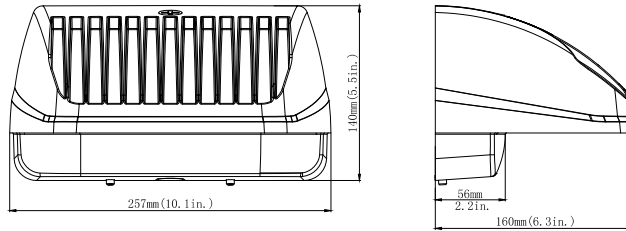
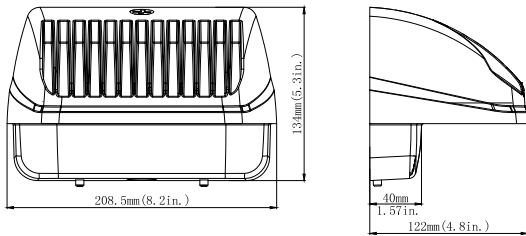
Lumen package	Input watts	Lumens	LPW	CCT
WPA-13/5K	13	910	70.0	5000K
WPA-18/5K	18	1350	75.0	5000K
WPA-22/5K	22	1650	75.0	5000K
WPA-30/5K	30	2250	75.0	5000K
WPA-42/5K	42	3500	83.3	5000K

PHYSICAL PARAMETERS

DIMENSION

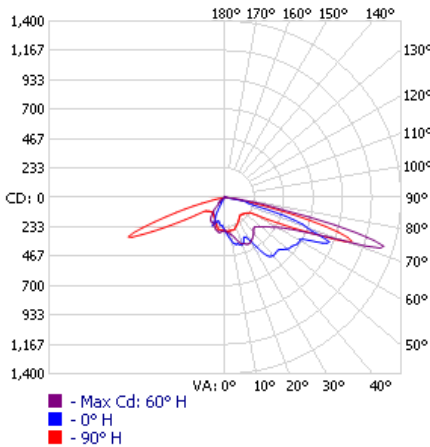
WPA-13, 18, and 22

WPA-30, and 42



PHOTOMETRICS

WPA-22/5K-PC



Candlepower

ANGLE IN DEG	0	20	40	60	80	90	110	130	150	170	180	200	220	240	260	280	300	320	340	360
0	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263
5	311	309	304	299	295	289	284	276	273	267	262	255	248	243	242	239	235	234	228	230
10	364	361	355	349	335	318	302	283	279	265	247	243	241	239	237	239	234	222	220	222
15	380	390	399	403	397	378	345	305	276	267	242	233	225	225	252	268	239	209	195	197
20	399	410	420	430	442	441	391	306	268	249	230	225	201	217	249	284	228	211	209	214
25	351	389	431	466	463	463	410	319	257	232	219	224	209	193	210	298	210	239	184	174
30	394	401	417	430	434	422	407	321	248	213	200	224	212	189	153	220	140	124	108	96
35	546	473	457	408	391	385	384	315	242	197	171	213	196	191	99	135	52	48	52	49
40	599	526	500	429	366	352	353	304	236	185	144	197	171	160	66	74	44	52	50	51
45	593	563	552	510	403	357	332	299	247	188	137	176	136	93	66	52	40	35	26	25
50	637	619	588	553	452	389	362	322	271	199	137	146	112	66	60	44	29	13	12	12
55	664	666	645	591	489	426	405	351	302	214	147	110	69	53	39	12	9	9	9	9
60	688	687	679	627	534	476	472	416	351	263	164	81	54	34	13	9	8	7	6	6
65	855	830	764	723	609	589	607	630	591	512	314	72	40	17	9	7	4	1	0	0
70	691	725	639	586	561	780	1000	1150	1169	1025	271	197	31	16	6	2	0	0	0	0
75	226	298	298	332	297	752	1080	938	861	689	68	151	27	13	3	1	0	0	0	0
80	133	154	159	147	151	343	306	349	275	139	30	34	13	8	3	1	0	0	0	0
85	2	2	3	3	5	44	37	49	56	14	13	13	5	4	2	1	0	0	0	0
90	2	2	2	2	2	2	2	2	2	1	1	2	2	1	1	0	0	0	0	0

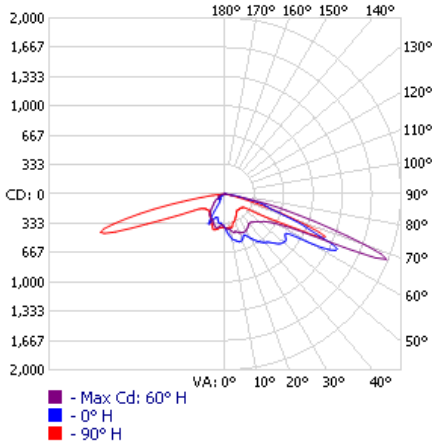
Zonal Lumen Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	247.2	11.20%	16.60%
0-40	402.5	18.30%	27.10%
0-60	823.7	37.40%	55.40%
60-90	662.7	30.10%	44.60%
0-90	1,486.50	67.60%	100%

LCS TABLE

BUG RATING	B0 - UX - G1	LUMENS	LUMENS %
FORWARD LIGHT			
LOW(0-30):		151.8	6.90%
MEDIUM(30-60):		477.4	21.70%
HIGH(60-80):		581.7	26.40%
VERY HIGH(80-90):		17.7	0.80%
BACK LIGHT			
LOW(0-30):		95.4	4.30%
MEDIUM(30-60):		99.2	4.50%
HIGH(60-80):		61	2.80%
VERY HIGH(80-90):		2.3	0.10%
TRAPPED LIGHT:		713.5	32.40%

WPA-30/5K-PC



Candlepower

ANGEL IN DEG	0	20	40	60	80	90	110	130	150	170	180	200	220	240	260	280	300	320	340	360
0	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386
5	462	460	447	437	424	407	398	398	406	382	366	352	343	334	333	335	340	347	352	353
10	526	529	530	533	496	461	425	409	408	386	355	332	322	321	323	325	323	340	337	322
15	556	566	584	586	586	541	439	393	394	344	313	299	298	292	291	319	362	367	313	294
20	559	588	627	635	627	567	467	388	383	317	280	292	287	265	282	328	384	323	279	272
25	512	560	590	616	600	575	480	380	337	285	248	283	276	266	253	305	401	311	319	317
30	579	585	566	551	547	541	476	376	299	257	215	272	275	253	233	307	399	336	353	368
35	657	633	587	517	488	492	452	368	285	233	188	242	252	242	220	236	139	103	104	107
40	717	703	681	570	487	459	430	380	291	231	176	221	218	214	187	117	90	88	95	98
45	789	751	751	634	525	486	450	414	318	236	174	199	184	179	164	116	75	75	73	75
50	859	828	813	688	559	526	489	445	336	242	171	157	156	135	102	95	84	72	75	70
55	834	836	830	719	598	575	546	480	378	268	162	121	117	79	86	99	96	81	78	74
60	1109	1075	895	726	684	680	672	623	549	499	221	98	70	63	68	94	82	50	55	53
65	1340	1443	1009	986	860	923	1213	1313	1236	1095	350	106	62	44	40	58	40	34	34	35
70	739	822	532	715	1129	1668	1707	1735	1764	827	258	243	49	32	32	19	9	9	10	10
75	450	467	337	386	403	855	721	822	787	222	93	67	35	16	8	4	2	1	1	2
80	142	135	132	121	172	237	112	248	219	22	34	33	23	11	3	1	0	0	0	0
85	2	2	2	2	2	2	7	5	1	3	8	8	5	2	1	0	0	0	0	0
90	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0

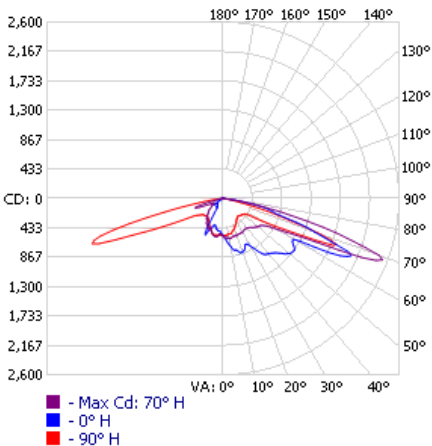
Zonal Lumen Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	351.3	11.70%	16%
0-40	579.1	19.30%	26.50%
0-60	1,182.50	39.40%	54%
60-90	1,006.50	33.50%	46%
0-90	2,188.90	73%	100%

LCS TABLE

BUG RATING	B0 - UX - G1
FORWARD LIGHT	LUMENS LUMENS %
LOW(0-30):	212.6 7.10%
MEDIUM(30-60):	645.8 21.50%
HIGH(60-80):	855.6 28.50%
VERY HIGH(80-90):	27.3 0.90%
BACK LIGHT	
LOW(0-30):	138.7 4.60%
MEDIUM(30-60):	185.5 6.20%
HIGH(60-80):	116.5 3.90%
VERY HIGH(80-90):	6.9 0.20%
TRAPPED LIGHT:	811.1 27%

WPA-42/5K-PC



Candlepower

ANGEL IN DEG	0	20	40	60	80	90	110	130	150	170	180	200	220	240	260	280	300	320	340	360
0	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549
5	635	630	616	600	584	569	574	580	582	540	524	509	499	495	500	505	506	503	490	482
10	739	742	739	708	664	623	596	594	579	529	505	499	497	489	480	490	516	504	472	465
15	788	807	830	828	799	738	651	571	565	506	470	466	453	439	478	533	563	476	423	413
20	838	883	911	908	906	815	675	576	560	474	463	465	421	417	458	550	552	434	430	437
25	768	852	917	956	908	854	713	572	496	432	426	460	434	404	384	543	554	492	555	561
30	811	835	863	848	841	813	718	572	451	391	383	445	427	394	338	583	412	351	337	341
35	981	940	878	786	750	745	687	556	434	357	324	414	384	394	294	349	155	144	155	156
40	1060	1011	979	813	697	674	635	565	438	341	276	381	328	344	267	167	131	135	134	140
45	1135	1120	1098	927	754	687	642	604	477	356	271	333	279	282	244	153	122	116	110	111
50	1262	1209	1193	1006	818	752	701	651	512	367	259	258	244	212	163	151	143	117	116	110
55	1290	1306	1263	1059	868	818	785	689	564	393	252	200	191	131	133	158	159	135	167	133
60	1204	1213	1208	1118	955	924	928	879	773	658	318	158	121	106	107	155	98	71	75	73
65	2022	2067	1563	1237	973	1162	1294	1523	1537	1302	543	184	106	76	76	91	51	38	34	38
70	1439	1581	1080	964	1242	2057	2480	2454	2322	1506	155	412	96	62	59	15	14	13	12	13
75	769	782	477	755	612	1520	1318	1272	1058	529	78	114	55	32	20	4	1	0	0	0
80	355	373	369	309	284	459	271	403	334	115	56	50	31	22	10	2	0	0	0	0
85	4	4	4	6	58	48	38	46	33	11	14	16	11	8	5	1	0	0	0	0
90	2	2	3	3	3	5	6	6	7	1	1	1	1	1	1	1	1	1	1	1

Zonal Lumen Summary

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	518.3	12.30%	16.50%
0-40	845.3	20.10%	26.80%
0-60	1,722.60	41%	54.70%
60-90	1,427.20	34%	45.30%
0-90	3,149.80	75%	100%

LCS TABLE

BUG RATING	B0 - UX - G1
FORWARD LIGHT	LUMENS LUMENS %
LOW(0-30):	312.5 7.40%
MEDIUM(30-60):	940.4 22.40%
HIGH(60-80):	1,212.30 28.90%
VERY HIGH(80-90):	54.7 1.30%
BACK LIGHT	
LOW(0-30):	205.8 4.90%
MEDIUM(30-60):	264.1 6.30%
HIGH(60-80):	151.9 3.60%
VERY HIGH(80-90):	8 0.20%
TRAPPED LIGHT:	1,050.30 25%

