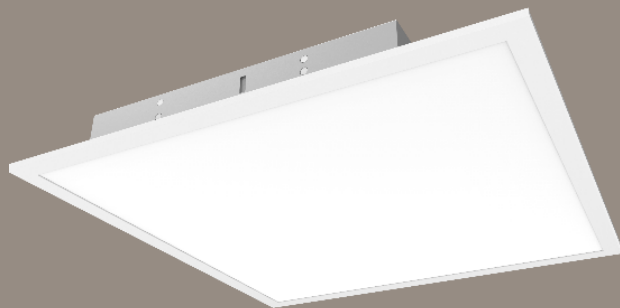




ALPS

RECESSED COMMERCIAL LUMINAIRES

Flat panel



The ALPS series is a backlit panel product designed with optimum LED placement. The LED is an intricate product with a combination of a highly reflective coating, a desirable LED count; and with a driver to achieve premium performance. The ALPS series is a type IC dimmable product with control options of PIR (passive infra-red motion) sensor and emergency backup. The 2x4 ALPS series can achieve up to 6250 lumens with an impressive rate of 125 LPW.

OPERATING & ELECTRICAL

Input Voltage	120-277Vac
Power factor	0.9
Total harmonic distortion (THD)	<20%
Dimming	0-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt	125-140 LPW at 80CRI
Power consumption	25, 30, 32, 40, 50W
Distribution	Lambertian

MECHANICAL & HOUSING

Housing	22-gauge painted sheet metal
Lens	Polystyrene diffuser ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare while maintaining minimal thickness

Finish

White

Power Supply
driver

Factory wired electronic LED

LED Board

LED Array

APPLICATION CONDITION

Ambient temperature range

-20 to 35°C

Protection

IC rated

COMPATIBLE MOUNTING

Mounting

DX, DXT grid, surface mount

WARRANTY

System warranty

5 years

Lumen maintenance

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L85 at 50,000 hours)

ORDERING GUIDE

EXAMPLE: AE-RC-AP-22-30W-N30-P15-BUV010

AE-RC-AP	22-	30W-	N	30-	P	15-B	UV	010
FIXTURE FAMILY	SIZE	Wattage	CRI	CCT	STANDARD	LED CODE	VOLTAGE	CONTROL
AE-RC-AP Aeralux Alps series commercial office backlit panel	22- 2X2 feet	25W- 25 Watts - 3200 lms	N Normal 80 CRI	30 3000K CCT	P Premium	12-B	UV 120/277Vac	010 0-10V external dimming down to 10%
		30W- 30 Watts - 3750 lms				15-B		
	14- 1X4 feet	30W- 30 Watts - 4200 lms		35 3500K CCT		15-B		
	24- 2X4 feet	25W- 25 Watts – 3200 lms		40 4000K CCT		21-B		
		32W- 32 Watts - 4000 lms				21-B		
		40W- 40 Watts - 5000 lms				21-B		
		50W- 50 Watts - 6250 lms				24-B		

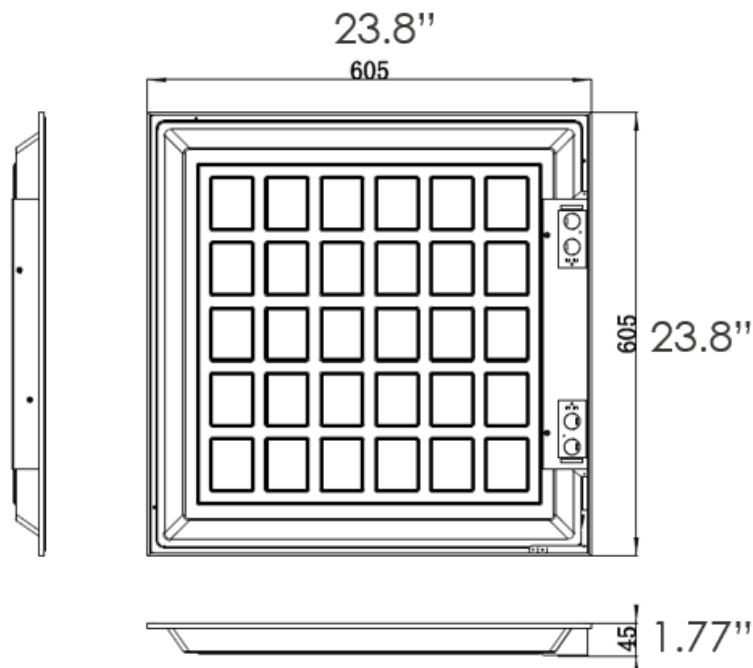


LIST OF DLC MODELS

Model No.	Product ID
AE-RC-AP24-40W-N50-P21-BUV010	PLMCCW1OYCPH
AE-RC-AP24-32W-N35-P21-BUV010	PLTOH1YTJ6SU
AE-RC-AP24-40W-N40-P21-BUV010	PLR6TNLY50V6
AE-RC-AP22-30W-N50-P15-BUV010	PLXGD7BD9JPG
AE-RC-AP24-40W-N35-P21-BUV010	PLKWEEWRFB3W
AE-RC-AP22-30W-N40-P15-BUV010	PLIXKFE8Y8EO
AE-RC-AP24-50W-N40-P24-BUV010	PLM9KLN66BE0
AE-RC-AP24-50W-N35-P24-BUV010	PLUELG7SQ0MZ
AE-RC-AP24-50W-N50-P24-BUV010	PLJXTWS0QQ04
AE-RC-AP24-32W-N50-P21-BUV010	PLISKW3JI9N
AE-RC-AP22-30W-N35-P15-BUV010	PL6EWCFQVUVK
AE-RC-AP24-32W-N40-P21-BUV010	PL0DD58ZW0RN

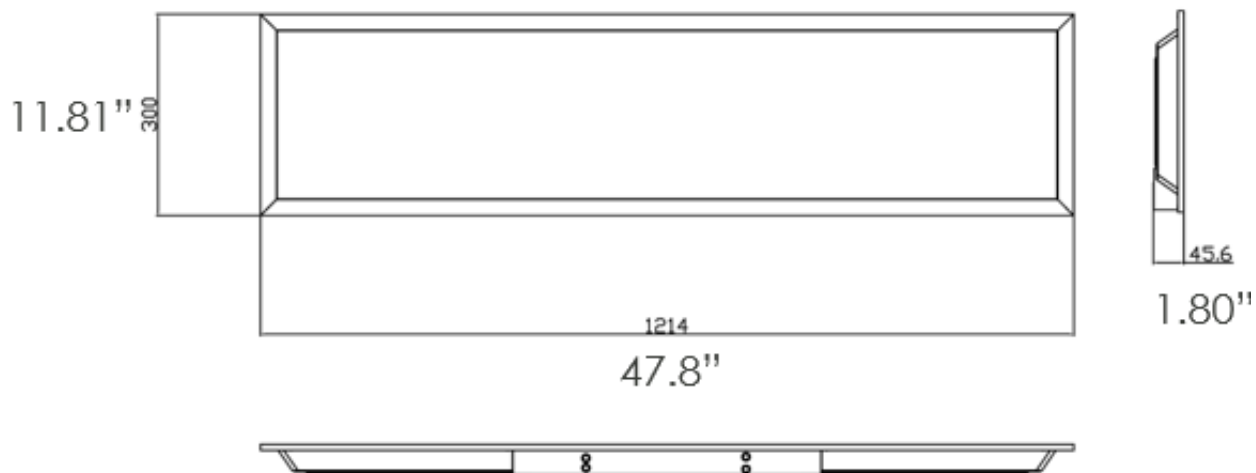
PRODUCT DIMENSIONS

AE-RC-AP22-

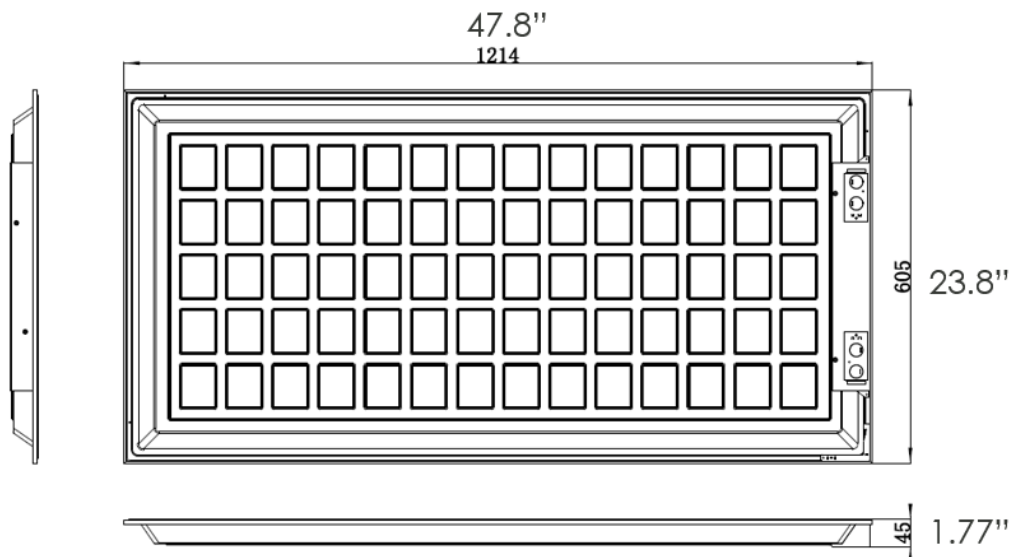


PRODUCT DIMENSIONS

AE-RC-A14-



AE-RC-AP24-



LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors

CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.91	0.94	0.97	1

PHOTOMETRIC DATA

AE-RC-APUV2230WN35XXXXXXXXXX

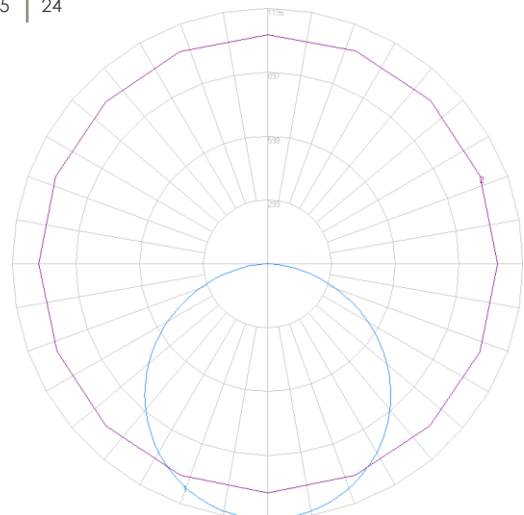
Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										

Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	108	104	99	95	101	94	97	91	93	88	83
	2	98	90	83	77	88	76	84	74	81	73	69
	3	90	79	71	64	77	63	74	62	71	61	58
	4	82	70	61	54	68	54	66	53	63	52	49
	5	75	62	53	46	61	46	59	46	57	45	42
	6	69	56	47	40	55	40	53	40	51	39	37
	7	64	51	42	36	50	36	48	35	47	35	33
	8	60	46	38	32	46	32	44	31	43	31	29
	9	56	42	34	29	42	28	41	28	39	28	26
	10	52	39	31	26	39	26	38	26	37	25	24

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	113.23	90-100	2.05
10-20	325.14	100-110	1.82
20-30	495.11	110-120	1.81
30-40	601.08	120-130	1.88
40-50	628.43	130-140	1.93
50-60	572.09	140-150	1.87
60-70	439.15	150-160	1.58
70-80	254.76	160-170	1.04
80-90	71.77	170-180	0.38



PHOTOGRAPHS

EFFICIENT DESIGN

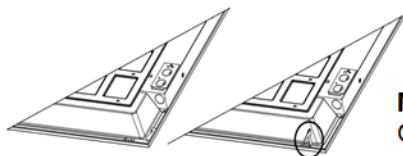
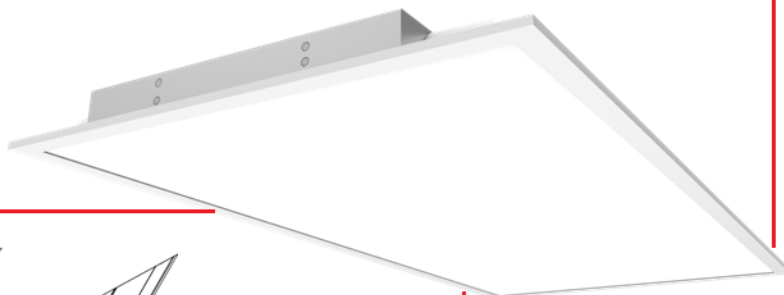
Rear panel designed for efficient thermal management.

Polystyrene diffuser allows for thin profile flat panel providing an elegant look for your commercial office space.



MULTIPLE POWER OPTIONS

Available in a wide range of lumen packages ranging from 25 watts to 50 watts for standard 2x2, 2x4, 1x4 grid sizes



MOUNTING

Grid clips standard for mounting to T-bar

HIGH-EFFICACY OUTPUT

>125 lumens per watt at 80 CRI allow you to save on energy expenses while elegantly illuminating your space

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