



ARES

INDUSTRIAL FIXTURES

Linear High bay



The ARES series is an ideal solution for warehouses, swimming pools, grocery stores, train stations and industrial production floors, as it features a versatile installation method. This product can either be suspended or used elegantly as a surface-mount fixture. Furthermore, the ARES fixture is uniquely designed to be able to be installed on inclined surfaces using available optional accessories.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277V
Power factor 0.9
Total harmonic distortion (THD) <20%
Dimming No dimming

PERFORMANCE

Lumens per Watt 120 LPW at 80CRI
Power 100, 120, 200W
Distribution 120° beam angle

MECHANICAL & HOUSING

Housing Aluminum extrusion increased rigidity, and excellent heat dissipation.
Lens Highly durable polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.

Finish Black
Power Supply Factory wired electronic LED driver
LED Board Light emitted source
APPLICATION CONDITION
Ambient temperature range -20 to 45°C
Protection IP65

COMPATIBLE MOUNTING
Mounting Surface, suspended 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)
Natatorium finish : Anodized Aluminium Housing, and PC Lens - to inhibit salt and chlorine corrosion – LED board coated with natatorium compatible finish for added protection

ORDERING GUIDE

EXAMPLE: AE-IL-ARUV4FT200WC0N40

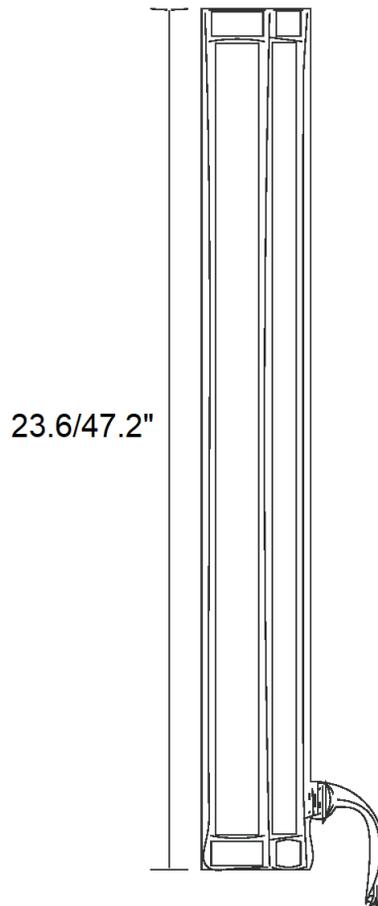
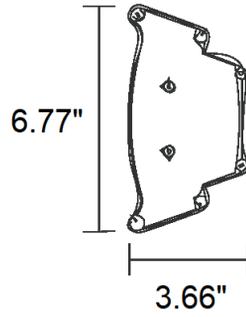
AE-IL-AR	UV	4FT	200W	C0	N	40
FIXTURE FAMILY	VOLTAGE	SIZE	POWER	BEAM ANGLE	CRI	CCT
AE-IL-AR Aeralux industrial fixtures Ares linear high bay	UV 120-277Vac	2FT 2 feet length	100W 100 Watts: 12,000 lumens	C0 120° beam angle	N Normal 80 CRI	40 4000K CCT
			120W 120 Watts: 14,000 lumens			50 5000K CCT
		4FT 4 feet length	200W 200 Watts: 24,000 lumens			60 6000K CCT



PRODUCT DIMENSIONS

AE-IL-AR

Weight: 8.27lbs (3.75Kg), 13.78lbs (6.25Kg)



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

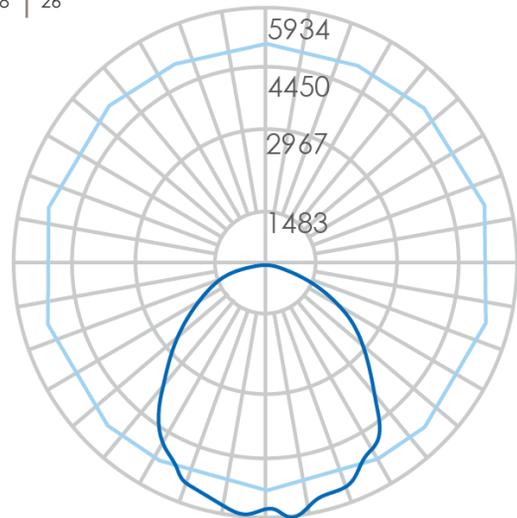
PHOTOMETRIC DATA

AE-IL-ARUV2FT120WC0NXX

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	109	105	101	97	103	96	98	93	94	90	85
	2	100	92	86	80	90	79	87	77	83	76	72
	3	91	81	73	67	80	67	77	65	74	64	61
	4	84	72	64	57	71	57	69	56	66	55	53
	5	77	65	56	50	64	49	62	49	60	48	46
	6	71	58	50	44	58	43	56	43	54	43	40
	7	66	53	45	39	52	38	51	38	49	38	36
	8	62	49	40	34	48	34	46	34	45	34	32
	9	58	45	36	31	44	31	43	31	42	31	29
	10	54	41	33	28	41	28	40	28	39	28	26

Luminance data			
Angle	0°	45°	90°
45°	62427	61964	58423
55°	57509	50925	53050
65°	45240	44212	45288
75°	23024	35202	37674
85°	7492	23109	23096

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	548.17	90-100	4.64
10-20	1559.7	100-110	2.9
20-30	2417.6	110-120	3.04
30-40	2903.4	120-130	3.28
40-50	2855.9	130-140	3.1
50-60	2350.8	140-150	3.26
60-70	1596	150-160	3.32
70-80	813.59	160-170	2.76
80-90	201.22	170-180	1.1





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