



TRINITY

INDUSTRIAL FIXTURES
Rectangular High bay

The Trinity Series industrial fixture is a linear highbay series by Aeralux. It is offered in several sizes and has several mounting methods to suit your project space. One of the distinctive feature of this fixture is the use of aluminum extrusions in order to offer the maximum surface area for the heatsinking of the led arrays. This ensures longer lifetime of the fixture while enabling a higher performance.

Project: _____
Qty: _____
Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277V, 347-480V
Power factor 0.9
Total harmonic distortion (THD) <20%
Dimming 0-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt ~140-150 LPW at 80CRI
Power 75, 100, 150, 200, 240, 300, 400W
Beam angle 120° beam angle

MECHANICAL & HOUSING

Housing Extruded aluminum for excellent heat dissipation and anti-corrosion.
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

White
Power Supply Factory wired electronic LED driver

LED Board

Discrete LED

APPLICATION CONDITION

Ambient temperature range -40 to 50°C
Protection IP40 damp location

COMPATIBLE MOUNTING

Mounting Suspended mount, 3/4" pole mount

WARRANTY

System warranty 5 years
Lumen maintenance Rated for 70% initial lumen output at 100,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 100,000 hours)

ORDERING GUIDE

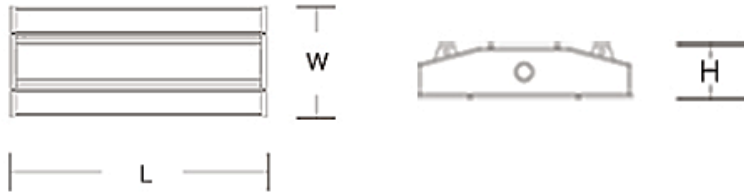
EXAMPLE: AE-IL-AHUV1L2-80WP-840

AE-IL-TR	75W-	40-	UV-	220-	120-	MS-	SS
FIXTURE FAMILY	POWER	CCT	VOLTAGE	LED CODE	BEAM ANGLE	CONTROL	DRIVER
AE-IL-TR Aeralux industrial fixtures Trinity rectangular high bay	75W- 75 Watts: 11,250 lumens	40- 4000K CCT	UV- 120-277Vac	220-	120- 120° beam angle	0-10 0-10 external dimming down to 10%	SS
	100W- 100 Watts: 15,000 lumens			280-			
	150W- 150 Watts: 22,500 lumens			440-			
	200W- 200 Watts: 30,000 lumens	560-	MS- Microwave Sensor McWong PIR Sensor 120-277Vac				
	240W- 240 Watts: 36,000 lumens	50- 5000K CCT		HV- 347-480Vac	680-	EM- Emergency battery backup	
	300W- 300 Watts: 45,000 lumens				880-		
	400W- 400 Watts: 60,000 lumens				1120-	M3- 120-480Vac bi-level motion sensor 50FT mounting height	



PRODUCT DIMENSIONS

AE-IL-AHUV1L2



POWER (W)	LENGTH (inch/ mm)	WIDTH (inch/ mm)	HEIGHT (inch/ mm)
75	22.7/ 577	10/ 254	2.32/ 59
100	22.7/ 577	10/ 254	2.32/ 59
150	22.7/ 577	10/ 254	2.32/ 59
200	43.1/ 1094	10/ 254	2.32/ 59
240	43.1/ 1094	10/ 254	2.32/ 59
300	43.1/ 1094	10/ 254	2.32/ 59
400	43.1/ 1094	10/ 254	2.32/ 59

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

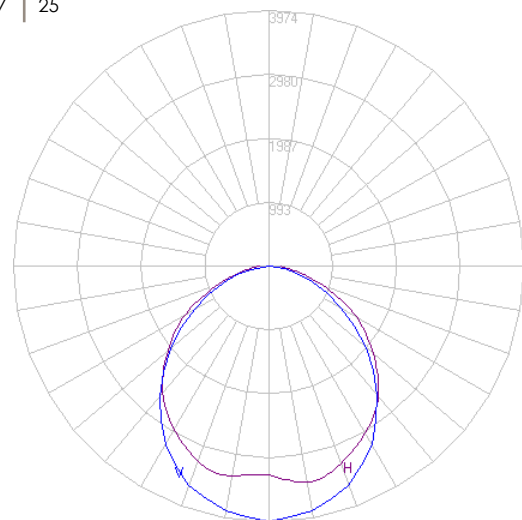
PHOTOMETRIC DATA

AE-IL-TR75W-40-UV-220-120-MS-SS

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	104	100	96	102	95	98	92	94	89	84
	2	99	91	84	79	89	78	86	76	82	74	70
	3	91	80	72	66	79	65	76	64	73	63	60
	4	83	71	62	56	70	55	67	55	65	54	51
	5	76	64	55	48	62	48	60	47	58	47	44
	6	71	57	48	42	56	42	55	41	53	41	39
	7	65	52	43	37	51	37	50	37	48	36	34
	8	61	47	39	33	47	33	45	33	44	33	31
	9	57	44	35	30	43	30	42	30	41	29	27
	10	53	40	32	27	40	27	39	27	38	27	25

Luminance data			
Angle	0°	45°	90°
45°	171133	195577	203821
55°	149954	182489	192201
65°	124967	163920	173327
75°	97337	139268	132754
85°	0	73984	139244

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	355.81	90-100	0
10-20	1054.11	100-110	0
20-30	1603.52	110-120	0
30-40	1908.98	120-130	0
40-50	1945.04	130-140	0
50-60	1694	140-150	0
60-70	1237.01	150-160	0
70-80	675.1	160-170	0
80-90	168.61	170-180	0



ACCESSORIES

Ordered separately

EMERGENCY BACK-UP BATTERY

AE-IL-TR-EM

60 minutes emergency back-up kit



LENS

AE-IL-TR-LENS

Replacement polycarbonate lens



WIRE GUARD

AE-IL-TR-WG

Protective wire guard



MOTION SENSOR

AE-IL-TR-MW-PIRS

McWong PIR motion sensor





TRINITY

INDUSTRIAL FIXTURES
Rectangular high bay

FLEXIBILITY

Easy toolless entry access to driver and internal components allows for easy installation and maintenance in necessary

MULTIPLE SIZES

Available 2 and 4FT lengths



ACCESSORIES

Accessories available for purchase with fixture such as wire guards, motion sensors, and replacement lenses

POWER OPTIONS

Input voltage ranging up to 480V with lumens packages from 75 to 400 watts and 60,000 lumens

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