



TITAN EVOLVE

INDUSTRIAL FIXTURES

Rectangular high bay



The TITAN series has a robust design which features well-distributed soft lighting, high stability, long life and elegance. This product is available in several lumen packages and in 2 possible lengths to enable maximum flexibility for factories, warehouses and school gyms. With a selectable DIP switch, the Titan EVOLVE offers the possibility to tune up and down the lumens output.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

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

PERFORMANCE

Lumens per Watt 130 LPW at 80CRI
Power 125/150/165W, 180/200/220W, 250/300W

Beam angle

120°

MECHANICAL & HOUSING

Housing 22-gauge painted sheet metal
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

Light emitted source

APPLICATION CONDITION

Ambient temperature range

-20 to 50°C

COMPATIBLE MOUNTING

Mounting

Suspended, 3/4" NPT pole (with junction box)

WARRANTY

System warranty

5 years

Lumen maintenance

Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 50,000 hours)

ORDERING GUIDE

EXAMPLE: AE-IL-TTEUV2FT165-D-35K-FR

AE-IL-TTE	UV	2FT	165	-D	-35K	-FR
FIXTURE FAMILY	VOLTAGE	SIZE	POWER	CONTROLS	CCT	LENS
AE-IL-TTE Aeralux Titan EVOLVE industrial fixtures rectangular high bay	UV 120-277Vac input voltage range	2FT 2 feet length	165 125/150/165 watts: 16250/19500/21450 lumens selectable	-D 0-10V external dimming down to 10%	-35K 3500K CCT	-FR Frosted lens
	CA 120-347Vac input voltage range	4FT 4 feet length	220 180/200/220W: 23400/26000/28600 lumens selectable		-MS Motion Sensor	
			300 250/300W: 32500/39000 lumens selectable	-50K 5000K CCT		





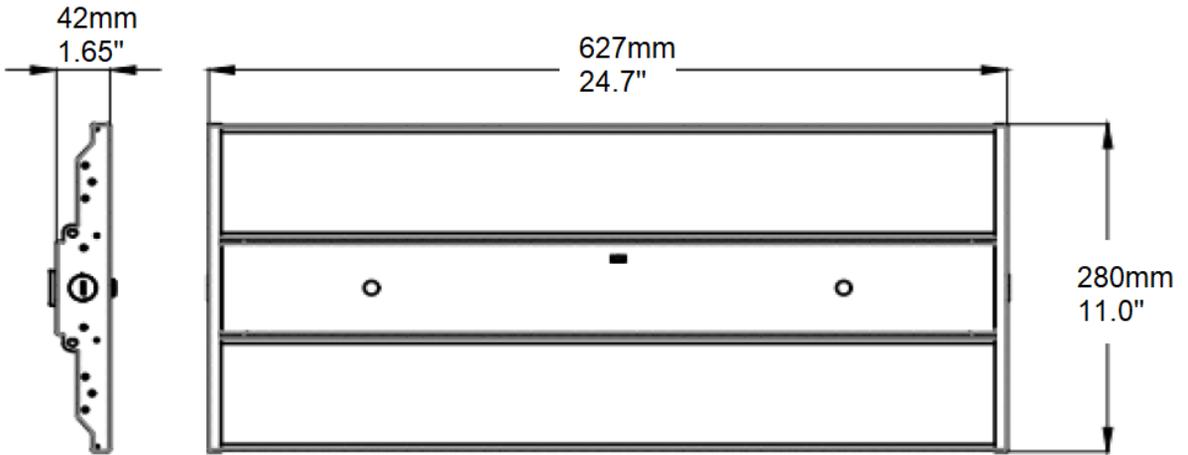
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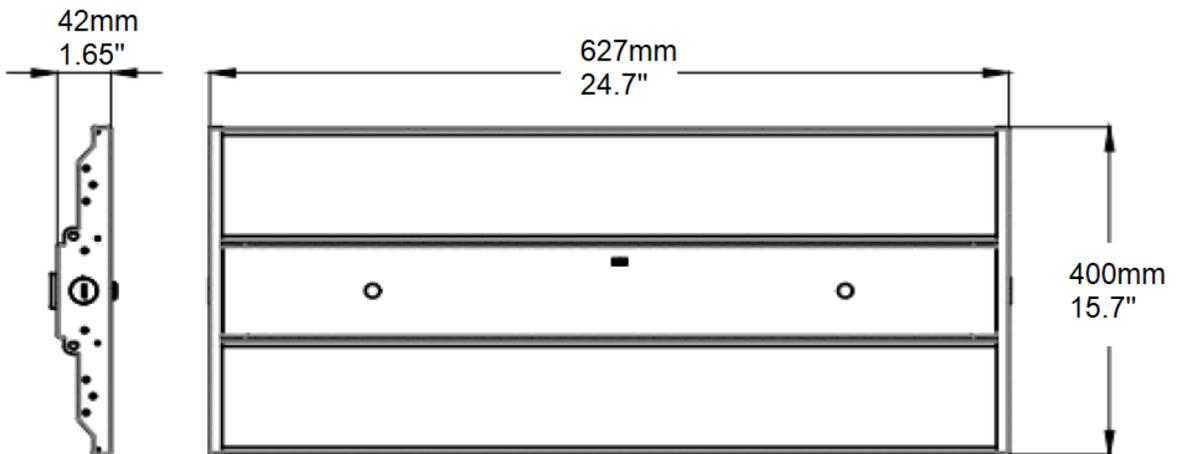
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PRODUCT DIMENSIONS

AE-IL-TTEXX2FT165



AE-IL-TTEXX2FT220





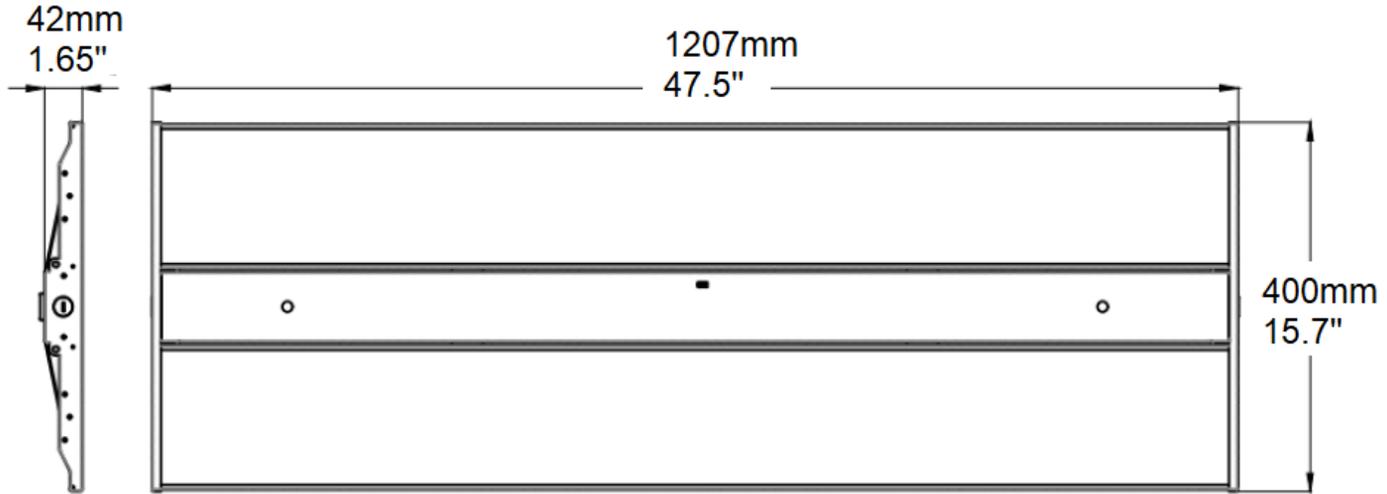
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PRODUCT DIMENSIONS

AE-IL-TTEXX4FT300





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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

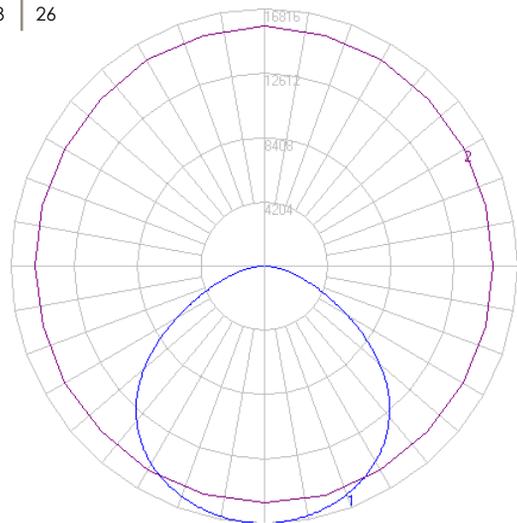
PHOTOMETRIC DATA

AE-IL-TTEUV4FT300-D-35K-FR (300W)

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%										
	119	119	119	119	116	116	111	111	106	106	100
1	110	105	101	98	103	96	99	93	95	90	86
2	100	93	86	81	91	80	87	78	84	76	72
3	92	82	74	68	80	67	77	66	75	65	62
4	84	73	64	58	71	57	69	57	67	56	53
5	78	65	56	50	64	50	62	49	60	49	46
6	72	59	50	44	58	44	56	43	54	43	40
7	67	53	45	39	53	39	51	38	50	38	36
8	62	49	40	35	48	35	47	34	45	34	32
9	58	45	37	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°	32680	34367	36106
55°	27072	29753	32645
65°	19263	21954	25270
75°	13792	16317	18741
85°	5258	11121	14959

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	1593.61	90-100	2.35
10-20	4606.54	100-110	3.57
20-30	7098.1	110-120	4.06
30-40	8691.55	120-130	4.97
40-50	8887.34	130-140	5.78
50-60	7201.75	140-150	5.67
60-70	4406.47	150-160	4.69
70-80	2121.95	160-170	3.15
80-90	506.02	170-180	1.11





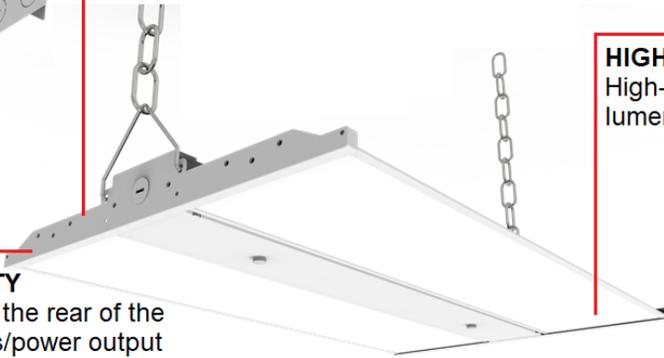
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MULTIPLE MOUNTING OPTIONS
Suspension cable with v-bracket or pole mount with junction box option



HIGH-EFFICACY OUTPUT
High-lumen output up to 145 lumen per watt

LUMEN SELECTABILITY
Using the DIP switch on the rear of the fixture adjust the lumens/power output providing an unparalleled level of fixture flexibility



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