TRINITY

INDUSTRIAL FIXTURES
Rectangular High Bay











The Trinity Series industrial fixture is a linear highbay series by ERALUX. 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.

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ORDERING CODE	AE-IL-TR						ss

OPERATING & ELECTRICAL				
INPUT VOLTAGE	120-277V, 347-480V			
POWER FACTOR	0.9			
DIMMING	0-10V			
TOTAL HARMONIC DISTORTION (THD)	<20%			

PERFORMANCE				
LUMENS PER WATT	~140-150 LPW at 80CRI			
POWER	75, 100, 150, 200, 240, 300, 400W			
BEAM ANGLE	90°,120°, 50x90°			

MECHANICAL & HOUSING				
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			

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AMBIENT TEMPERTURE RANGE	-40°C to 50°C
PROTECTION	IP40 damp location

COMPATIBLE MOUNTING

MOUNTING Suspended mount 3/4" pole mount

WARRANTY

SYSTEM WARRANTY - 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE - L70 at 100,000 hours

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).



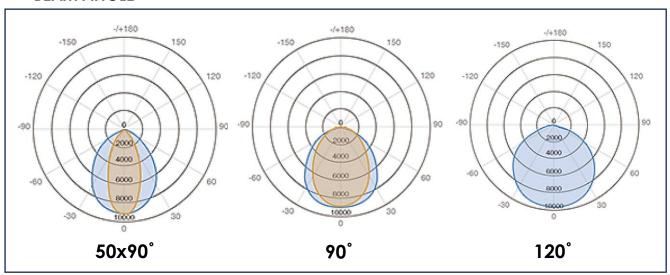
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ORDERING GUIDE

EXAMPLE: AE-IL-TR75W-40-UV-220-120-0-10SS

FIXTURE FAMILY	POWER	ССТ	VOLTAGE	LED CODE	BEAM ANGLE	CONTROL	DRIVER
AE-IL-TR					-		SS
AE-IL-TR ERALUX industrial fixtures Trinity rectangular high bay	75W- 75 Watts: 11,250 lumens	40- 4000K	UV- 120-277Vac HV- 347-480Vac	220-	90- 90° beam	0-10 0-10 external dimming down to 10%	SS
	100W- 100 Watts: 15,000 lumens	ССТ		280-	angle		
	150W- 150 Watts: 22,500 lumens			440-	120- 120° beam	MS- Microwave Sensor	
	200W- 200 Watts: 30,000 lumens			560-	angle	PIR Sensor	
	240W-	50-		680-	5090-		SS-6'Cord Nema Plug
	240 Watts: 36,000 lumens	5000K CCT		50x90° beam angle		EM- Emergency battery	- Nema Hog
	300W- 300 Watts: 45,000 lumens			880-		backup	
	400W- 400 Watts: 60,000 lumens			1120-			

BEAM ANGLE





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LUMEN ESTIMATE

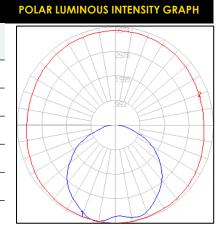
Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors						
CCT	2700K	3000K	3500K	4000K		
NORMAL (80CRI)	0.91	0.94	0.97	1		

PHOTOMETRIC DATA

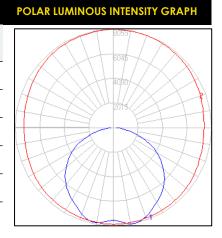
AE-IL-TR75W-40-UV-220-120-XX-SS 4000k CCT 75 WATTS 120 BEAM ANGLE

ZONA	ZONAL LUMEN SUMMARY						
ZONE	LUMENS	% OF FIXTURE					
0-20°	1409.92	13.2					
0-30°	3013.44	28.3					
0-40°	4922.43	46.30					
0-60°	8561.46	80.40					
0-80°	10473.57	98.40					
0-90°	10642.18	100.00					



AE-IL-TR4150W-40-UV-220-120-XX-SS 150 WATTS 120 BEAM ANGLE 4000K CCT

ZONAL LUMEN SUMMARY							
	ZONE	LUMENS	% OF FIXTURE				
	0-20°	2903.49	12.8				
	0-30°	6207.15	27.4				
	0-40°	10176.61	44.9				
	0-60°	17953.69	79.3				
	0-80°	22304.32	98.5				
	0-90°	22650.12	100				



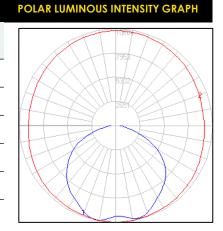


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PHOTOMETRIC DATA (Continued)

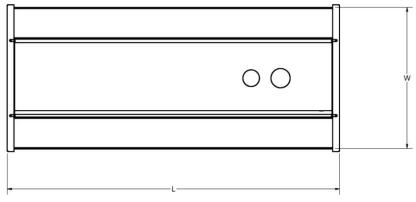
AE-IL-TR200W-40-UV-220-120-XX-SS 200 WATTS 120 BEAM ANGLE 4000K CCT

ZONAL LUMEN SUMMARY								
ZONE	LUMENS	% OF FIXTURE						
0-20°	3794.1	12.8						
0-30°	8128.36	27.4						
0-40°	13360.72	45						
0-60°	23754.82	80.1						
0-80°	29398.3	99.1						
0-90°	29670.91	100						

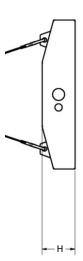


PRODUCT DIMENSIONS

AE-IL-TR



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	





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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-MS-PIRS

PIR motion sensor





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ACCESSORIES (Continued)

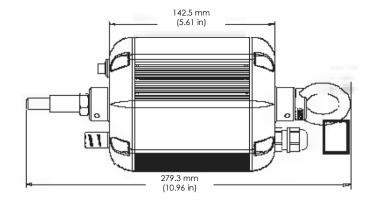
Ordered separately, field installed

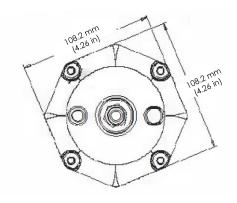
EMERGENCY LED DRIVER (BLD-UM60D/R-YYY)



BLD-UMXXX-YYY series LED Emergency Driver is UL listed for field and factory installation that allows the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the emergency driver switches to emergency mode and operates the fixture for to 90 minutes. The unit contains a battery, charge, and converter circuit in a single enclosure. This module will operate a LED array load at 30-60W with constant power at a rated output voltage of 170VDC. The constant power design of BLD-UMXXX-YYY maintains the output wattage to the LED array, providing consistent illumination for the entire emergency runtime. Ideal for use with most 0-10V dimmable indoor industrial LED lighting fixtures, such as LED flat panel, troffer, and suspension mounting UFOs lights, etc.

DIMENSIONS (inches and mm)







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OVERVIEW

