

The AEI LED COURT PLUS is perfect for all tennis court, sport court or gymnasium high-density lighting applications. The COURT PLUS's array of LEDs provide indirect yet uniform lighting for all types of indoor or outdoor area and surface applications. The COURT PLUS's unparalleled energy savings, makes it the best option for replacing traditional, metal halide lighting.

INDIRECT SPORT COURT Fixture & METAL HALIDE REPLACEMENT



Bottom View



Lamp View



FEATURES

- USA-Made Housing and Construction
- High lumen LED output with multiple lumen output options
- Available in multiple colors and finishes
- Rated for a wide range of operating temperatures from:
-40°C to 45°C, -40°F to 113°F
- 5-Year Limited Warranty on all fixture components

OPTICAL

- Lumen packages offered:
 - 14,000 - 22,800 lumens
 - 36,000 - 47,000 lumens
- Available in 2700K, 3000K, 3500K, 4000K and 5000K CCT options
- Available in 70, 80 and 90 CRI package options (5000K CCT only available w/ 70 CRI)
- 100+ lm/W light efficacy Bridgelux Vero light engines
- L70 lifetime >50,000 hours when operating within specified temperatures

HOUSING

- Proudly Made-in-The-USA
- All-aluminum housing for maximum heat dissipation to ensure unparalleled lumen maintenance and long usable life
- Custom wire guard (if needed)
- Anodized aluminum heat sinks with integrated active cooling
- Custom mounting to fit every application's mounting needs

ELECTRICAL

- Universal input voltage 120-277 VAC, with 347-480 VAC options available
- 0-10V dimming option
- Occupancy and other control system options available. Contact AEI for all choices.

APPLICATIONS

- Indirect tennis court lighting
- Indirect sport court lighting
- Gymnasiums
- 250-1000W metal halide replacement

FINISH

- Durable powder-coat finish provides protection from extreme environments
- Available in a wide variety of colors and finishes. Contact AEI for all options.



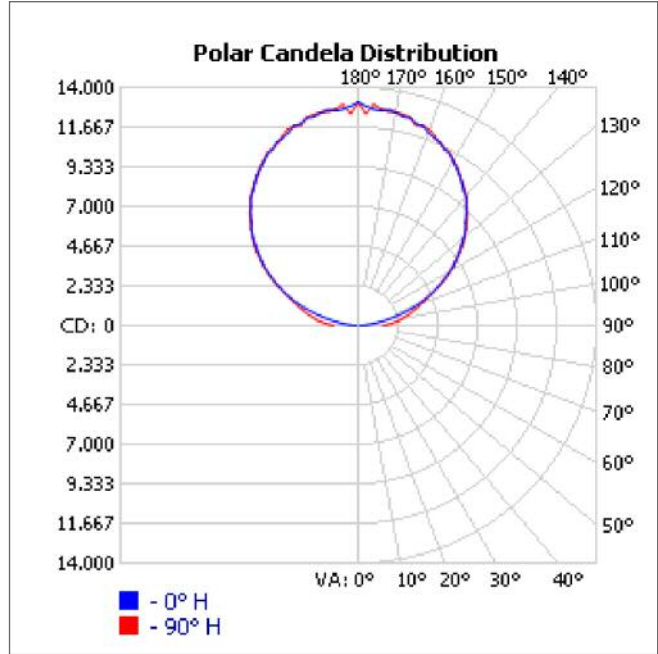
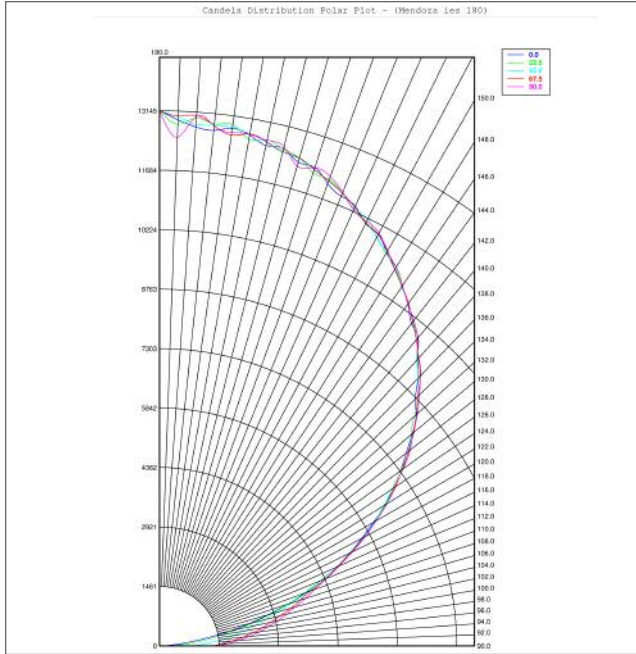
AEI LIGHTING

INDIRECT SPORT COURT Fixture & METAL HALIDE REPLACEMENT

AEI LED COURT PLUS

TENNIS COURT/SPORT COURT INDIRECT LUMINAIRE

PHOTOMETRY



LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	0	0.0%	90-100	1,496.2	3.8%
10-20	0	0.0%	100-110	3,086.4	7.8%
20-30	0	0.0%	110-120	4,948.5	12.5%
30-40	0	0.0%	120-130	6,397.3	16.1%
40-50	0	0.0%	130-140	6,952.2	17.5%
50-60	0	0.0%	140-150	6,593.9	16.6%
60-70	0	0.0%	150-160	5,397.1	13.6%
70-80	0	0.0%	160-170	3,528.2	8.9%
80-90	0	0.0%	170-180	1,225.7	3.1%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0-30	0	0%
0-40	0	0%
0-60	0	0%
60-90	0	0%
70-100	1,496.2	3.8%
90-120	9,531.1	24.1%
0-90	0	0%
90-180	39,625.5	100%
0-180	39,625.5	100%

LCS TABLE

BUG RATING	B5 - U5 - G5	LUMENS	LUMENS %
FORWARD LIGHT			
LOW(0-30)		5,425.1	13.7%
MEDIUM(30-60)		14,821.5	37.4%
HIGH(60-80)		13,215.0	33.3%
VERY HIGH(80-90)		7,031.6	17.7%
BACK LIGHT			
LOW(0-30)		5,425.1	13.7%
MEDIUM(30-60)		14,821.5	37.4%
HIGH(60-80)		13,215.0	33.3%
VERY HIGH(80-90)		7,031.6	17.7%
UPLIGHT			
LOW(90-100)		1,496.5	3.8%
HIGH(100-180)		38,129.4	96.2%
TRAPPED LIGHT:		0	0%

ORDERING GUIDE

Series	Model	Light Engine	CCT	CRI	Voltage	Finish	Mounting	Options
TLU								
MODEL	4BL-V18=4 Bridgelux Vero 18 Chips (This chip has the lower lumen output range) 4BL-V29=4 Bridgelux Vero 29 Chips (This chip has the higher lumen output range) Consult AEI For Custom Configurations	LIGHT ENGINE 14L=14,000-22,800 lumens (4BL-V18) 36L=36,000-47,000 lumens (4BL-V29)	CCT/LAMP COLOR 27K=2700K 30K=3000K 35=3500K 40=4000K 50=5000K Leave Blank If No Lamps Consult Factory For Custom Applications and Ordering Number	CRI 70 = 5000K is available w/70 CRI 80 = 2700K, 3000K, 3500K and 4000K are available w/80 CRI 90 = 2700 & 3000K are available with 90 CRI 97 = 2700 & 3000K are available with 97 CRI	VOLTAGE UN=120-277 VAC 347/480=347-480 VAC	FINISH Durable powder coating available in a variety of colors. Consult Factory For Color Options	MOUNTING SI=Strut PC=Pendant Custom Consult Factory For Other Mounting Options	SENSORS OCC=Occupancy Sensor Consult Factory For Sensor Options OTHER Consult Factory For Other Controls or Options

5-YEAR LIMITED WARRANTY
VISIT AEILighting.com for Details
480-733-6594

