

# LARGE LED AREA LIGHT

U.4.9.19

**AXK45**  
LED

**Model:**  
**AXK45**

**Housing:**

Die cast aluminum housing and front frame, integral heat sink and driver compartment. Powdercoat finish over a chromate conversion coating. Photocell adaptable.

**Lens:**  
Clear Flat Glass Lens

**Wattage:**  
177W / 281W

**Mounting:**

Mounts standard to square poles or flat surfaces. An optional 5" round adapter is available

**Delivered Lumens:**

177W: 18,522 - 22,118  
281W: 25,737 - 33,449

**Options:**

**R7** 7-Pin ANSI O136.41—2013 Twist Lock Photocell Receptacle with shorting cap included  
**RA4-6** 4"-6" Round Pole Adapter  
**WM** Wall Mount Bracket

**Driver:**

Electronic Driver, 120-277V, 50/60Hz, 0-10v Dimmable  
Built in surge protector

**Ratings:**

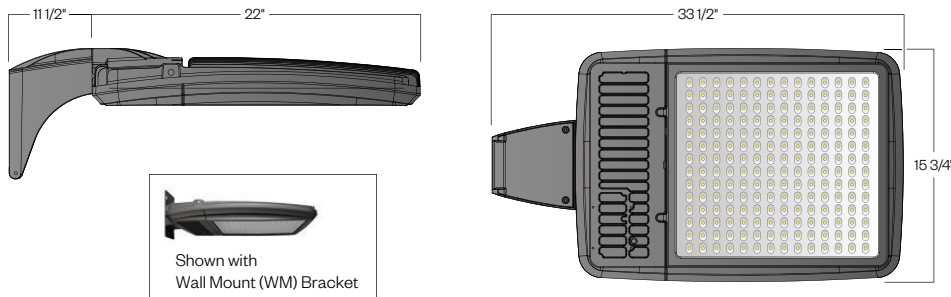
CSA: listed for wet locations. LM-79 report available on select models.

**Light Distribution:**

- T1** (Type I)
- T2** (Type II)
- T3** (Type III)
- T4** (Type IV)
- T5** (Type V)

**Finish:**

- Z** (Bronze)
- C** (Custom)



**Ordering Information**

Model	Light Distribution	Code	CCT	CRI	Nominal Input Power	Finish	Options
<b>AXK45</b>	<b>T1</b>	<b>4H</b>	4,000K	80	281W	<b>Z</b> <b>C</b>	<b>R7</b> <b>RA4-6</b> <b>WM</b>
	<b>T2</b>	<b>5H</b>	5,000K				
	<b>T3</b>	<b>4L</b>	4,000K	80	177W		
	<b>T4</b>	<b>5L</b>	5,000K				
	<b>T5</b>						

Ordering options in **BOLD**

PROJECT:

TYPE:

**5** year limited warranty  
AMERLUX LED



Part String

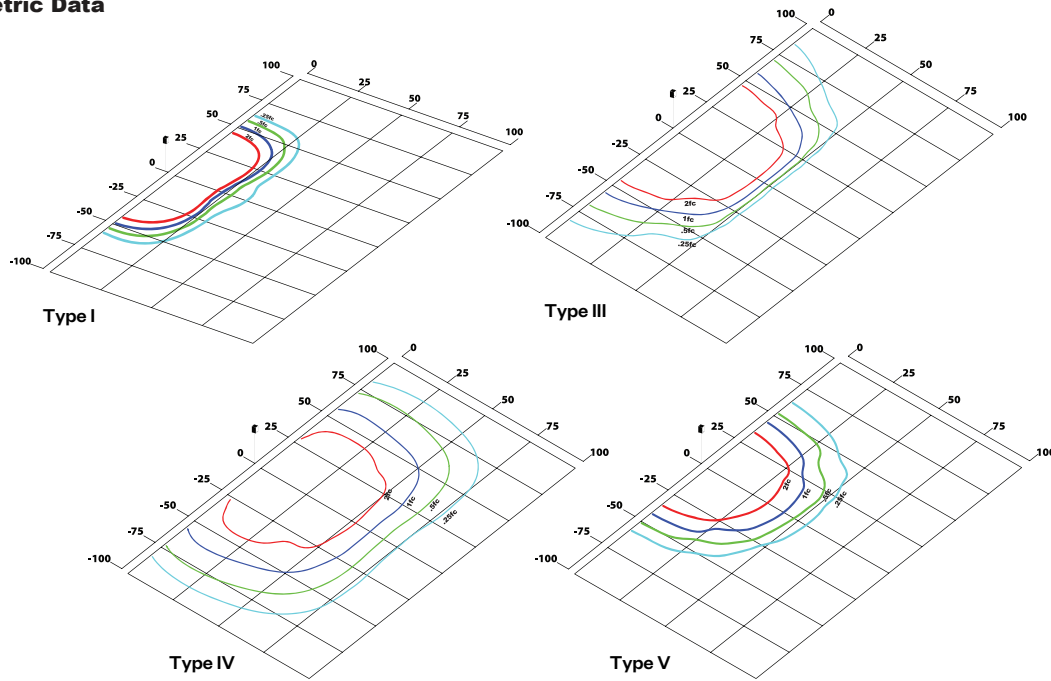
Example: AXK45/T5/5H/Z

Amerlux reserves the right to change details that do not affect overall function and performance.



### Photometric Data

Grid in MH  
MH=25 Feet



### Projected Lumen Maintenance

Data shown for 5000 CCT		Input Watts	Initial	Compare to MH			Calculated L70 @ 25°C
TM-21-11	25,000 Hrs			50,000 Hrs	100,000 Hrs		
L70 Lumen Maintenance @ 25°C / 77°F	177	1.00	0.98	0.96	0.92	393,000	
L70 Lumen Maintenance @ 25°C / 77°F	281	1.00	0.97	0.95	0.90	290,000	
TM-21-11		Input Watts	Initial	Compare to MH			Calculated L70 @ 50°C
25,000 Hrs	50,000 Hrs			100,000 Hrs			
L70 Lumen Maintenance @ 50°C / 122°F	177	1.00	0.96	0.91	0.82	114,000	
L70 Lumen Maintenance @ 50°C / 122°F	281	1.00	0.94	0.88	0.76	84,000	
TM-21-11		Input Watts	Initial	Compare to MH			Calculated L80 @ 40°C
25,000 Hrs	50,000 Hrs			100,000 Hrs			
L80 Lumen Maintenance @ 40°C / 104°F	177	1.00	0.97	0.94	0.89	180,000	
L80 Lumen Maintenance @ 40°C / 104°F	281	1.00	0.95	0.91	0.81	108,000	

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

Model	Nominal Input Power	Light Distribution	Code	CCT	Lumens	LPW	B	U	G	CRI	Finish	Option
AXK45	281W	T1	4H	4,000K	29,763	108	5	0	3	80	Z C	R7 RA4-6
			5H	5,000K	31,918	116	5	0	3			
		T2	4H	4,000K	28,393	103	3	0	3			
			5H	5,000K	30,449	111	3	0	3			
		T3	4H	4,000K	31,191	114	4	0	4			
			5H	5,000K	33,449	122	4	0	4			
		T4	4H	4,000K	25,737	94	3	0	4			
			5H	5,000K	27,600	101	3	0	4			
		T5	4H	4,000K	29,763	108	5	0	2			
		5H	5,000K	31,907	116	5	0	2				
	177W	T1	4L	4,000K	19,416	109	4	0	3			
			5L	5,000K	20,821	116	4	0	2			
		T2	4L	4,000K	18,522	104	3	0	3			
			5L	5,000K	19,863	111	3	0	2			
		T3	4L	4,000K	20,347	114	3	0	3			
			5L	5,000K	21,820	122	3	0	3			
		T4	4L	4,000K	20,625	115	3	1	4			
			5L	5,000K	22,118	124	3	1	4			
		T5	4L	4,000K	19,409	109	4	0	1			
			5L	5,000K	20,814	116	4	0	1			

Ordering options in **BOLD**