



Consistent with LEED® goals  
& Green Globes™ criteria  
for light pollution reduction

# Autobahn Series ATBM Roadway

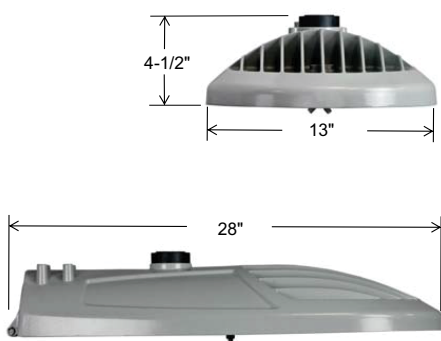
## PRODUCT OVERVIEW



### Applications:

Residential streets  
Parking lots  
High speed roadways

### DIMENSIONS



Effective Projected Area (EPA)  
The EPA for the ATBM is 0.3 sq. ft.,  
Approx. Wt. = 21 lbs. (9.5 kg)

### STANDARDS

Color temperatures of  $\leq 3000\text{K}$  must be specified for International Dark-Sky Association certification.

Rated for  $-40^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  ambient

CSA Certified to U.S. and Canadian standards

Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

### Features:

#### OPTICAL

Same Light: Performance is comparable to 150W – 250W HPS

White Light: Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.

IP66 rated borosilicate glass optics ensure longevity and minimize dirt depreciation. Unique IP66 rated LED light engines provide 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing.

Available distributions are Type II, III, IV, & V roadway distributions.

#### ELECTRICAL

Expected Life: LED light engines are rated  $>100,000$  hours at  $25^{\circ}\text{C}$ , L70.

Electronic driver has an expected life of 100,000 hours at a  $25^{\circ}\text{C}$  ambient.

Lower Energy: Saves an expected 40-60% over comparable HID luminaires.

Robust Surge Protection: Standard surge protection is 20kV/10kA "Extreme Level" per ANSI C136.2. An optional MOV pack provides 10kV/5kA "Enhanced Level."

#### MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easy leveling at installation.

Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. The 2 – bolt and optional 4 bolt clamping mechanism provide 3G vibration rating per ANSI C136.31.

The Wildlife shield is cast into the housing (not a separate piece).

#### CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 7 pin receptacle optionally available.

Premium solid state locking-style photocontrol – PCSS (10 year rated life) Extreme long life solid state locking-style photocontrol – PCL1 (20 year rated life).

Extreme long life solid state locking-style photocontrol with on demand remote on/off control – PCCC (15 year rated life).

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

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## Roadway

### ORDERING INFORMATION

Series	Performance Packages	Voltage	Optics	Mounting
<b>ATBM</b> Autobahn LED Roadway	<b>P05</b> 9,700 lumens <b>P10</b> 11,000 lumens <b>P20</b> 12,800 lumens <b>P30</b> 15,500 lumens <b>P40</b> 17,400 lumens <b>P50</b> 18,700 lumens <b>P60</b> 20,000 lumens <b>P70</b> 21,500 lumens	<b>MVOLT</b> Multi-volt, 120-277V <b>347</b> 347V <b>480</b> 480V	<b>R2</b> Roadway Type II <b>R3</b> Roadway Type III <b>R4</b> Roadway Type IV <b>R5</b> Roadway Type V	<b>(Blank)</b> 2 Bolt Mounting <b>4B</b> 4 Bolt Mounting

Options
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#### Color Temperature (CCT)

<b>(Blank)</b>	4000K CCT, 70 CRI Min.
<b>3K</b>	3000K CCT, 70 CRI Min.
<b>5K</b>	5000K CCT, 70 CRI Min.

#### Paint

<b>(Blank)</b>	Gray
<b>BK</b>	Black
<b>BZ</b>	Bronze
<b>DDB</b>	Dark Bronze
<b>GI</b>	Graphite
<b>WH</b>	White

#### Surge Protection

<b>(Blank)</b>	Standard 20kV/10kA SPD
<b>MP</b>	MOV Pack

#### Miscellaneous Options

<b>HSS</b>	House Side Shield
<b>NL</b>	NEMA Label Indicating Wattage
<b>XL</b>	Not CSA Certified – No Terminal Block Cover
<b>UMR-XX</b>	8" Horizontal Arm for Round Pole, Painted to match Fixture
<b>UMS-XX</b>	8" Horizontal Arm for Square Pole, Painted to match Fixture
<b>UMR-GALV</b>	8" Horizontal Arm for Round Pole, Galvanized
<b>UMS-GALV</b>	8" Horizontal Arm for Square Pole, Galvanized

#### Control Options

<b>(Blank)</b>	3 Pin NEMA Photocontrol Receptacle
<b>P7</b>	7 Pin Photocontrol Receptacle (dimmable driver included) <sup>1</sup>
<b>NR</b>	No Photocontrol Receptacle
<b>A0</b>	Field Adjustable Output <sup>3</sup>
<b>DM</b>	0-10V Dimmable Driver <sup>2</sup>
<b>PCSS</b>	Solid-State Lighting Photocontrol <sup>4</sup>
<b>PCLL</b>	Solid-State Long Life Photocontrol
<b>PCCC</b>	Solid-State Long Life Photocontrol with remote control on/off <sup>4</sup>
<b>SH</b>	Shorting Cap

#### Packages

<b>(Blank)</b>	Standard Pack
<b>JP</b>	Job Pack (36/pallet)

#### Accessories

<b>ATBMHSS</b>	House Side Shield
<b>ATBMLTS</b>	Light Trespass Shield
<b>RKATBMMVOLTSPD</b>	ATBM Acuity SPD, MVOLT
<b>RKATBMHVSPD</b>	ATBM Acuity SPD, 347/480V
<b>RKATBMMVOLTMP</b>	ATBM MOV Pack, MVOLT
<b>RKATBMHVMP</b>	ATBM MOV Pack, 347/480V

#### Notes:

- 1 Dimmable Driver included. Not available with DM or NR.
- 2 Controls by others. Not available with P7 or A0.
- 3 Not available with DM.
- 4 MVOLT only.



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
[www.americanelectriclighting.com](http://www.americanelectriclighting.com)

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**Warranty** Five-year limited warranty. Complete warranty terms located at:

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### PERFORMANCE PACKAGE

Performance Package	Distribution	Input Watts	3K (3000K CCT, 70 CRI)					4K/5K (4000K/5000K CCT, 70 CRI)					LLD @ 25°C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	25k Hours	75k Hours	100k Hours
P05	R2	68	9,396	138	1	0	2	9,718	143	1	0	2	0.93	0.86	0.83
	R3		9,366	138	1	0	3	9,688	142	1	0	3			
	R4		9,030	133	1	0	3	9,340	137	1	0	3			
	R5		10,334	152	3	0	2	10,689	157	3	0	2			
P10	R2	81	10,635	131	2	0	3	11,299	139	2	0	3	0.93	0.86	0.83
	R3		10,675	132	2	0	3	11,302	140	2	0	3			
	R4		10,391	128	2	0	4	10,994	136	2	0	4			
	R5		11,504	142	3	0	2	12,086	149	3	0	2			
P20	R2	94	12,073	128	2	0	3	12,874	137	2	0	3	0.93	0.86	0.83
	R3		12,065	128	2	0	3	12,818	136	2	0	3			
	R4		11,946	127	2	0	4	12,525	133	2	0	4			
	R5		13,085	139	4	0	2	13,776	147	4	0	2			
P30	R2	118	14,637	124	2	0	3	15,514	131	2	0	3	0.93	0.86	0.83
	R3		14,631	124	2	0	3	15,452	131	2	0	3			
	R4		14,317	121	2	0	4	15,151	128	2	0	5			
	R5		15,775	134	4	0	2	16,685	141	4	0	2			
P40	R2	135	16,233	120	2	0	3	17,493	130	2	0	3	0.93	0.86	0.83
	R3		16,402	121	2	0	3	17,367	129	2	0	3			
	R4		15,911	118	2	0	5	17,008	126	2	0	5			
	R5		17,507	130	4	0	2	18,595	138	4	0	2			
P50	R2	152	17,541	115	2	0	3	18,748	123	2	0	3	0.93	0.86	0.83
	R3		17,677	116	2	0	4	18,712	123	2	0	4			
	R4		17,154	113	2	0	5	18,246	120	2	0	5			
	R5		19,008	125	4	0	2	20,088	132	4	0	2			
P60	R2	168	18,770	112	2	0	3	20,095	120	3	0	3	0.93	0.86	0.83
	R3		18,830	112	2	0	4	20,094	120	3	0	4			
	R4		18,369	109	2	0	5	19,648	117	2	0	5			
	R5		20,350	121	4	0	2	21,505	128	4	0	2			
P70	R2	190	20,190	106	3	0	3	21,565	114	3	0	3	0.93	0.86	0.83
	R3		20,142	106	3	0	4	21,504	113	3	0	4			
	R4		19,660	103	2	0	5	21,024	111	3	0	5			
	R5		21,988	116	4	0	2	23,076	121	4	0	2			

**Note:** Individual fixture performance may vary. Specifications subject to change without notice.



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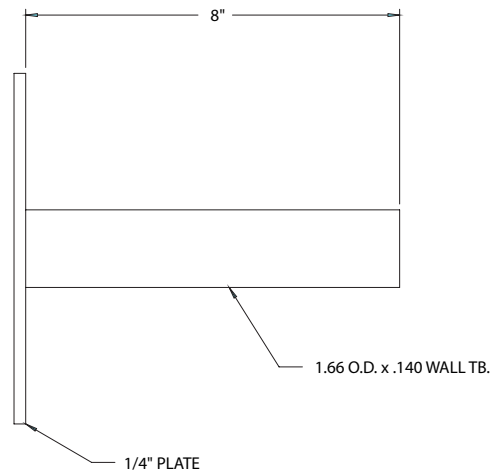
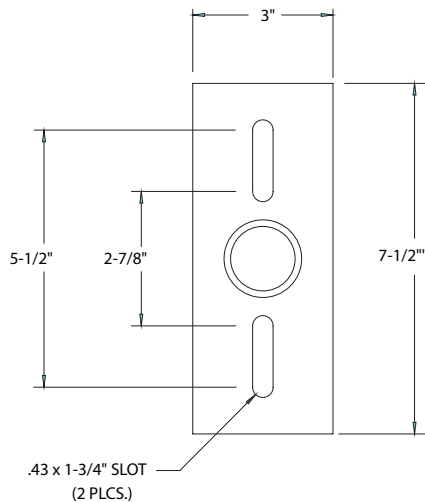
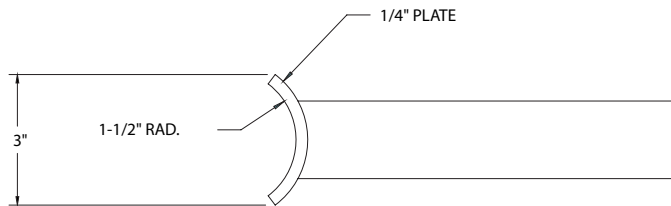
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### UMR POLE ADAPTOR

RECOMMENDED FOR USE WITH POLES OF 4" DIAMETER OR SMALLER



### UMS POLE ADAPTOR



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