



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



Autobahn Series ATB0 - Solar Roadway Lighting

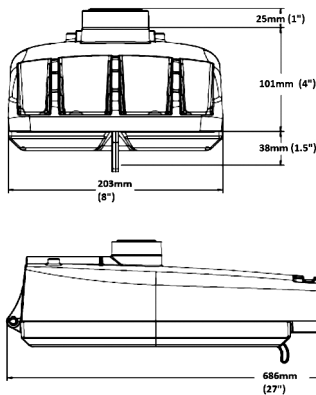
PRODUCT OVERVIEW



Applications:

Roadways
Off ramps
Residential streets
Parking lots

DIMENSIONS



Effective Projected Area (EPA): The EPA for the ATB0 is 0.76 sq. ft.
Approx. Wt. = 14 lbs.

STANDARDS

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

Rated for -40°C to 40°C ambient

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

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buyamerican for additional information.

Features:

OPTICAL

The Autobahn's new molded silicone optics provide exceptional performance. Silicone optics are superior to other polymeric materials in the areas of; optical efficiency, thermal performance, and reduction in dirt accumulation, all of which can lead to long term lumen degradation and a shift in optical distribution. Also, because silicone allows for the molding of fine details as well as thick sections, it produces the most crisp, clean and well-defined lighting distributions available. Silicone optics paired with modern LED's allow the Autobahn to take full advantage of both technologies.

Same Light: Performance is comparable to 100 - 400W HPS roadway luminaires.

White Light: Correlated color temperature - 4000K, or optional 2700K, 3000K or 5000K, all 70 CRI minimum.

Unique IP66 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, III, IV, and V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated $>100,000$ hours at 25°C , L70.

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

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 easily 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 7 (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. Provides a 3G vibration rating per ANSI C136.31

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

Note: Specifications subject to change without notice. Actual performance may differ as a result of end-user environment and application.

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ORDERING INFORMATION

Series	Performance Packages	Solar	Optics
ATB0 Autobahn LED Roadway	P201 5,369 lumens nominal P202 6,943 lumens nominal P203 10,056 lumens nominal P204 12,176 lumens nominal P205 13,767 lumens nominal	Solar Only Compatible with Sol By Sunna Design's Solar Lighting Solutions ¹	R2 Roadway Type II R3 Roadway Type III R4 Roadway Type IV R5 Roadway Type V
Options			
<u>Color Temperature (CCT)</u> (Blank) 4000K CCT, 70 CRI Min. 27K 2700K CCT, 70 CRI Min. 3K 3000K CCT, 70 CRI Min. 5K 5000K CCT, 70 CRI Min.	<u>Misc.</u> BL External Bubble Level HSS House-Side Shield NL Nema Label XL Not CSA Certified UMR-XX 8" Horizontal Arm for Round Pole, Painted to match Fixture UMS-XX 8" Horizontal Arm for Square Pole, Painted to match Fixture UMR-GALV 8" Horizontal Arm for Round Pole, Galvanized UMS-GALV 8" Horizontal Arm for Square Pole, Galvanized BAA Buy America(n) Act Compliant	<u>Accessories:</u> House Side Shields for field installation ATB0P20XR2/R5HSS for use with P201 - P205, R2 & R5 distributions ATB0P20XR3/R4HSS for use with P201 - P205, R3 & R4 distributions ATB0P30XR2/R5HSS for use with P301 - P305, R2 & R5 distributions ATB0P30XR3HSS for use with P301 - P305, R3 distribution ATB0P30XR4HSS for use with P301 - P305, R4 distribution ATB0P45XR2/R5HSS for use with P451 - P457, R2 & R5 distributions ATB0P45XR3HSS for use with P451 - P457, R3 distribution	
<u>Paint</u> (Blank) Gray (Standard) BK Black BZ Bronze DDB Dark Bronze WH White	<u>Packaging</u> (Blank) Single Unit (Standard) JP Job Pack (42/Pallet)		
<u>Terminal Block</u> (Blank) Terminal Block (Standard)			

Notes:

1. No Driver included, input power managed via Sol By Sunna's Solar Engine. Wattage depends on project location and Solar Engine size.



AEL Headquarters, One Lithonia Way, Conyers Georgia 30012
www.americanelectriclighting.com Phone: 1-866-HOLOPHANE
Email: TechSupportINF@AcuityBrands.com

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Warranty Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

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Autobahn Series ATB0 - Solar Roadway Lighting

PERFORMANCE PACKAGE

ATB0	Distribution	Input Watts	2700K	3000K	4000K/5000K
			Lumens	Lumens	Lumens
P201	R2	*	4,983	5,473	5,488
	R3		4,952	5,107	5,553
	R4		5,045	5,130	5,346
	R5		5,084	5,384	5,387
P202	R2	*	6,429	7,100	7,203
	R3		6,390	6,679	7,237
	R4		6,517	6,749	6,906
	R5		6,560	6,988	6,951
P203	R2	*	9,005	10,050	10,150
	R3		8,951	9,471	10,260
	R4		9,494	9,673	10,060
	R5		9,188	9,784	9,736
P204	R2	*	11,007	11,800	12,410
	R3		10,940	11,490	12,470
	R4		11,485	11,900	12,170
	R5		11,230	11,780	11,900
P205	R2	*	12,339	12,650	13,920
	R3		12,264	13,110	14,130
	R4		13,051	13,680	13,830
	R5		12,589	13,080	13,340

*Wattage depends on project location and Solar Engine size. Contact the Sol By Sunna Design's Sales Team for quoting your Acuity Solar Lighting Solutions.
Email: sales@solarlighting.com or Call: 1-800-959-1329

ATB0	15C	20C	25C	30C	35C	40C
LLD Multiplier	1.02	1.01	1.00	0.99	0.98	0.97

To calculate the LLD for a temperature other than 25°C, multiply the LLD @ 25°C (shown in the performance package table) by the LLD multiplier for the selected temperature.



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PERFORMANCE PACKAGE

LLD @ 25°C

ATB0	R2, R3 Distributions 3000K & 4000K CCT			R2, R3 Distributions 2700K & 5000K CCT*			R4 & R5 Distributions Any CCT		
	50k Hours	75k Hours	100k Hours	50k Hours	75k Hours	100k Hours	50k Hours	75k Hours	100k Hours
P201	0.96	0.95	0.94	0.92	0.88	0.85	0.92	0.88	0.85
P202	0.96	0.95	0.94	0.92	0.88	0.85	0.92	0.88	0.85
P203	0.96	0.95	0.93	0.91	0.88	0.85	0.91	0.88	0.85
P204	0.96	0.95	0.93	0.91	0.88	0.84	0.91	0.88	0.84
P205	0.96	0.95	0.93	0.91	0.87	0.83	0.91	0.87	0.83

* Also includes any custom (non-catalog) CCT



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B.U.G. Ratings										
ATB0	Distribution	2700K			3000K			4000/5000K		
		B	U	G	B	U	G	B	U	G
P201	R2	1	0	1	2	0	2	2	0	2
	R3	1	0	1	1	0	1	1	0	1
	R4	1	0	2	1	0	2	1	0	2
	R5	3	0	1	3	0	1	3	0	1
P202	R2	2	0	2	2	0	2	2	0	2
	R3	1	0	2	1	0	2	1	0	2
	R4	1	0	2	1	0	2	1	0	2
	R5	3	0	1	3	0	2	3	0	2
P203	R2	2	0	2	2	0	2	2	0	2
	R3	2	0	2	2	0	2	2	0	2
	R4	2	0	3	2	0	3	2	0	3
	R5	3	0	2	4	0	2	4	0	2
P204	R2	3	0	3	3	0	3	3	0	3
	R3	2	0	2	2	0	2	2	0	2
	R4	2	0	3	2	0	3	2	0	3
	R5	4	0	2	4	0	2	4	0	2
P205	R2	3	0	3	3	0	3	3	0	3
	R3	2	0	2	2	0	2	2	0	2
	R4	2	0	3	2	0	3	2	0	3
	R5	4	0	2	4	0	2	4	0	2



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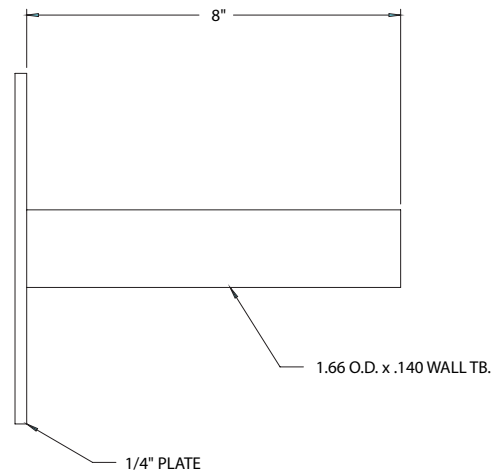
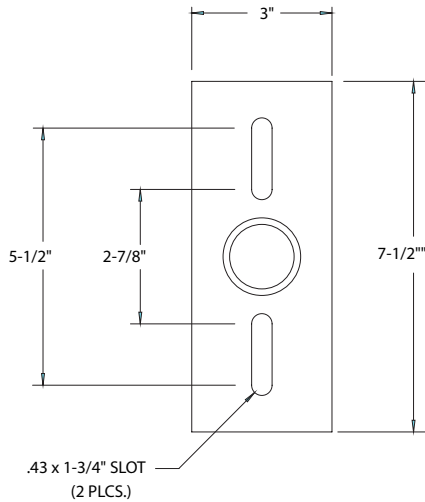
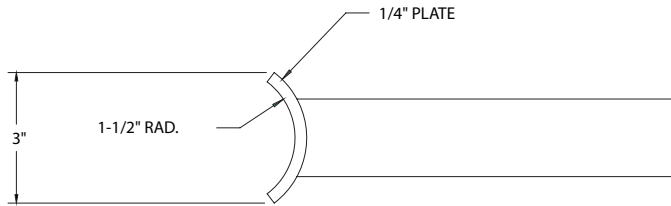
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UMR POLE ADAPTOR

RECOMMENDED FOR USE WITH POLES OF 4" DIAMETER OR SMALLER



UMS POLE ADAPTOR



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