



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

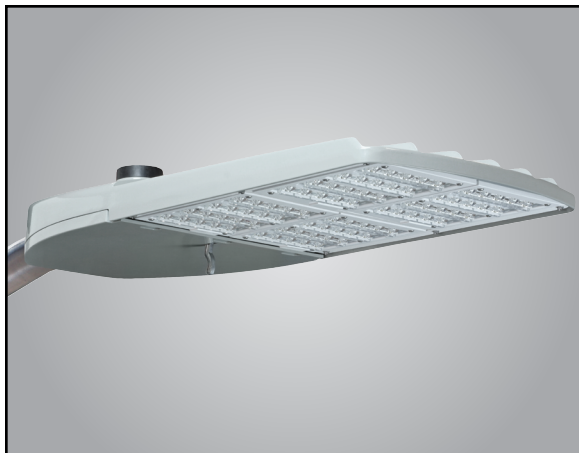


Autobahn Series ATB2

Roadway Lighting

ATB2 P60X MVOLT R2 P7 SH CLASS A RFD334893

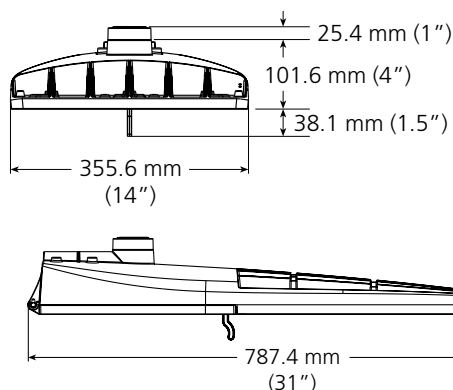
PRODUCT OVERVIEW



Applications:

Roadways
Off ramps
Residential streets
Parking lots

DIMENSIONS



Effective Projected Area (EPA)
The EPA for the ATB2 is 0.78 sq. ft.,
Approx. Wt. = 21 lbs. (9.53 kg)

STANDARDS

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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

Rated for -40°C to 40°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

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/buy-american for additional information.

Note: Specifications subject to change without notice.

Autobahn Series – AEL_0109_ATB2

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 400-1000W 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, IIIL, IV, & V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated $>100,000$ hours at 25°C , L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

Lower Energy: Saves an average of 40-60% over comparable HPS platforms.

Robust Surge Protection: Two different surge protection options provide a minimum of ANSI C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

Luminaire ships with a 0-10v dimmable driver. Luminaire is continuous and step dimming capable via AO option or controls installed on P7 photocontrol receptacle option.

MECHANICAL

Easy to Maintain: 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 is 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).

Four-bolt mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter and provides a 3G vibration rating per ANSI C136.31.

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

CONTROLS

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

Premium solid state locking sale photocontrol - PCSS (10 year rated life). Extreme long life sold state locking style photocontrol - PCLL (20 year rated life).

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



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ORDERING INFORMATION

Series	Performance Packages		Voltage		Optics	
ATB2 Autobahn LED Roadway	P601	26,192 lumens nominal	MVOLT	Multi-volt, 120-277V	R2	Roadway Type II
	P602	29,188 lumens nominal	347	347V	R3	Roadway Type III
	P603	33,062 lumens nominal	480	480V	R3L	Roadway Type III Long
	P604	36,305 lumens nominal	XVOLT³	277V-480V	R4²	Roadway Type IV
	P605	39,786 lumens nominal			R5	Roadway Type V
	P901	30,398 lumens nominal				
	P902	36,273 lumens nominal				
	P903	41,215 lumens nominal				
	P904	45,247 lumens nominal				
	P905	50,476 lumens nominal				
Options						
<u>Color Temperature (CCT)</u>		<u>Misc. (continued)</u>		<u>Accessories:</u>		
(Blank)	4000K CCT, 70 CRI Min.	UMR-XX	8" Horizontal Arm for Round Pole, Painted to match Fixture	House Side Shields for field installation		
27K	2700K CCT, 70 CRI Min.	UMS-XX	8" Horizontal Arm for Square Pole, Painted to match Fixture	ATB260XR2/R3L/R5HSS	for use with P601 - P605, R2, R3L, R5 distributions	
3K	3000K CCT, 70 CRI Min.	UMR-GALV	8" Horizontal Arm for Round Pole, Galvanized	ATB2P60XR3HSS	for use with P601 - P605, R3 distribution	
5K	5000K CCT, 70 CRI Min.	UMS-GALV	8" Horizontal Arm for Square Pole, Galvanized	ATB0P60XR4HSS	for use with P601 - P505, R4 distribution	
<u>Paint</u>		<u>Controls</u>		ATB290XR2/R3L/R5HSS	for use with P901 - P905, R2, R3L, R5 distributions	
(Blank)	Gray (Standard)	(Blank)	3 Pin NEMA Photocontrol Receptacle (Standard)	ATB2P90XR3HSS	for use with P901 - P905, R3 distribution	
BK	Black	P7	7 Pin Photocontrol Receptacle (Dimmable Driver Included)	<u>Notes</u>		
BZ	Bronze	NR	No Photocontrol Receptacle	1. Not available in 347 or 480V.		
DDB	Dark Bronze	AO	Field Adjustable Output	2. Not available with P901 - P905 performance packages		
GN	Green	PCSS¹	Solid State Lighting Photocontrol (120-277V)	3. XVOLT option only available with P601 and P602 performance packages		
GI	Graphite	PCLL	Solid State Long Life Photocontrol			
WH	White	SH	Shorting Cap			
<u>Surge Protection</u>		<u>Packaging</u>				
(Blank)	Standard 20kV/10kA SPD	(Blank)	Single Unit (Standard)			
MP	MOV Pack 10kV/5kA	JP	Job Pack (24/Pallet)			
<u>Terminal Block</u>						
(Blank)	Terminal Block (Standard)					
T2	Wired to L1 & L2 Positions					
<u>Misc.</u>						
BL	External Bubble Level					
HSS	House-Side Shield					
NL	Nema Label					
XL	Not CSA Certified					
HK	Hingekeepers					
BAA	Buy America(n) Act Compliant					

Autobahn Series ATB2

Roadway Lighting

Special: P60X performance package will vary due to lumens and mA needed; approximately 23,370 lumens.

PERFORMANCE PACKAGE

ATB2	Distribution	Input Watts	2700K		3000K		4000/5000K	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P601	R2	175	22,828	131	24,280	139	27,200	156
	R3		22,689	130	25,200	144	27,080	155
	R3L		21,844	125	22,513	129	23,761	136
	R4		23,376	135	23,760	136	24,770	143
	R5		23,291	135	23,810	138	24,680	143
P602	R2	196	24,983	126	26,610	135	30,060	152
	R3		24,831	126	27,770	142	30,020	153
	R3L		24,270	124	24,770	126	26,400	135
	R4		25,697	135	26,280	137	27,230	143
	R5		25,489	135	26,270	138	27,010	144
P603	R2	233	28,442	121	30,430	131	34,020	145
	R3		28,269	121	32,760	141	33,990	145
	R3L		27,087	116	28,050	120	29,464	126
	R4		29,359	124	29,800	126	31,110	132
	R5		29,019	125	29,850	127	30,750	132
P604	R2	263	31,060	118	33,130	126	37,050	140
	R3		30,871	118	35,670	136	36,950	141
	R3L		29,369	112	30,541	116	31,946	121
	R4		32,001	125	32,450	126	33,910	132
	R5		31,690	126	32,790	127	33,580	133
P605	R2	295	33,992	115	36,960	125	39,750	135
	R3		33,785	115	38,670	131	39,910	136
	R3L		31,867	108	33,149	112	34,663	118
	R4		34,728	120	35,430	122	36,800	127
	R5		34,681	121	35,130	122	36,750	128
P901	R2	199	27,147	137	28,470	143	30,430	154
	R3		26,982	135	29,040	146	31,350	157
	R3L		26,100	131	26,603	134	28,390	143
	R5		27,698	141	29,020	146	29,350	149
P902	R2	245	32,512	133	35,070	144	38,090	156
	R3		32,314	132	35,600	145	38,970	159
	R3L		31,000	127	31,344	128	33,720	138
	R5		33,171	137	33,740	138	35,150	145
P903	R2	282	37,007	131	39,380	140	42,990	152
	R3		36,782	130	39,540	140	43,580	154
	R3L		35,238	125	35,154	125	38,330	136
	R5		37,758	134	37,860	134	40,010	142
P904	R2	319	40,420	127	43,410	137	47,220	148
	R3		40,175	126	43,600	137	48,170	151
	R3L		38,327	120	38,078	119	41,690	131
	R5		41,240	132	41,420	132	43,700	140
P905	R2	369	44,573	121	48,390	132	52,380	142
	R3		44,303	120	48,560	132	53,940	146
	R3L		42,886	116	42,455	115	46,649	126
	R5		45,477	128	45,390	127	48,190	136

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

ATB2	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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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

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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PERFORMANCE PACKAGE

LLD @ 25°C

ATB2	R2, R3 Distributions 3000K & 4000K CCT			R2, R3 Distributions 2700K & 5000K CCT*			R3L, R4, & R5 Distributions Any CCT		
	50k Hours	75k Hours	100k Hours	50k Hours	75k Hours	100k Hours	50k Hours	75k Hours	100k Hours
P601	0.96	0.94	0.93	0.92	0.88	0.85	0.92	0.88	0.85
P602	0.96	0.94	0.93	0.92	0.88	0.85	0.92	0.88	0.85
P603	0.96	0.94	0.93	0.91	0.87	0.84	0.91	0.87	0.84
P604	0.96	0.94	0.93	0.91	0.87	0.83	0.91	0.87	0.83
P605	0.96	0.94	0.93	0.90	0.86	0.82	0.90	0.86	0.82
P901	0.96	0.94	0.93	0.91	0.88	0.84	0.91	0.88	0.84
P902	0.96	0.94	0.93	0.91	0.87	0.83	0.91	0.87	0.83
P903	0.96	0.94	0.93	0.90	0.86	0.82	0.90	0.86	0.82
P904	0.96	0.94	0.93	0.90	0.86	0.82	0.90	0.86	0.82
P905	0.96	0.94	0.93	0.89	0.84	0.79	0.89	0.84	0.79

* Also includes any custom (non-catalog) CCT



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B.U.G. Ratings

ATB2	Distribution	2700K			3000K			4000/5000K		
		B	U	G	B	U	G	B	U	G
P601	R2	3	0	3	3	0	3	3	0	3
	R3	3	0	3	3	0	3	3	0	4
	R3L	3	0	4	3	0	4	3	0	4
	R4	3	0	4	3	0	4	3	0	4
	R5	5	0	3	5	0	3	5	0	3
P602	R2	3	0	3	3	0	3	3	0	3
	R3	3	0	3	3	0	4	3	0	4
	R3L	3	0	4	3	0	4	3	0	4
	R4	3	0	4	3	0	4	3	0	4
	R5	5	0	3	5	0	3	5	0	3
P603	R2	3	0	3	3	0	3	4	0	4
	R3	3	0	4	3	0	4	3	0	4
	R3L	3	0	4	3	0	4	3	0	4
	R4	3	0	5	3	0	5	3	0	5
	R5	5	0	4	5	0	4	5	0	4
P604	R2	3	0	3	4	0	4	4	0	4
	R3	3	0	4	3	0	4	3	0	4
	R3L	3	0	4	3	0	4	3	0	5
	R4	3	0	5	3	0	5	3	0	5
	R5	5	0	4	5	0	4	5	0	4
P605	R2	4	0	4	4	0	4	4	0	4
	R3	3	0	4	3	0	4	3	0	4
	R3L	3	0	5	3	0	5	3	0	5
	R4	3	0	5	3	0	5	4	0	5
	R5	5	0	4	5	0	4	5	0	4
P901	R2	3	0	3	3	0	3	3	0	3
	R3	3	0	4	3	0	4	3	0	4
	R3L	3	0	4	3	0	4	3	0	4
	R5	5	0	3	5	0	4	5	0	4
P902	R2	4	0	4	4	0	4	4	0	4
	R3	3	0	4	3	0	4	3	0	4
	R3L	3	0	5	3	0	5	3	0	5
	R5	5	0	4	5	0	4	5	0	4
P903	R2	4	0	4	4	0	4	4	0	4
	R3	3	0	4	3	0	4	4	0	5
	R3L	4	0	5	4	0	5	4	0	5
	R5	5	0	4	5	0	4	5	0	4
P904	R2	4	0	4	4	0	4	4	0	4
	R3	3	0	4	4	0	5	4	0	5
	R3L	4	0	5	4	0	5	4	0	5
	R5	5	0	4	5	0	4	5	0	4
P905	R2	4	0	4	4	0	4	4	0	5
	R3	4	0	5	4	0	5	4	0	5
	R3L	4	0	5	4	0	5	4	0	5
	R5	5	0	5	5	0	5	5	0	5



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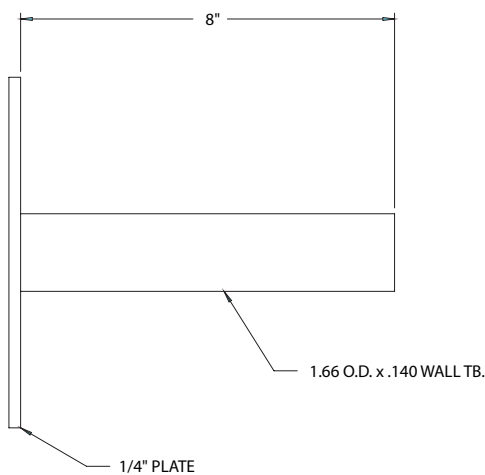
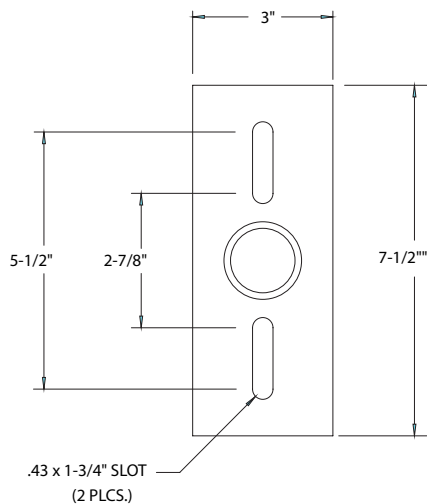
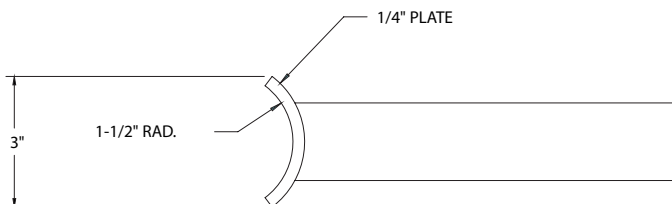
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UMR POLE ADAPTOR

RECOMMENDED FOR USE WITH POLES OF 4" DIAMETER OR SMALLER



UMS POLE ADAPTOR



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