



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

50HPS, 70 HPS, 105INC

# Autobahn Series ATBX

## Roadway & Security Lighting

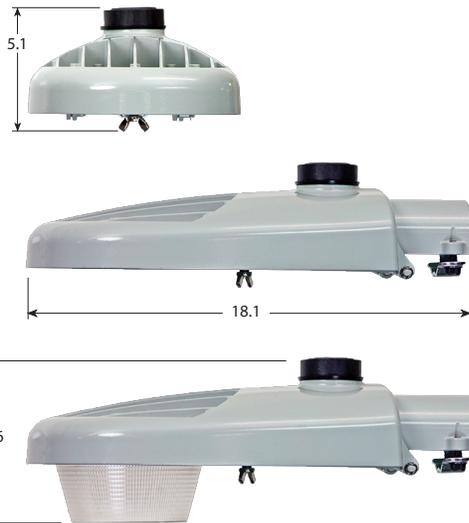
### PRODUCT OVERVIEW



### Applications:

Residential streets  
Parking lots  
General security lighting

### DIMENSIONS



Effective Projected Area (EPA) The EPA for the ATBX is .26 sq. ft.  
Approx. Wt. = 8lbs.

### STANDARDS

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://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  $-40^{\circ}\text{C}$  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

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

### Features:

#### OPTICAL

Same Light: Performance is comparable to 50W – 150W HPS and up to 175W Mercury Vapor roadway and security lighting luminaires.

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, and V roadway distributions. When used with the optional acrylic refractor the unit provides approximately 10% uplight and increased vertical foot-candles

#### 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.

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 clamping mechanism provides 3G vibration rating per ANSI C136.31.

#### 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)

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 & Security Lighting

### ORDERING INFORMATION

ATBX	P40	MVOLT	R2
Series	Performance Packages	Voltage	Optics
<b>ATBX</b> Autobahn LED Roadway & Security	<b>P10</b> 2,000 lumens <b>P20</b> 2,500 lumens <b>P30</b> 3,200 lumens <b>P40</b> 3,900 lumens <b>P50</b> 5,600 lumens <b>P60</b> 6,600 lumens <b>P70</b> 7,400 lumens	<b>MVOLT</b> Multi-volt, 120-277V	<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>D3</b> Type III, Drop Refractor included <b>D5</b> Type V, Drop Refractor included

3K NL P7

### Options

#### Color Temperature (CCT)

**(Blank)** 4000K CCT, 70 CRI Min.  
**3K** 3000K CCT, 70 CRI Min.  
**5K** 5000K CCT, 70 CRI Min.

#### Paint

**Blank** Gray (Standard)  
**BK** Black  
**WH** White  
**BZ** Bronze

#### Surge Protection

**Blank** Standard 20kV/10kA SPD  
**MP** MOV Pack

#### Misc.

**VR** Visual Comfort Refractor  
**HSS** House Side Shield  
**NL** NEMA Label  
**XL** Not CSA Certified

#### Controls

**(Blank)** 3 Pin NEMA Photocontrol Receptacle  
**NR**<sup>1</sup> No Photocontrol Receptacle  
**DM**<sup>2</sup> 0V-10V Dimmable Driver  
**P7** 7 Pin Photocontrol Receptacle (dimmable driver included)  
**PCSS**<sup>1</sup> DTL DSS Photocontrol  
**PCLL**<sup>1</sup> DTL DLL Photocontrol 120-277V  
**AO** Field Adjustable Output  
**SH** Shorting Cap

#### Packages

**(Blank)** Standard Pack  
**JP** Job Pack

#### Install Packages

**PKGS** DTL DSS Photocontrol  
**PKGL** DTL DLL Photocontrol  
 Packages ship with selected photocontrol, 24", 1 1/4" diameter arm, 5' of prewire and mounting hardware

#### Accessories

**ATBXREF** Drop Refractor for field installation  
**ATBXHSS** House Side Shield for field installation  
**ATBXLTS** Light Trespass Shield for field installation  
**ATBXVR-XX** Comfort Refractor & Uplight Skirt, Select Paint (XX) to Match Fixture

#### Notes

1. Not available with Install Packages.
2. Not available with AO option.



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PERFORMANCE PACKAGE															
Performance Package	Distribution	Input Watts	3000K CCT, 70 CRI					4000K & 5000K CCT, 70 CRI					LLD @ 25C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P10	R2	14	1,956	140	1	0	1	2,030	145	1	0	1	0.92	0.89	0.85
	R3		1,955	140	0	0	1	2,011	144	0	0	1			
	R4		1,982	142	1	0	1	1,974	141	1	0	1			
	R5		2,145	153	1	0	0	2,160	154	1	0	0			
	D3		1,908	136	1	2	1	1,963	140	1	2	1			
	D5		2,077	148	1	2	1	2,092	149	1	2	1			
P20	R2	18	2,455	136	1	0	1	2,575	143	1	0	1	0.92	0.89	0.85
	R3		2,473	137	1	0	1	2,547	142	1	0	1			
	R4		2,505	139	1	0	1	2,497	139	1	0	1			
	R5		2,715	151	2	0	0	2,735	152	2	0	0			
	D3		2,414	134	1	2	1	2,486	138	1	2	1			
	D5		2,629	146	1	2	1	2,648	147	1	2	1			
P30	R2	23	3,102	135	1	0	1	3,243	141	1	0	1	0.92	0.89	0.85
	R3		3,125	136	1	0	1	3,232	141	1	0	1			
	R4		3,153	137	1	0	1	3,150	137	1	0	1			
	R5		3,422	149	2	0	1	3,431	149	2	0	1			
	D3		3,050	133	1	2	1	3,155	137	1	2	1			
	D5		3,314	144	1	2	1	3,322	144	1	2	1			
P40	R2	28	3,603	129	1	0	1	3,790	135	1	0	1	0.92	0.89	0.85
	R3		3,705	132	1	0	1	3,890	139	1	0	1			
	R4		3,640	130	1	0	2	3,817	136	1	0	2			
	R5		3,971	142	2	0	1	4,167	149	2	0	1			
	D3		3,617	129	1	2	2	3,797	136	1	2	2			
	D5		3,845	137	2	2	1	4,035	144	2	2	1			
P50	R2	41	5,426	132	2	0	2	5,425	132	2	0	2	0.92	0.89	0.85
	R3		5,248	128	1	0	2	5,615	137	1	0	2			
	R4		5,300	129	1	0	2	5,462	133	1	0	2			
	R5		5,647	138	3	0	1	6,033	147	3	0	1			
	D3		5,123	125	1	3	2	5,481	134	1	3	2			
	D5		5,468	133	2	3	2	5,842	142	2	3	2			
P60	R2	51	6,392	125	2	0	2	6,416	126	2	0	2	0.92	0.88	0.84
	R3		6,208	122	1	0	2	6,635	130	1	0	2			
	R4		6,207	122	1	0	2	6,432	126	1	0	2			
	R5		6,690	131	3	0	1	7,127	140	3	0	1			
	D3		6,059	119	1	3	2	6,477	127	1	3	2			
	D5		6,478	127	2	3	2	6,901	135	3	3	2			
P70	R2	60	7,133	140	2	0	2	7,246	142	2	0	2	0.92	0.88	0.84
	R3		6,967	137	1	0	2	7,449	146	1	0	2			
	R4		6,957	136	1	0	2	7,235	142	1	0	2			
	R5		7,492	147	3	0	1	7,939	156	3	0	1			
	D3		6,800	133	2	3	2	7,271	143	2	3	2			
	D5		7,255	142	3	3	2	7,688	151	3	3	2			



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### PERFORMANCE DATA with VISUAL COMFORT REFRACTOR

Performance Package	Distribution	Input Watts	3000K CCT, 70 CRI					4000K & 5000K CCT, 70 CRI					LLD @ 25C		
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	50K Hours	75K Hours	100K Hours
P10	R2 with VR	14	1,686	120	1	0	1	1,747	125	1	0	1	0.92	0.89	0.85
	R3 with VR		1,669	119	1	0	1	1,698	121	1	0	1			
	R4 with VR		1,602	114	1	0	1	1,626	116	1	0	1			
	R5 with VR		1,814	130	1	0	1	1,862	133	1	0	1			
P20	R2 with VR	18	2,124	118	1	0	1	2,205	123	1	0	1	0.92	0.89	0.85
	R3 with VR		2,104	117	1	0	1	2,138	119	1	0	1			
	R4 with VR		2,019	112	1	0	1	2,053	114	1	0	1			
	R5 with VR		2,290	127	1	0	1	2,346	130	1	0	1			
P30	R2 with VR	23	2,684	117	1	0	1	2,788	121	1	0	1	0.92	0.89	0.85
	R3 with VR		2,659	116	1	0	1	2,699	117	1	0	1			
	R4 with VR		2,553	111	1	0	1	2,594	113	1	0	1			
	R5 with VR		2,892	126	2	0	1	2,969	129	2	0	1			
P40	R2 with VR	28	3,240	116	1	0	1	3,369	120	1	0	1	0.92	0.89	0.85
	R3 with VR		3,204	114	1	0	1	3,261	116	1	0	1			
	R4 with VR		3,081	110	1	0	2	3,124	112	1	0	2			
	R5 with VR		3,495	125	2	0	1	3,584	128	2	0	1			
P50	R2 with VR	41	4,633	113	1	0	2	4,818	118	1	0	2	0.92	0.89	0.85
	R3 with VR		4,499	110	1	0	2	4,617	113	1	0	2			
	R4 with VR		4,343	106	1	0	2	4,504	110	1	0	2			
	R5 with VR		4,869	119	2	0	1	5,117	125	2	0	1			
P60	R2 with VR	51	5,495	108	2	0	2	5,710	112	2	0	2	0.92	0.88	0.84
	R3 with VR		5,330	105	1	0	2	5,490	108	1	0	2			
	R4 with VR		5,145	101	1	0	2	5,328	104	1	0	2			
	R5 with VR		5,771	113	3	0	1	6,061	119	3	0	1			
P70	R2 with VR	60	6,167	121	2	0	2	6,396	125	2	0	2	0.92	0.88	0.84
	R3 with VR		5,978	117	1	0	2	6,110	120	1	0	2			
	R4 with VR		5,772	113	1	0	2	5,962	117	1	0	2			
	R5 with VR		6,482	127	3	0	1	6,799	133	3	0	2			



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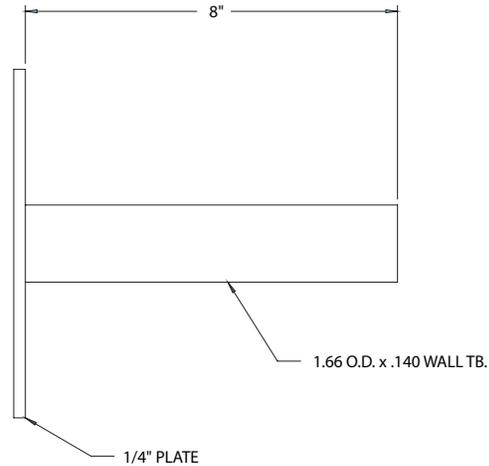
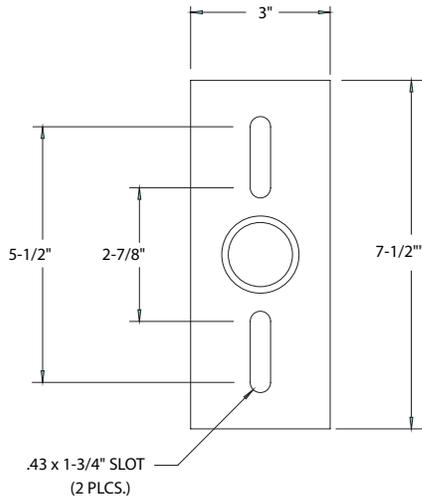
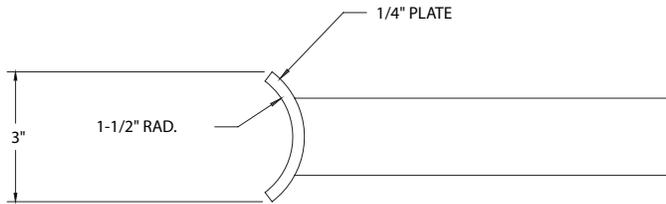
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## Roadway & Security Lighting

### UMR POLE ADAPTOR

RECOMMENDED FOR USE WITH POLES OF 4" DIAMETER OR SMALLER



### UMS POLE ADAPTOR



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