



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

# Autobahn Series ATB0 Roadway Lighting

ATB0 20BLEDE70 MVOLT R2 IL P7 SH RFD223679 (GRAY LABEL E)

## PRODUCT OVERVIEW



### Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

### Features:

#### OPTICAL

**Same Light:** Performance is comparable to 70-200W HPS roadway luminaires.

**White Light:** Correlated color temperature - 4000K, 70 CRI minimum, 3000K, 70 CRI minimum or optional 5000K, 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. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

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

**Robust Surge Protection:** Three different surge protection options provide a minimum of IEEE/ANSI C62.41 Category C (10kV/5kA) protection. 20kV/10kA protection is also available.

#### 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 8 (per ASTM D1654) after over 1000 hours exposure to salt fog chamber (operated per ASTM B117). Optional Enhanced Corrosion Resistant finish (CR) increases the salt spray exposure over 5000 hours.

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).

#### CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 5 pin and 7 pin receptacles optionally available.

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

Multi-level dimming available to provide scheduled dimming as specified by the customer.

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.

#### STANDARDS

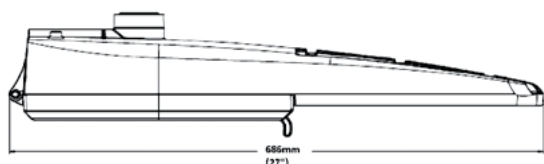
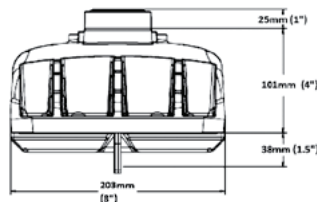
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

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

### DIMENSIONS



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

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

# Autobahn Series ATB0

## Roadway Lighting

### ORDERING INFORMATION

Example: ATB0 30LEDE10 MVOLT R2

ATB0	20BLEDE70	MVOLT	R2
Series	Performance Packages	Voltage	Optics
<b>ATB0</b> Autobahn LED Roadway	<b>20BLEDE53<sup>1</sup></b> 20B Chips, 525mA Driver <b>20BLEDE70</b> 20B Chips, 700mA Driver <b>20BLEDE10</b> 20B Chips, 1050mA Driver <b>20BLEDE13</b> 20B Chips, 1300mA Driver <b>30BLEDE70</b> 30B Chips, 700mA Driver <b>30BLEDE85</b> 30B Chips, 850mA Driver <b>30BLEDE10</b> 30B Chips, 1050mA Driver <b>30BLEDE13</b> 30B Chips, 1300mA Driver <b>30BLEDE15<sup>2</sup></b> 30B Chips, 1500mA Driver	<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

IL - P7 - SH - RFD223679 "E LABEL" - RFWD # 7820 10 YEAR WARRANTY

#### 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
- BZ** Bronze
- DDB** Dark Bronze
- GI** Graphite
- WH** White

#### Surge Protection

- Blank** Standard 10kV/5kA SPD
- 20** 20kV/10KA SPD
- MP<sup>2</sup>** MOV Pack
- IL<sup>2</sup>** SPD with Indicator Light

#### Terminal Block

- (Blank)** Terminal Block (Standard)
- T2** Wired to L1 & L2 Positions

#### Misc.

- BL** External Bubble Level
- CR** Enhanced Corrosion Resistant Finish
- HS** House-Side Shield
- NL** Nema Label
- XL** Not CSA Certified

#### Controls

- (Blank)** 3 Pin NEMA Photocontrol Receptacle (Standard)
- P5<sup>3</sup>** 5 Pin Photocontrol Receptacle (Dimmable Driver Included)
- P7<sup>3</sup>** 7 Pin Photocontrol Receptacle (Dimmable Driver Included)
- NR** No Photocontrol Receptacle
- AO<sup>4</sup>** Field Adjustable Output
- DM** 0V-10V Dimmable Driver (Controls by others)
- ML<sup>5,6</sup>** Multi-Level Dimming
- PCSS<sup>2</sup>** Solid State Lighting Photocontrol (120-277V)
- PCLL** Solid State Long Life Photocontrol
- SH** Shorting Cap

#### Packaging

- (Blank)** Single Unit (Standard)
- JP** Job Pack (42/Pallet)

#### Notes

- 1 20BLEDE53 not compatible with the following options: P5, P7, AO, DM, ML.
- 2 Not available in 347 or 480V.
- 3 Not available with DM, ML or NR.
- 4 Not available with DM or ML options.
- 5 Not available with AO, DM, P5 or P7 options.
- 6 Dimming Schedule and light level information required from the customer in order to configure product. Contact Infrastructure Technical Support to proceed.



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
 www.americanelectricalighting.com  
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**Warranty** Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)  
 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.

*Please contact your sales representative for the latest product information.*

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## Roadway Lighting

### PERFORMANCE PACKAGE

Performance Package	Drive Current (mA)	Input Watts	Optic	4000K CCT		LLD @ 25°C	
				Delivered Lumens	Efficacy (LPW)	50k Hours	100k Hours
20B	525	39	R2	4623	119	0.98	0.96
	700	48		5571	116	0.98	0.96
	1000	72		7760	108	0.96	0.92
	1300	88		8990	102	0.95	0.89
	525	39	R3	4635	119	0.98	0.96
	700	48		5598	117	0.98	0.96
	1000	72		7829	109	0.96	0.92
	1300	88		9099	103	0.95	0.89
	525	39	R4	4542	116	0.98	0.96
	700	48		5487	114	0.98	0.96
	1000	72		7653	106	0.96	0.92
	1300	88		8870	101	0.95	0.89
	525	39	R5	4945	127	0.98	0.96
	700	48		5976	125	0.98	0.96
	1000	72		8391	117	0.96	0.92
	1300	88		9759	111	0.95	0.89
30B	700	70	R2	8536	122	0.98	0.96
	850	86		9891	115	0.96	0.92
	1000	104		11806	114	0.96	0.92
	1300	129		13754	107	0.95	0.89
	1500	150		15057	100	0.95	0.89
	700	70	R3	8413	120	0.98	0.96
	850	86		9774	114	0.96	0.92
	1000	104		11639	112	0.96	0.92
	1300	129		13502	105	0.95	0.89
	1500	150		15085	101	0.95	0.89
	700	70	R4	8209	117	0.98	0.96
	850	86		9635	112	0.96	0.92
	1000	104		11392	110	0.96	0.92
	1300	129		13215	102	0.95	0.89
	1500	150		14755	98	0.95	0.89
	700	70	R5	8576	123	0.98	0.96
	850	86		9968	116	0.96	0.92
	1000	104		11847	114	0.96	0.92
	1300	129		13766	107	0.95	0.89
	1500	150		15172	101	0.95	0.89

**Note:** Information shown above is based on 4000K nominal system data. Individual fixture performance may vary. Specifications subject to change without notice.

ATB0 LLD Multiplier	15°C	20°C	25°C	30°C	35°C	40°C
	1.02	1.01	1	0.98	0.97	0.95

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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