



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

Autobahn Series ATB0

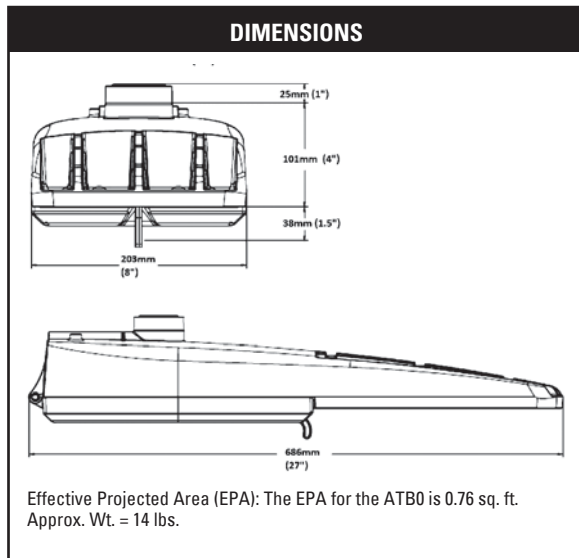
Roadway Lighting

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 - standard 4000K, 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.

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.

WARRANTY & STANDARDS

5 year limited warranty. Full warranty terms located at http://www.acuitybrands.com/Libraries/Terms_and_Conds/ABL_LED_Commercial_Outdoor.sflb.ashx

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

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

Autobahn Series ATBO

Roadway Lighting

ORDERING INFORMATION

Example: ATBO 30LEDE10 MVOLT R2

Series	Performance Packages	Voltage	Optics
ATBO Autobahn LED Roadway	20BLEDE53 20B Chips, 525mA Driver 20BLEDE70 20B Chips, 700mA Driver 20BLEDE10 20B Chips, 1050mA Driver 20BLEDE13 20B Chips, 1300mA Driver 30BLEDE70 30B Chips, 700mA Driver 30BLEDE85 30B Chips, 850mA Driver 30BLEDE10 30B Chips, 1050mA Driver 30BLEDE13 30B Chips, 1300mA Driver	MVOLT Multi-volt, 120-277V 347 347V 480 480V	R2 Roadway Type II R3 Roadway Type III R4 Roadway Type IV R5 Roadway Type V

Options

Color Temperature (CCT)

- (Blank)** 4000K CCT, 70 CRI Min. (Standard)
- 5K** 5000K CCT, 70 CRI Min.

Paint

- (Blank)** Gray (Standard)
- BK** Black
- BZ** Bronze
- DDB** Dark Bronze
- GI** Graphite
- WH** White

Surge Protection

- Blank** Acuity SPD-10kV/5kA with inductive filter circuit
- MP¹** MOV Pack
- IL¹** 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** 5 Pin Photocontrol Receptacle (Dimmable Driver Included)
- P7** 7 Pin Photocontrol Receptacle (Dimmable Driver Included)
- NR** No Photocontrol Receptacle
- AO²** Field Adjustable Output
- DM** 0V-10V Dimmable Driver (Controls by others)
- ML^{3,4}** Multi-Level Dimming
- PCSS¹** 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. Not available in 347 or 480V.
2. Not available with DM or ML options.
3. Not available with AO, DM, P5 or P7 options.
4. Dimming schedule and light level information required from the customer in order to configure product. Contact Infrastructure Technical Support to proceed.

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AEL Headquarters, 3825 Columbus Road, Granville, OH 43023

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Visit our web site at www.americanelectricleighting.com

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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	37	R2	3806	103	0.98	0.96
	700	49		4865	99	0.98	0.96
	1000	73		6414	88	0.93	0.89
	1300	92		7504	82	0.89	0.82
	525	37	R3	3775	102	0.98	0.96
	700	49		4807	98	0.98	0.96
	1000	73		6256	86	0.93	0.89
	1300	92		7372	80	0.89	0.82
	525	37	R2	3806	103	0.98	0.96
	700	49		4865	99	0.98	0.96
	1000	73		6414	88	0.93	0.89
	1300	92		7504	82	0.89	0.82
	525	37	R5	3775	102	0.98	0.96
	700	49		4807	98	0.98	0.96
	1000	73		6256	86	0.93	0.89
	1300	92		7372	80	0.89	0.82
30B	700	70	R2	7053	101	0.98	0.96
	850	88		8182	93	0.96	0.90
	1000	107		9472	89	0.92	0.86
	1300	135		10790	80	0.88	0.79
	700	70	R3	7085	101	0.98	0.96
	850	88		8155	93		
	1000	107		9497	89	0.92	0.86
	1300	135		10930	81	0.88	0.79
	700	70	R4	7021	100	0.98	0.96
	850	88		8000	91	0.96	0.90
	1000	107		9231	86	0.92	0.86
	1300	135		10400	77	0.88	0.79
	700	70	R5	7444	106	0.98	0.96
	850	88		8400	95	0.96	0.90
	1000	107		9823	92	0.92	0.86
	1300	135		11110	82	0.88	0.79

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

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



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