

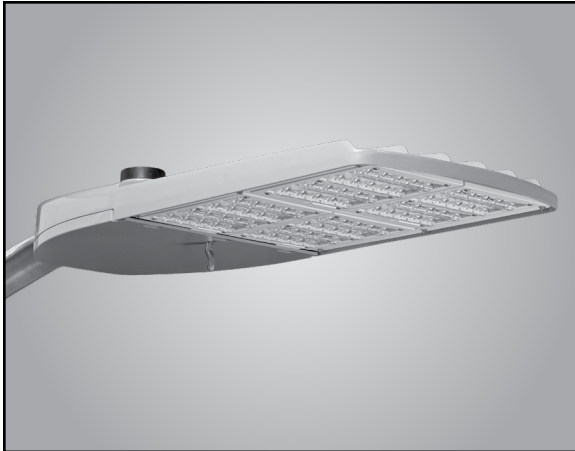


Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Autobahn Series ATB2

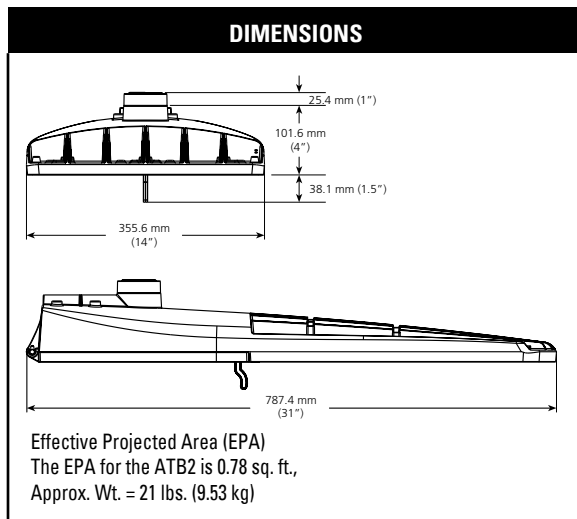
Roadway Lighting

PRODUCT OVERVIEW



Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots



Features:

OPTICAL

Same Light: Performance is comparable to 250-400W 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, & 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: Three different surge protection options provide a minimum of IEEE/ANSI C62.41 Category C (10kV/5kA) protection.

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 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 to 5000 hours.

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.

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

CONTROLS

NEMA 3 Pin photocontrol receptacle is standard, with the Acuity designed ANSI 5 Pin and 7 Pin receptacles 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).

Mult-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 can also 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_Commerical_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 ATB2

Roadway Lighting

ORDERING INFORMATION

Example: ATB2 40LEDE70 MVOLT R2

ATB2	80BLEDE70	MVOLT	R2
Series	Performance Packages	Voltage	Optics
ATB2 Autobahn LED Roadway & Security	40BLEDE70 40B Chips, 700mA Driver 40BLEDE10 40B Chips, 1050mA Driver 40BLEDE13 40B Chips, 1300mA Driver 60BLEDE70 60B Chips, 700mA Driver 60BLEDE85 60B Chips, 850mA Driver 60BLEDE10 60B Chips, 1050mA Driver 60BLEDE13 60B Chips, 1300mA Driver 80BLEDE70 80B Chips, 700mA Driver 80BLEDE85 80B Chips, 850mA Driver 80BLEDE10 80B Chips, 1050mA 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

BK - IL - P7 - SH - RFD191322

B LABEL - 10 YEAR WARRANTY

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 with inductive filter (Standard)
- 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
- HK** Hinge Keeper

Controls

- (Blank)** 3 Pin NEMA Photocontrol Receptacle (Standard)
- P5⁵** 5 Pin Photocontrol Receptacle (Dimmable Driver Included)
- P7⁵** 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 (24/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.
5. Not available with AO, DM, ML options.

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AEL Headquarters, 3825 Columbus Road, Granville, OH 43023

Warranty Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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
40B	700	94	R2	9496	101	0.98	0.96
	1000	143		12852	90	0.98	0.96
	1300	187		14821	79	0.95	0.88
	700	94	R3	9259	99	0.98	0.96
	1000	143		12920	90	0.98	0.96
	1300	187		14886	80	0.95	0.88
	700	94	R4	9461	101	0.98	0.96
	1000	143		12816	90	0.98	0.96
	1300	187		14791	79	0.95	0.88
	700	94	R5	10095	107	0.98	0.96
	1000	143		13651	95	0.98	0.96
	1300	187		15750	84	0.95	0.88
60B	700	138	R2	13891	101	0.96	0.90
	850	178		16125	91	0.94	0.88
	1000	215		18570	86	0.92	0.86
	1300	273		21059	77	0.89	0.79
	700	138	R3	14054	102	0.96	0.90
	850	178		16264	91	0.94	0.88
	1000	215		18562	86	0.92	0.86
	1300	273		21134	77	0.89	0.79
	700	138	R4	13894	101	0.96	0.90
	850	178		16119	91	0.94	0.88
	1000	215		18505	86	0.92	0.86
	1300	273		21158	78	0.89	0.80
	700	138	R5	14576	106	0.96	0.90
	850	178		16935	95	0.94	0.88
	1000	215		19373	90	0.92	0.86
	1300	273		22093	81	0.89	0.79
80B	700	185	R2	18710	101	0.98	0.96
	850	232		21668	93	0.93	0.88
	1000	284		24921	88	0.91	0.84
	700	185	R3	18805	102	0.98	0.96
	850	232		21772	94	0.93	0.88
	1000	284		25050	88	0.91	0.84
	700	185	R4	18628	101	0.98	0.96
	850	232		21571	93	0.93	0.88
	1000	284		24793	87	0.91	0.84
	700	185	R5	19982	108	0.98	0.96
	850	232		23155	100	0.93	0.88
	1000	284		26456	93	0.91	0.84

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

ATB2 LLD Multiplier	15°C	20°C	25°C	30°C	35°C	40°C
	1.02	1.01	1	0.99	0.97	0.96

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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