



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



Autobahn Series ATB0

Roadway Lighting

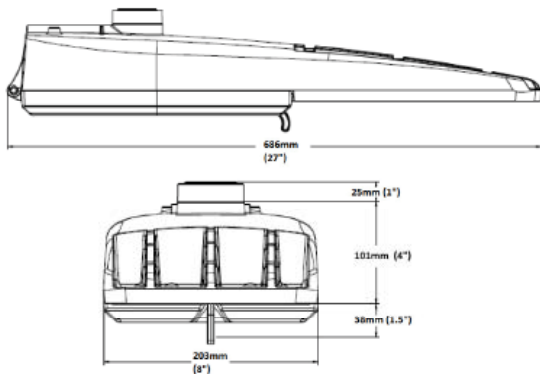
PRODUCT OVERVIEW



Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

DIMENSIONS



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

Features:

OPTICAL

Same Light: Performance is comparable to 70-150W HPS roadway luminaires.

White Light: Correlated color temperature - standard 4000K, 70 CRI minimum or optional 5000K, 65 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 40-50% over comparable HPS platforms.

Robust Surge Protection: Acuity's proprietary SPD provides IEEE/ANSI C62.41 Category C (10kV/5kA) level of protection.

MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, tool-less NEMA photocontrol receptacle, 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.

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

Die-cast trigger latch on doorframe allows for tool-less entry.

CONTROLS

NEMA photocontrol receptacle is standard with tool-less "lift and turn" receptacle.

Dimming version (available with DE and VE option) uses proprietary Acuity Brands components to enable continuous 0-10V dimming down to 10% output via the ROAM® smart controls system (sold separately).

Photocontrol for solid-state lighting (available with PCSS and PCLL options) meets ANSI C136.10 criteria.

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.

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ORDERING INFORMATION

Example: ATB0 20ALEDE70 MVOLT R2

Series	Performance Packages	Voltage	Optics
ATB0 Autobahn LED Roadway, Small	20ALEDE35 20A Chips, 350 mA Driver 20ALEDE53 20A Chips, 525 mA Driver 20ALEDE70 20A Chips, 700 mA Driver 20BLEDE53 20B Chips, 525 mA Driver 20BLEDE70 20B Chips, 700 mA Driver 20BLEDE10 20B Chips, 1000 mA Driver 30BLEDE53 30B Chips, 525 mA Driver 30BLEDE70 30B Chips, 700 mA Driver 30BLEDE10 30B Chips, 1000 mA Driver	120 120V MVOLT Multi-volt, 120-277V 347 347V 480 480V	R2 Roadway Type II R3 Roadway Type III R4 Roadway Type IIII R5 Roadway Type V

Options

Color Temperature (CCT)
 (blank) 4000K (standard)
 5K 5000K

Mounting
 (blank) 2-bolt Internal (standard)

Paint
 (blank) Gray (standard)
 GI Graphite
 BK Black
 BZ Bronze
 DDB Dark Bronze
 WH White
 UP Unpainted

Terminal Block
 (blank) Terminal Block (standard)
 T2 Wired to L1 and L2 Position

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

Controls
 (blank) 3-Pin Photocontrol Receptacle (standard)
 NR¹ No Photocontrol Receptacle
 PCSS Solid State Lighting Photocontrol (120-277V)
 PCLL Solid State Long Life Photocontrol
 SH Shorting Cap
 DE² ROAM CONCIERGE Dimming Control
 VE² ROAMVIEW Dimming Control
 DM DM 0V - 10V dimmable driver (controls provided by others)

Notes:

1. Not available with PCSS, PCLL, SH, DE, or VE
2. Specifies a ROAM dimming enabled fixture with a dimming control module factory installed. NEMA photocontrol receptacle required. Additional hardware and services required ROAM deployment must be purchased separately

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American Electric Lighting
 Acuity Brands Lighting, Inc.
 3825 Columbus Rd. S.W., Granville, OH 43023
 Phone: 800-537-5710 Fax: 740-587-6114
 www.americanelectricalighting.com

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DESIGN DATA

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Performance Package	Drive Current (mA)	Input Watts	Optic	4000K CCT	
				Delivered Lumens	Efficacy (LPW)
20A	350	22	R2	2305	105
	525	35		3319	95
	700	48		4167	87
	350	22	R3	2331	106
	525	35		3356	96
	700	48		4213	88
	350	22	R4	2331	106
	525	35		3356	96
	700	48		4213	88
	350	22	R5	2433	111
	525	35		3503	100
	700	48		4398	92
20B	525	35	R2	3509	100
	700	47		4471	95
	1000	72		6193	86
	525	35	R3	3548	101
	700	47		4521	96
	1000	72		6261	87
	525	35	R4	3548	101
	700	47		4521	96
	1000	72		6261	87
	525	35	R5	3704	106
	700	47		4720	100
	1000	72		6537	91
30B	525	52	R2	5247	101
	700	70		6673	95
	1000	108		9233	85
	525	52	R3	5305	102
	700	70		6747	96
	1000	108		9336	86
	525	52	R4	5305	102
	700	70		6747	96
	1000	108		9336	83
	525	52	R5	5539	107
	700	70		7043	101
	1000	108		9746	90

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

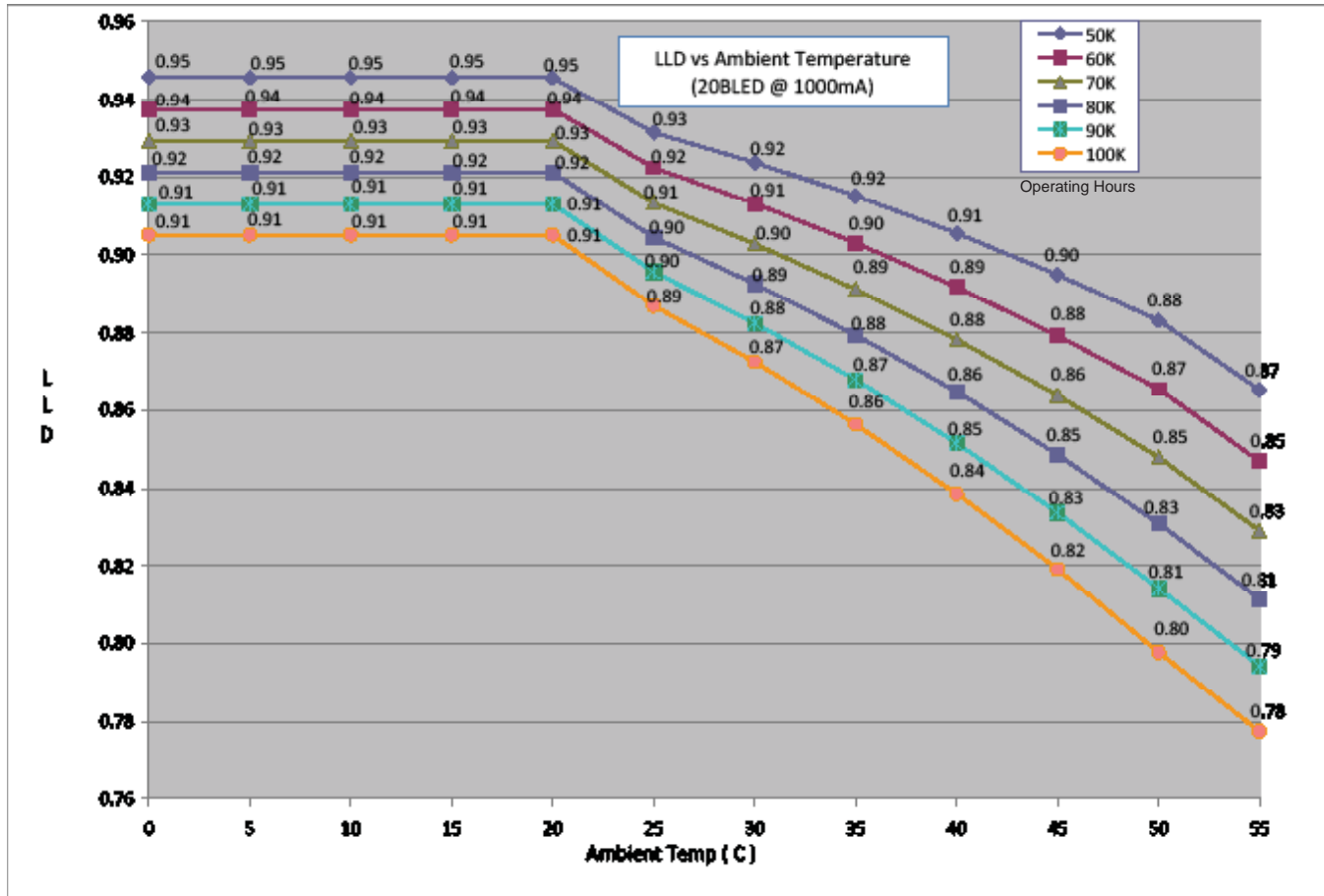


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* LLD vs. temperature charts are based on LM-80 chip data and in-situ thermal test testing per IES TM-21

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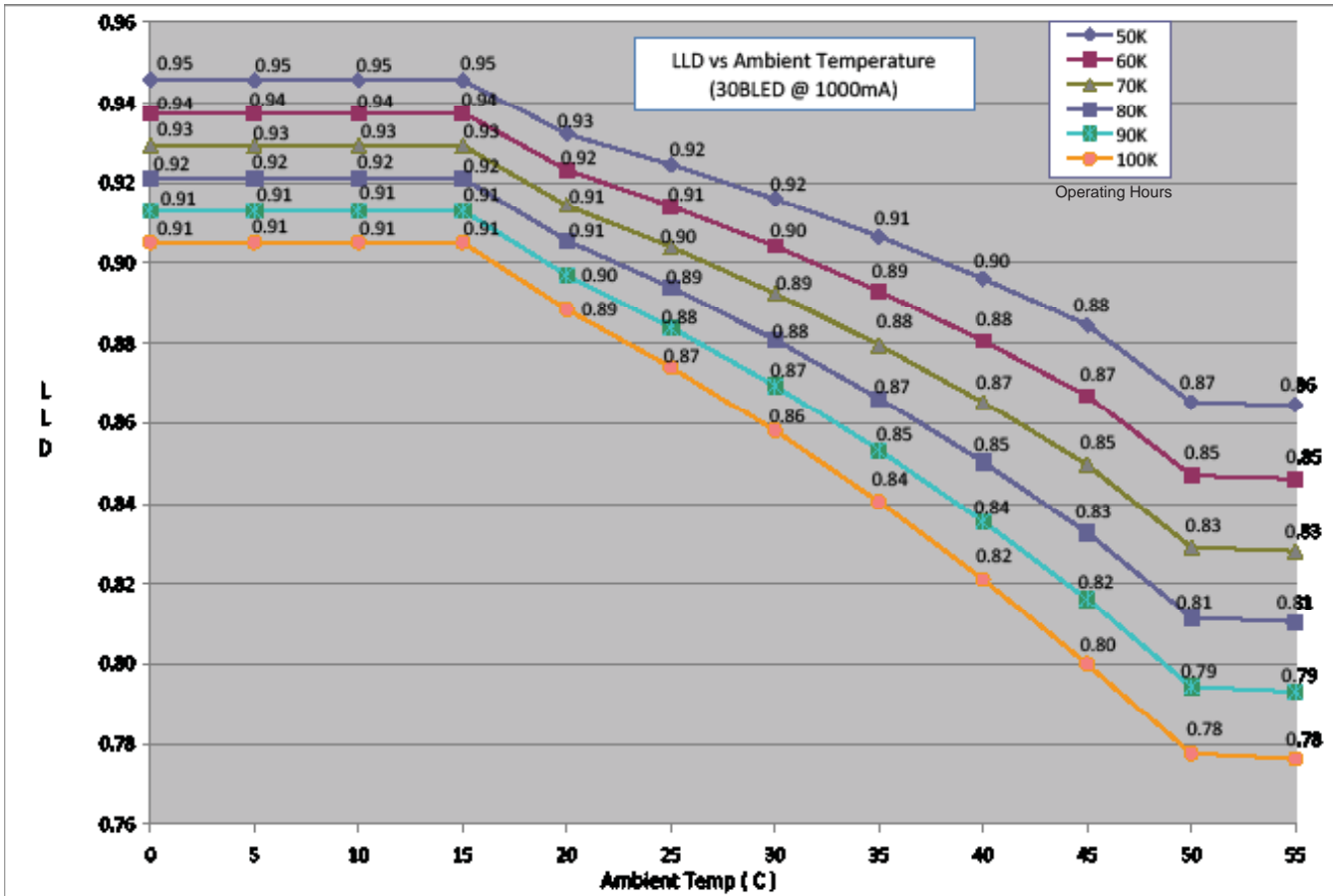


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