



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



Autobahn Series ATB2

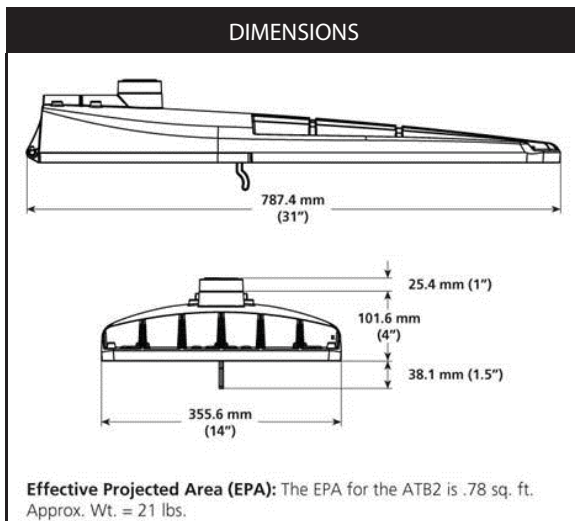
Roadway Lighting

PRODUCT OVERVIEW



Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots



Features:

OPTICAL

Same Light: Performance is comparable to 200-400W 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, & 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 40-50% over comparable HPS platforms.

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

MECHANICAL

Easy to Maintain: 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.

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).

Die-cast trigger latch on doorframe allows for tool-less entry and enables easy and secure opening with one hand.

CONTROLS

NEMA photocontrol receptacle is standard; 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

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ORDERING INFORMATION

Example: ATB2 40BLEDE70 MVOLT R2

Series	Performance Packages	Voltage	Optics
ATB2 Autobahn LED Roadway, Large	40BLEDE53 40B Chips, 525 mA Driver 40BLEDE70 40B Chips, 700 mA Driver 40BLEDE10 40B Chips, 1000 mA Driver 60BLEDE53 60B Chips, 525 mA Driver 60BLEDE70 60B Chips, 700 mA Driver 60BLEDE10 60B Chips, 1000 mA Driver 80BLEDE53 80B Chips, 525 mA Driver 80BLEDE70 80B Chips, 700 mA Driver 80BLEDE10 80B 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 IV R5 Roadway Type V

Options	
<u>Color Temperature (CCT)</u> (blank) 4000K (standard) 5K 5000K	<u>Misc.</u> HS House-Side Shield BL External Bubble CR Enhanced Corrosion Resistant Finish NL Nema Label XL Not CSA Listed
<u>Mounting</u> (blank) 4-bolt Internal (standard)	
<u>Paint</u> (blank) Gray (standard) GI Graphite BK Black BZ Bronze DDB Dark Bronze WH White UP Unpainted	<u>Controls</u> (blank) 3-Pin Photocontrol Receptacle (standard) NR ¹ No Photocontrol Receptacle PCSS Solid State Lighting Photocontrol(120-277V) PCLL Solid State Long Life Photocontrol SH Shorting Cap DE ^{2,3} ROAM CONCIERGE Dimming Control VE ^{2,3} ROAMVIEW Dimming control DM 0V - 10V dimmable driver (controls provided by others)
<u>Terminal Block</u> (blank) Terminal Block (standard) T2 Wired to L1 and L2 Position	

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
3. 60BLEDE10, 80BLEDE70 AND 80BLEDE10, Not available in 347V or 480V for DE and VE options

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DESIGN DATA

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Performance Package	Drive Current (mA)	Input Watts	Optic	4000K CCT	
				Delivered Lumens	Efficacy (LPW)
40B	525	70	R2	7027	100
	700	94		8975	95
	1000	146		12556	86
	525	70	R3	7106	102
	700	94		9075	97
	1000	146		12642	87
	525	70	R4	7106	102
	700	94		9075	97
	1000	146		12702	87
	525	70	R5	7418	106
	700	94		9474	101
	1000	146		12118	83
60B	525	105	R2	10503	100
	700	140		13374	96
	1000	216		18437	85
	525	105	R3	10620	101
	700	140		13522	97
	1000	216		18642	86
	525	105	R4	10620	101
	700	140		13522	97
	1000	216		18642	86
	525	105	R5	11086	106
	700	140		14117	101
	1000	216		19462	90
80B	525	139	R2	13890	100
	700	185		17601	95
	1000	284		23925	84
	525	139	R3	14044	101
	700	185		17796	96
	1000	284		24191	85
	525	139	R4	14044	101
	700	185		17796	96
	1000	284		24191	85
	525	139	R5	14661	105
	700	185		18578	100
	1000	284		25254	89

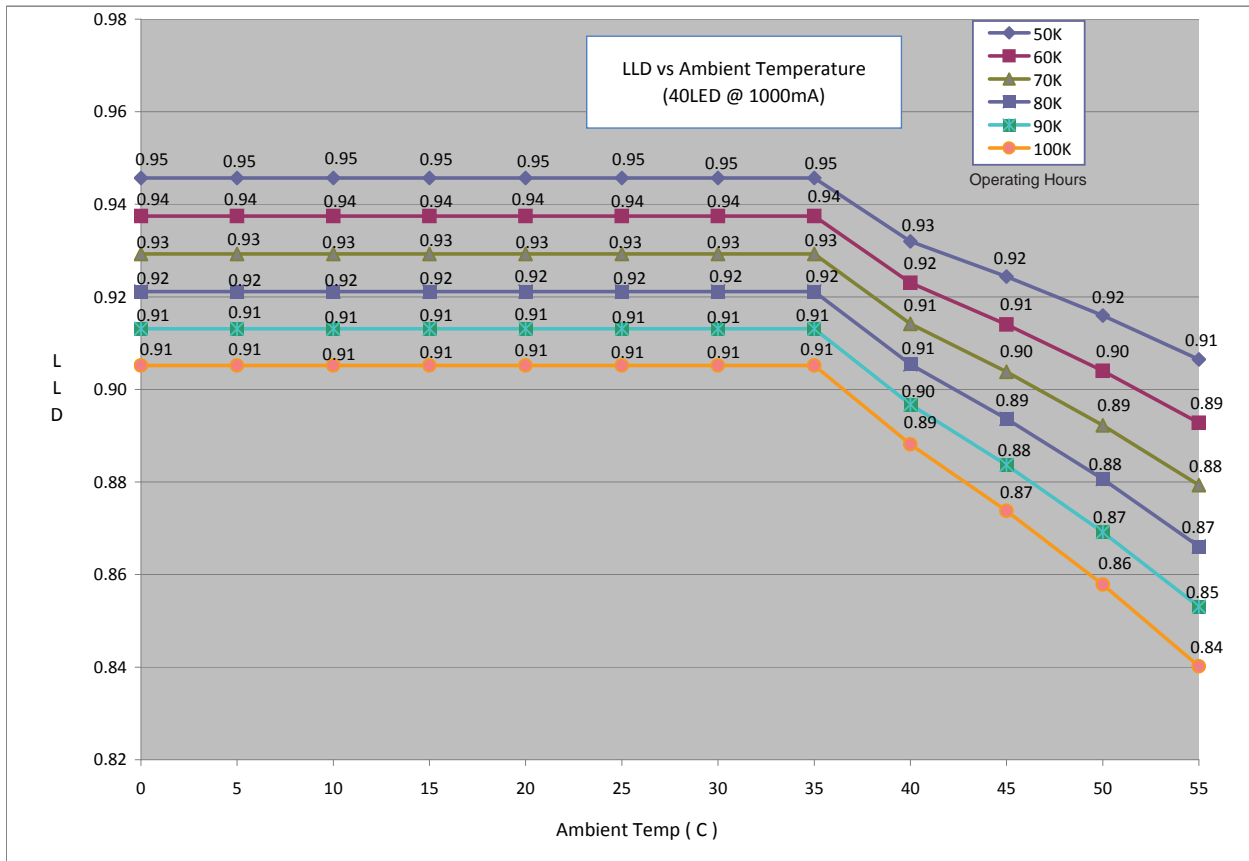


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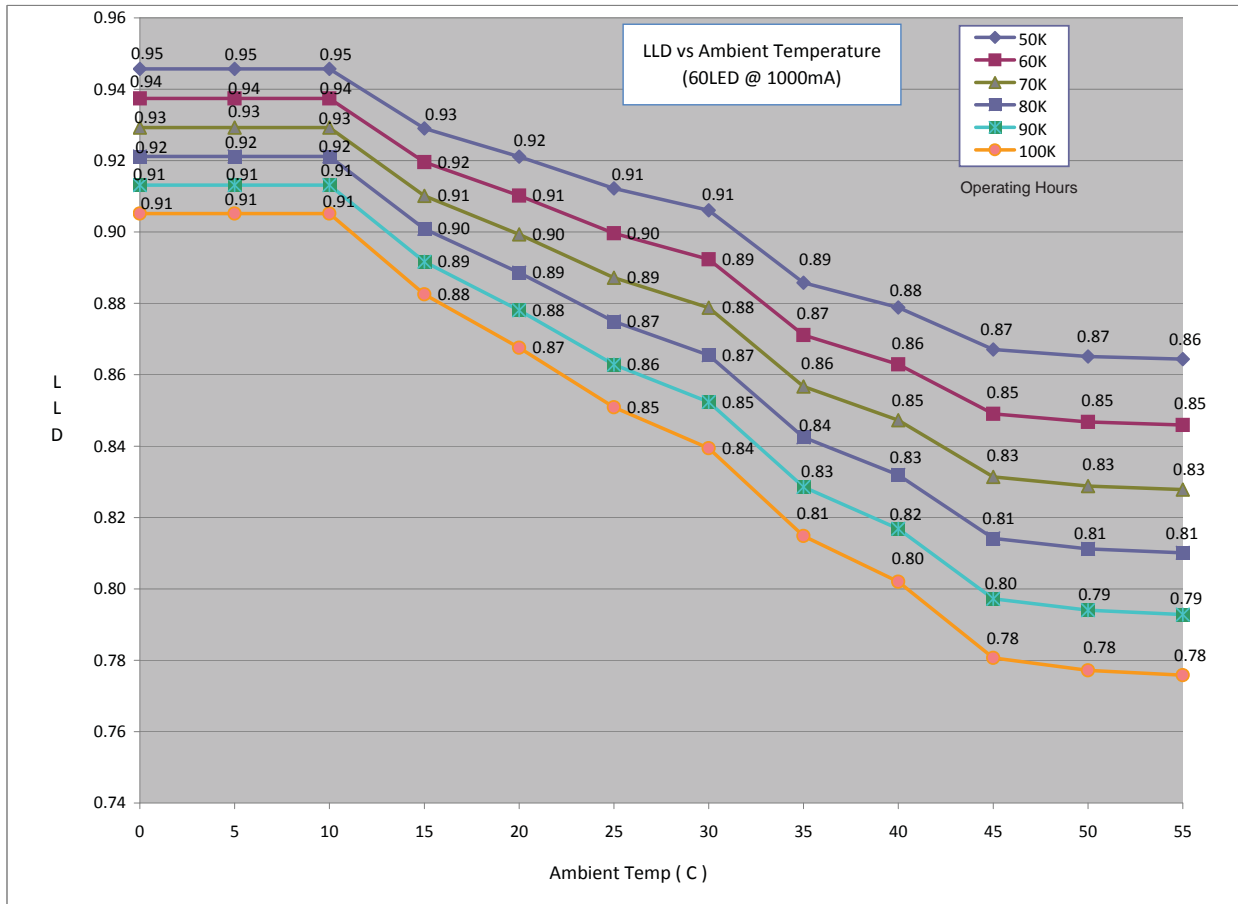
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DESIGN DATA



* 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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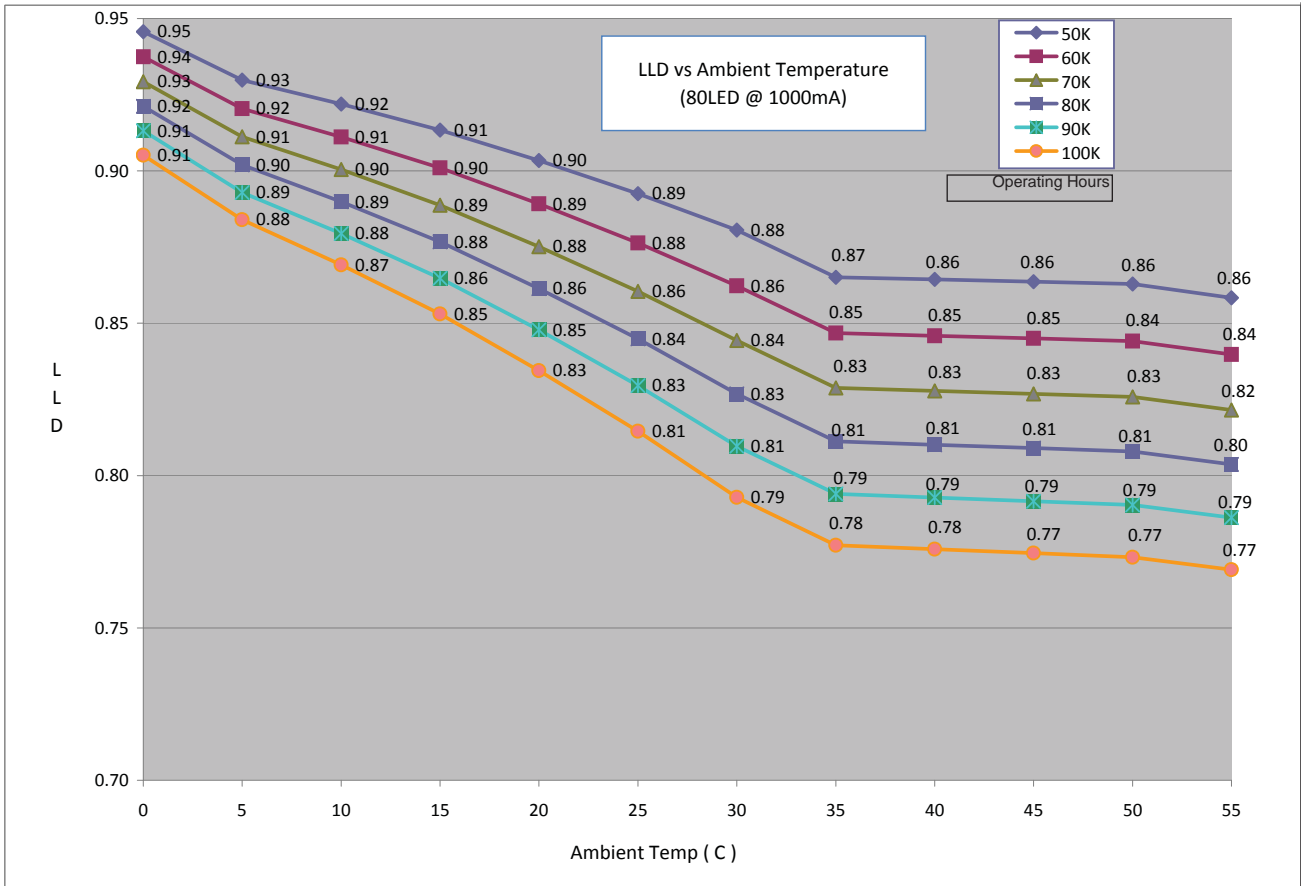


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