

ATTACHMENT F

Photometric Cut Sheets & Specifications



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

Autobahn Series ATBS

Roadway & Security Lighting

PRODUCT OVERVIEW



Applications:

- Residential streets
- Parking lots
- General security lighting

Features:

OPTICAL

Same Light: Performance is comparable to 50W – 150W HPS and up to 175W Mercury Vapor roadway and security lighting luminaires.

White Light: Correlated color temperature - standard 4000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.

IP66 rated borosilicate glass optics ensure longevity and minimize dirt depreciation. Unique IP66 rated LED light engines provide 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing.

Available distributions are Type II, III, and V roadway distributions. When used with the optional acrylic refractor the unit provides approximately 10% uplight and increased vertical foot-candles

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 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 easy 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 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. The 2 – bolt clamping mechanism provides 3G vibration rating per ANSI C136.

The 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 – PCL1 (20 year rated life)

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.

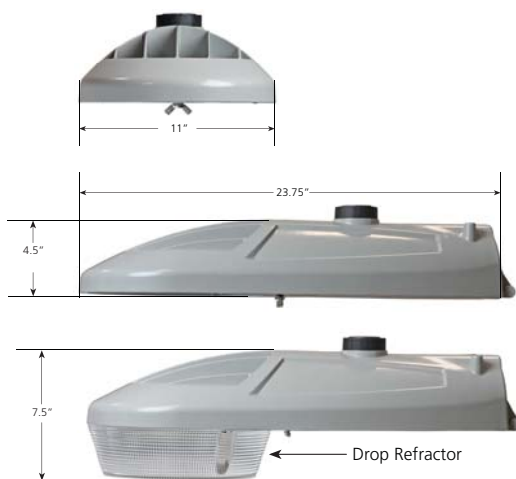
WARRANTY & STANDARDS

5 year limited warranty. Full warranty terms located at http://www.acuity-brands.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

DIMENSIONS



Effective Projected Area (EPA) The EPA for the ATBS is 0.6 sq. ft., Approx. Wt. = 12 lbs. (5 kg)

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: ATBS A MVOLT R2

Series	Performance Packages	Voltage	Optics
ATBS Autobahn LED Roadway & Security	A 1,800 lumens B 2,400 lumens E 4,000 lumens F 4,600 lumens G 5,600 lumens H 6,300 lumens	MVOLT Multi-volt, 120-277V	R2 Roadway Type II R3 Roadway Type III R5 Roadway Type V D2 Type II, Drop Refractor included D3 Type III, Drop Refractor included D5 Type V, Drop Refractor included

Options		
<u>Color Temperature (CCT)</u> (Blank) 4000K CCT, 70 CRI Min. (standard) 5K 5000K CCT, 70 CRI Min.	<u>Controls</u> (Blank) 3 Pin NEMA Photocontrol Receptacle NR¹ No Photocontrol Receptacle DM 0V-10V Dimmable Driver P5 5 Pin Photocontrol Receptacle (dimmable driver included) P7 7 Pin Photocontrol Receptacle (dimmable driver included) PCSS¹ DTL DSS Photocontrol PCL1¹ DTL DLL Photocontrol 120-277V A0 Field Adjustable Output SH Shorting Cap	<u>Accessories</u> ATBSREF Drop Refractor for field installation ATBSHSS House Side Shield for field installation ATBSLTS Light Trespass Shield for field installation
<u>Paint</u> Blank Gray (Standard) BK Black WH White BZ Bronze	<u>Install Packages</u> PKGS DTL DSS Photocontrol PKGL DTL DLL Photocontrol Packages ship with selected photocontrol, 24", 1 1/4" diameter arm, 5' of prewire and mounting hardware	
<u>Surge Protection</u> Blank Acuity SPD-10kV/5kA with inductive filter (Standard) MP MOV Pack IL SPD with Indicator Light	<u>Misc.</u> HSS House Side Shield NL NEMA Label XL Not CSA Certified	

Notes

1. Not available with Install Packages.

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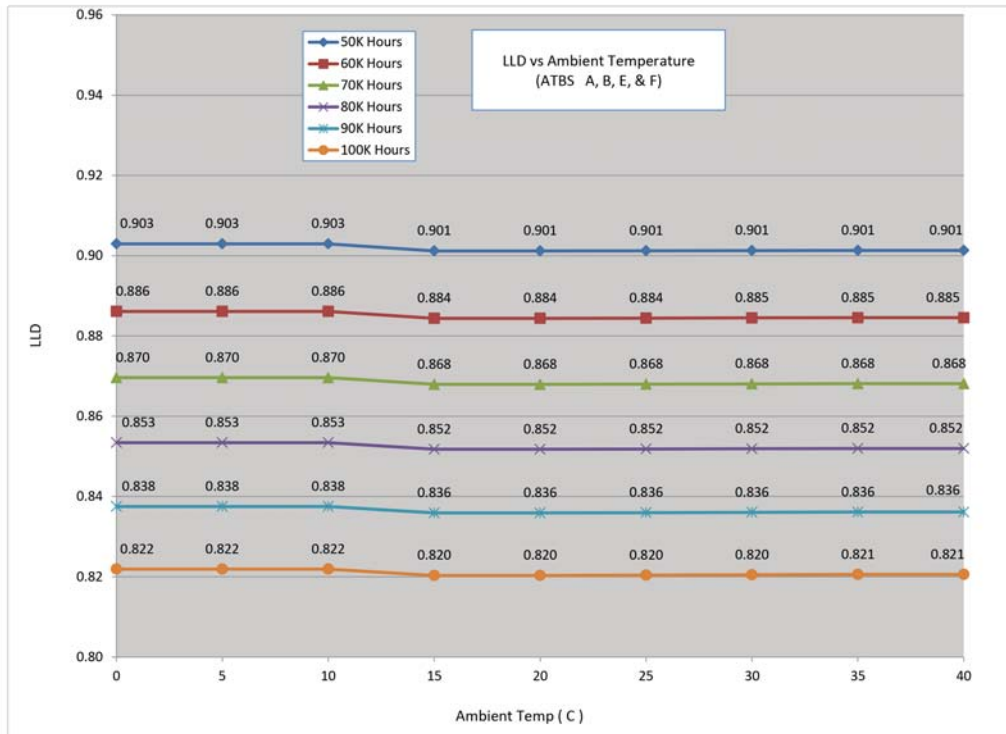
PERFORMANCE PACKAGE

Performance Package	Distribution	Lumens	LPW	Input Watts
A	R2	1,761	98	18
	R3	1,755	98	
	R5	1,838	102	
	D2	1,685	94	
	D3	1,658	92	
	D5	1,767	98	
B	R2	2,302	96	24
	R3	2,309	96	
	R5	2,411	100	
	D2	2,203	92	
	D3	2,182	91	
	D5	2,318	97	
E	R2	3,962	102	39
	R3	3,979	102	
	R5	4,246	109	
	D2	3,791	97	
	D3	3,760	96	
	D5	4,089	105	
F	R2	4,563	93	49
	R3	4,477	91	
	R5	4,795	98	
	D2	4,366	89	
	D3	4,231	86	
	D5	4,612	94	
G	R2	5,629	88	64
	R3	5,416	85	
	R5	5,837	91	
	D2	5,386	84	
	D3	5,118	80	
	D5	5,590	87	
H	R2	6,249	87	72
	R3	6,321	88	
	R5	6,739	94	
	D2	5,979	83	
	D3	5,973	83	
	D5	6,436	89	

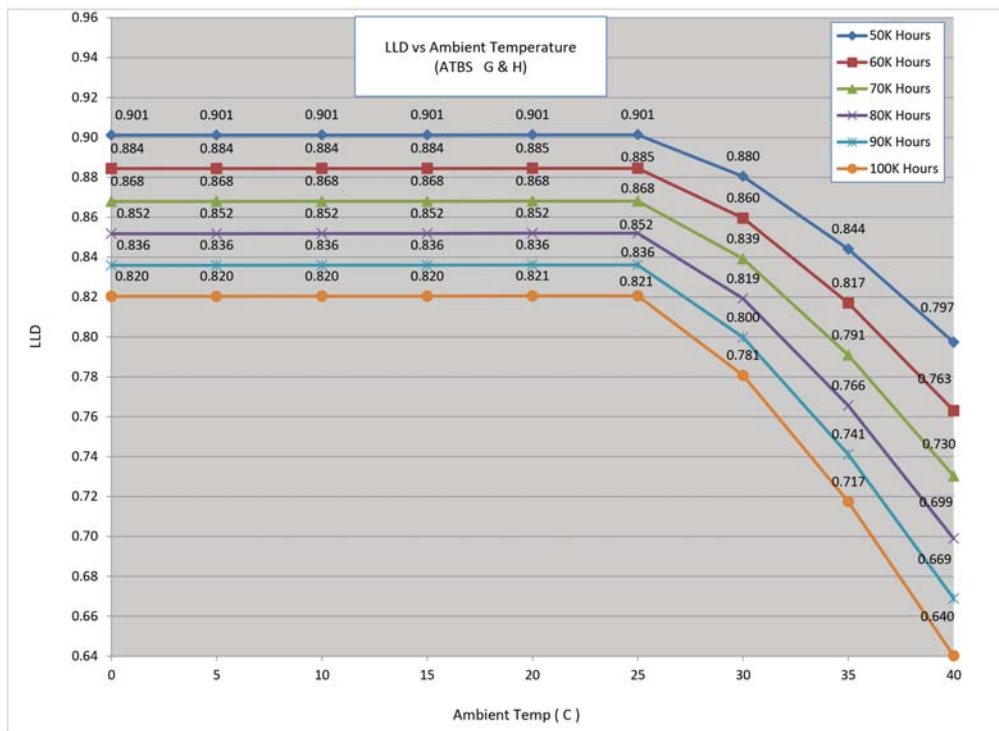
Note: Information shown above is based on nominal system data. Individual fixture performance may vary. Specifications subject to change without notice.

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PERFORMANCE PACKAGE



* 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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