



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

Autobahn Series ATBM Roadway

PRODUCT OVERVIEW



Applications:

- Residential streets
- Parking lots
- High speed roadways

Features:

OPTICAL

Same Light: Performance is comparable to 150W – 250W HPS

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, 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 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 and optional 4 bolt clamping mechanism provide 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).

Extreme long life solid state locking-style photocontrol with on demand remote on/off control - PCCC (15 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.

STANDARDS

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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 ATBM is 0.3 sq. ft.,
Approx. Wt. = 21 lbs. (9.5 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: ATBM A MVOLT R2

| Series | Performance Packages | Voltage | Optics | Mounting |
|----------------------------------|---|---|--|---|
| ATBM Autobahn LED Roadway | A 7,000 lumens B 8,000 lumens C 9,000 lumens D 11,600 lumens E 13,400 lumens F 15,700 lumens G 16,600 lumens H 17,400 lumens | 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 | (Blank) 2 Bolt Mounting 4B 4 Bolt Mounting |

Options

Color Temperature (CCT)

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

Paint

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

Surge Protection

(Blank) Acuity SPD
MP MOV Pack¹
IL SPD with Indicator Light

Miscellaneous Options

HSS House Side Shield
NL NEMA Label Indicating Wattage
XL Not CSA Certified – No Terminal Block Cover

Control Options

(Blank) 3 Pin NEMA Photocontrol Receptacle
P5 5 Pin Photocontrol Receptacle
P7 7 Pin Photocontrol Receptacle
NR No Photocontrol Receptacle
AO Field Adjustable Output
DM 0-10V Dimmable Driver
PCSS Solid-State Lighting Photocontrol
PCLL Solid-State Long Life Photocontrol
PCCC Solid-State Long Life Photocontrol with remote control on/off
SH Shorting Cap

Packages

(Blank) Standard Pack
JP Job Pack (24/pallet)

Accessories

ATBMHSS House Side Shield
ATBMLTS Light Trespass Shield
RKATBMMVOLTSPD ATBM Acuity SPD Replacement Kit MVOLT
RKATBMHVSPD ATBM Acuity SPD Replacement Kit 347/480V
RKATBMMVOLTMP ATBM MOV Pack Replacement Kit
RKATBMMVOLTIL ATBM IL SPD Replacement Kit

Notes:

1. Not available with G and H performance packages.

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AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
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Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx
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Please contact your sales representative for the latest product information.

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PERFORMANCE PACKAGE

| Performance Package | Distribution | 4000 K CCT | | | LLD @ 25°C | | |
|---------------------|--------------|------------|-------------|-----|------------|-----------|------------|
| | | Lumens | Input Watts | LPW | 50K Hours | 75K Hours | 100K Hours |
| A | R2 | 7,114 | 60 | 118 | 89 | 84 | 80 |
| | R3 | 7,024 | | 117 | | | |
| | R4 | 6,958 | | 116 | | | |
| | R5 | 7,469 | | 124 | | | |
| B | R2 | 8,090 | 70 | 115 | 89 | 84 | 80 |
| | R3 | 8,016 | | 114 | | | |
| | R4 | 7,924 | | 113 | | | |
| | R5 | 8528 | | 121 | | | |
| C | R2 | 9031 | 81 | 112 | 89 | 84 | 80 |
| | R3 | 8,942 | | 111 | | | |
| | R4 | 8,827 | | 110 | | | |
| | R5 | 9,517 | | 118 | | | |
| D | R2 | 11,769 | 95 | 124 | 90 | 87 | 84 |
| | R3 | 11,690 | | 123 | | | |
| | R4 | 11,534 | | 121 | | | |
| | R5 | 12,388 | | 130 | | | |
| E | R2 | 13,601 | 115 | 118 | 90 | 87 | 84 |
| | R3 | 13,416 | | 117 | | | |
| | R4 | 13,323 | | 116 | | | |
| | R5 | 14,263 | | 124 | | | |
| F | R2 | 15,932 | 133 | 120 | 90 | 86 | 83 |
| | R3 | 15,741 | | 118 | | | |
| | R4 | 15,476 | | 116 | | | |
| | R5 | 16,691 | | 125 | | | |
| G | R2 | 17,102 | 150 | 114 | 90 | 86 | 83 |
| | R3 | 16,974 | | 113 | | | |
| | R4 | 16,635 | | 111 | | | |
| | R5 | 17,938 | | 119 | | | |
| H | R2 | 18,085 | 164 | 111 | 90 | 86 | 83 |
| | R3 | 17,929 | | 110 | | | |
| | R4 | 17,439 | | 107 | | | |
| | R5 | 18,966 | | 116 | | | |

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