



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

# Autobahn Series ATB0 Roadway Lighting

OPKS - ATB0 30BLEDE70 MVOLT R2 IL P7 SH RFD210948 (GRAY-D)

## PRODUCT OVERVIEW



### Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

### Features:

#### OPTICAL

**Same Light:** Performance is comparable to 70-200W 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, 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 40-60% 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. 20kV/10kA protection is also available.

#### 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 easily 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 1000 hours exposure to salt fog chamber (operated per ASTM B117). Optional Enhanced Corrosion Resistant finish (CR) increases the salt spray exposure over 5000 hours.

Mast arm mount is 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 C136.31

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 - PCLL (20 year rated life).

Multi-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 also can allow a single fixture to be flexibly applied in many different applications.

#### STANDARDS

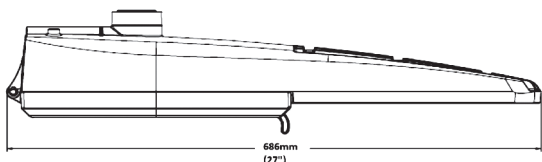
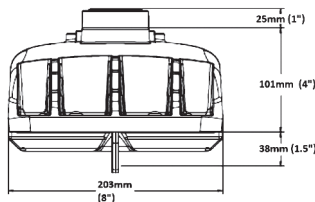
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

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 ATB0 is 0.76 sq. ft.  
Approx. Wt. = 14 lbs.

Note: Specifications subject to change without notice. Actual performance may differ as a result of end-user environment and application.

# Autobahn Series ATB0

## Roadway Lighting

### ORDERING INFORMATION

Example: ATB0 30LEDE10 MVOLT R2

| ATB0                             | 30BLEDE70   | MVOLT   | R2   |
|----------------------------------|---|---|--|
| Series                           | Performance Packages  | Voltage   | Optics   |
| <b>ATB0</b> Autobahn LED Roadway | <b>20BLEDE53</b> <sup>1</sup> 20B Chips, 525mA Driver<br><b>20BLEDE70</b> 20B Chips, 700mA Driver<br><b>20BLEDE10</b> 20B Chips, 1050mA Driver<br><b>20BLEDE13</b> 20B Chips, 1300mA Driver<br><b>30BLEDE70</b> 30B Chips, 700mA Driver<br><b>30BLEDE85</b> 30B Chips, 850mA Driver<br><b>30BLEDE10</b> 30B Chips, 1050mA Driver<br><b>30BLEDE13</b> 30B Chips, 1300mA Driver<br><b>30BLEDE15</b> <sup>2</sup> 30B Chips, 1500mA Driver | <b>MVOLT</b> Multi-volt, 120-277V<br><b>347</b> 347V<br><b>480</b> 480V | <b>R2</b> Roadway Type II<br><b>R3</b> Roadway Type III<br><b>R4</b> Roadway Type IV<br><b>R5</b> Roadway Type V |

IL - P7 - SH - RFD210948 "D" LABEL GRAY - RFD #6463 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** Standard 10kV/5kA SPD
- 20** 20kV/10KA SPD
- MP**<sup>2</sup> MOV Pack
- IL**<sup>2</sup> 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

#### Controls

- (Blank)** 3 Pin NEMA Photocontrol Receptacle (Standard)
- P5**<sup>3</sup> 5 Pin Photocontrol Receptacle (Dimmable Driver Included)
- P7**<sup>3</sup> 7 Pin Photocontrol Receptacle (Dimmable Driver Included)
- NR** No Photocontrol Receptacle
- AO**<sup>4</sup> Field Adjustable Output
- DM** 0V-10V Dimmable Driver (Controls by others)
- ML**<sup>5,6</sup> Multi-Level Dimming
- PCSS**<sup>2</sup> Solid State Lighting Photocontrol (120-277V)
- PCLL** Solid State Long Life Photocontrol
- SH** Shorting Cap

#### Packaging

- (Blank)** Single Unit (Standard)
- JP** Job Pack (42/Pallet)

#### Notes

- 20BLEDE53 not compatible with the following options: P5, P7, AO, DM, ML.
- Not available in 347 or 480V.
- Not available with DM, ML or NR.
- Not available with DM or ML options.
- Not available with AO, DM, P5 or P7 options.
- Dimming Schedule and light level information required from the customer in order to configure product. Contact Infrastructure Technical Support to proceed.



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
 www.americanelectriclighting.com  
 © 2014-2016 Acuity Brands Lighting, Inc. All Rights Reserved. 02/17/16

**Warranty** Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)  
 Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

*Please contact your sales representative for the latest product information.*

# Autobahn Series ATB0

## 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 |
| 20B                 | 525                | 39          | R2    | 4623             | 119            | 0.98       | 0.96       |
|                     | 700                | 48          |       | 5571             | 116            | 0.98       | 0.96       |
|                     | 1000               | 72          |       | 7760             | 108            | 0.96       | 0.92       |
|                     | 1300               | 88          |       | 8990             | 102            | 0.95       | 0.89       |
|                     | 525                | 39          | R3    | 4635             | 119            | 0.98       | 0.96       |
|                     | 700                | 48          |       | 5598             | 117            | 0.98       | 0.96       |
|                     | 1000               | 72          |       | 7829             | 109            | 0.96       | 0.92       |
|                     | 1300               | 88          |       | 9099             | 103            | 0.95       | 0.89       |
|                     | 525                | 39          | R4    | 4542             | 116            | 0.98       | 0.96       |
|                     | 700                | 48          |       | 5487             | 114            | 0.98       | 0.96       |
|                     | 1000               | 72          |       | 7653             | 106            | 0.96       | 0.92       |
|                     | 1300               | 88          |       | 8870             | 101            | 0.95       | 0.89       |
|                     | 525                | 39          | R5    | 4945             | 127            | 0.98       | 0.96       |
|                     | 700                | 48          |       | 5976             | 125            | 0.98       | 0.96       |
|                     | 1000               | 72          |       | 8391             | 117            | 0.96       | 0.92       |
|                     | 1300               | 88          |       | 9759             | 111            | 0.95       | 0.89       |
| 30B                 | 700                | 70          | R2    | 8536             | 122            | 0.98       | 0.96       |
|                     | 850                | 86          |       | 9891             | 115            | 0.96       | 0.92       |
|                     | 1000               | 104         |       | 11806            | 114            | 0.96       | 0.92       |
|                     | 1300               | 129         |       | 13754            | 107            | 0.95       | 0.89       |
|                     | 1500               | 150         |       | 15057            | 100            | 0.95       | 0.89       |
|                     | 700                | 70          | R3    | 8413             | 120            | 0.98       | 0.96       |
|                     | 850                | 86          |       | 9774             | 114            | 0.96       | 0.92       |
|                     | 1000               | 104         |       | 11639            | 112            | 0.96       | 0.92       |
|                     | 1300               | 129         |       | 13502            | 105            | 0.95       | 0.89       |
|                     | 1500               | 150         |       | 15085            | 101            | 0.95       | 0.89       |
|                     | 700                | 70          | R4    | 8209             | 117            | 0.98       | 0.96       |
|                     | 850                | 86          |       | 9635             | 112            | 0.96       | 0.92       |
|                     | 1000               | 104         |       | 11392            | 110            | 0.96       | 0.92       |
|                     | 1300               | 129         |       | 13215            | 102            | 0.95       | 0.89       |
|                     | 1500               | 150         |       | 14755            | 98             | 0.95       | 0.89       |
|                     | 700                | 70          | R5    | 8576             | 123            | 0.98       | 0.96       |
|                     | 850                | 86          |       | 9968             | 116            | 0.96       | 0.92       |
|                     | 1000               | 104         |       | 11847            | 114            | 0.96       | 0.92       |
|                     | 1300               | 129         |       | 13766            | 107            | 0.95       | 0.89       |
|                     | 1500               | 150         |       | 15172            | 101            | 0.95       | 0.89       |

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

| ATB0 LLD Multiplier | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C |
|---------------------|------|------|------|------|------|------|
|                     | 1.02 | 1.01 | 1    | 0.98 | 0.97 | 0.95 |

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.



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
 www.americanelectricalighting.com  
 © 2014-2016 Acuity Brands Lighting, Inc. All Rights Reserved. 02/17/16

**Warranty** Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)  
 Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

**Please contact your sales representative for the latest product information.**