

ROADWAY LIGHTING



Autobahn Series | ATB0 & ATB2 | LED Roadway

ROADWAY LIGHTING

The Autobahn LED – ATB0 & ATB2

Quality performance with quick payback. The Autobahn LED uses breakthrough LEDs and precision-engineered optics to provide exceptional illumination while also saving energy. Plus, it works seamlessly with the Acuity Brands ROAM® system to maximize energy and maintenance savings through enhanced monitoring and control functions

REDUCES
Maintenance
Costs by **50%**

REDUCES
Energy Costs by **60%**

REDUCES
CO₂ Emission by **60%**



Key Features

- Replaces 70 - 400 watt cobraheads
- Latest LED technology and optimized lenses provide 40-60% energy savings over HPS
- Acuity surge protection device (SPD) provides ANSI/IEEE C62.41 Class C protection
- Diecast trigger latch on door and tool-less PEC receptacle make installation easy.
- Standard correlated color temperatures (CCT) are 4000K and 5000K

Applications

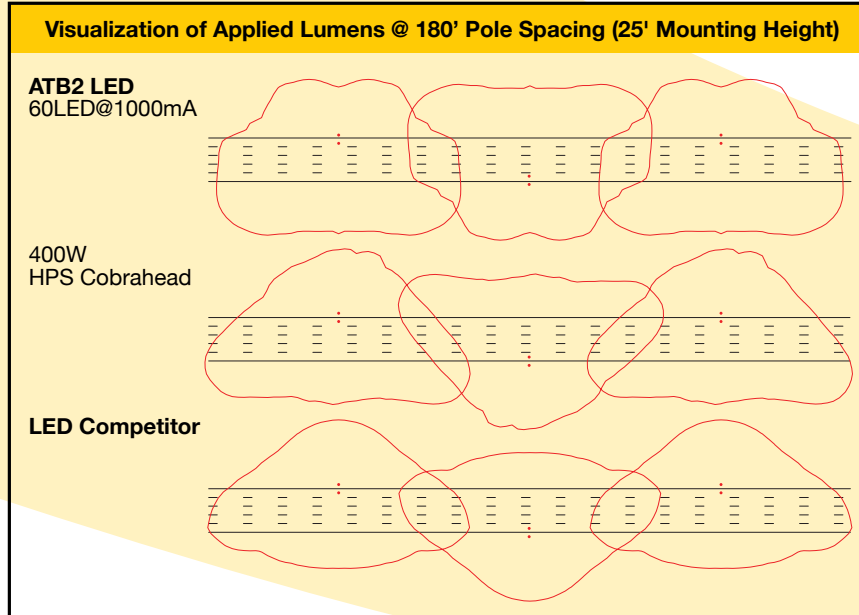
- Municipal Streets and Public Roadways
- Residential Areas
- Campuses
- Military Bases
- Industrial Parks
- Hotels and Resorts
- Municipal Parks
- Recreation Centers



Optical Performance

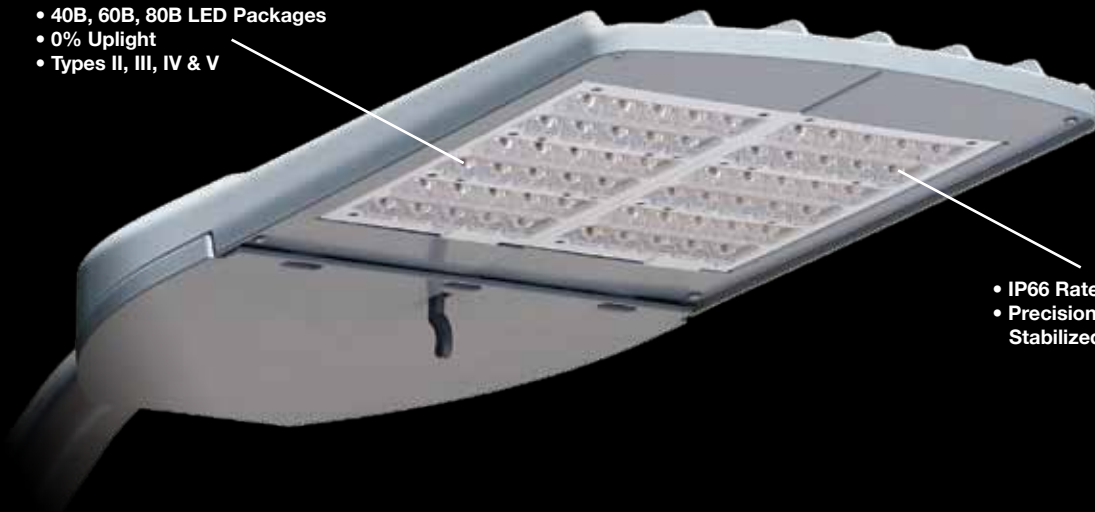
Using breakthrough LEDs and highly engineered precision optics, the Autobahn series provides highly efficient superior optical distributions, which drive 40-60% energy savings over HID.

ATB2



Luminaire Performance	400W HPS Cobrahead	Autobahn LED 80LED@700mA	LED Competitor
Pole Spacing	440	440	440
Average Footcandles	1.1	0.7	0.6
Avg/Min	5.5	2.3	3
Power (Watts)	465	182	198
Energy Savings	Baseline	61%	57%

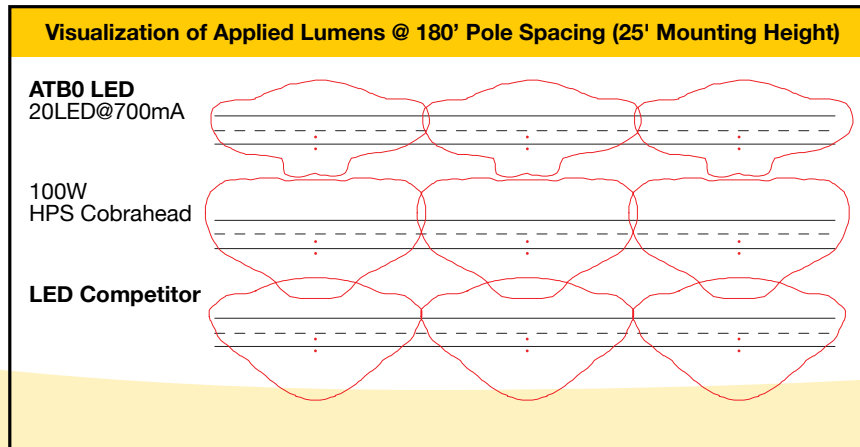
- 40B, 60B, 80B LED Packages
- 0% Uplight
- Types II, III, IV & V



- IP66 Rated Light Engines
- Precision Engineered UV Stabilized Acrylic Optics

Optical Performance

ATBO



Luminaire Performance	100W HPS Cobrahead	Autobahn LED 20LED@700mA	LED Competitor
Pole Spacing	180	180	180
Average Footcandles	0.7	0.4	0.4
Avg/Min	7	4	4
Power (Watts)	115	48	71
Energy Savings	Baseline	58%	38%

- 20A, 20B, 30B LED Packages
- 0% Uplight
- Types II, III, IV & V



- IP66 Rated Light Engines
- Precision Engineered UV Stabilized Acrylic Optics

Mechanical Design

The rugged die cast aluminum housing provides superior thermal management to effectively cool internal electronics and LED's. This coupled with the durable polyester powder coat paint insures corrosion resistance and product longevity. Light weight and lineman-friendly features make the Autobahn easy to install, and its long reliable operating life significantly reduces lighting maintenance.

ATB2



Internal Bubble Level facilitates installation



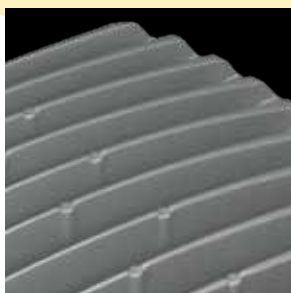
Four Bolt Mounting provides 3G vibration rating and +/- 5 degree tilt



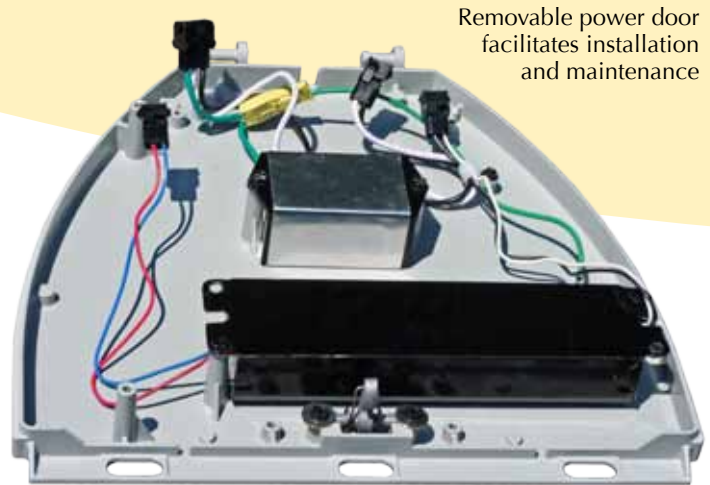
Terminal Block can be wired using only a flat blade screwdriver



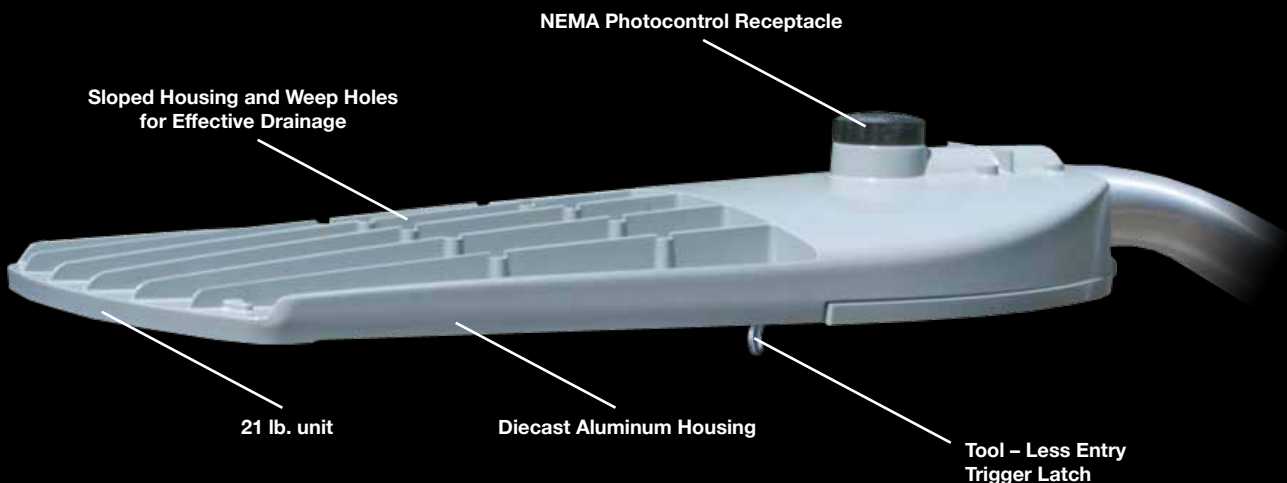
NEMA Photocontrol Receptacle



Longitudinal Heat Sink Fins



Removable power door facilitates installation and maintenance



Mechanical Design

ATB0



Internal Bubble Level facilitates installation



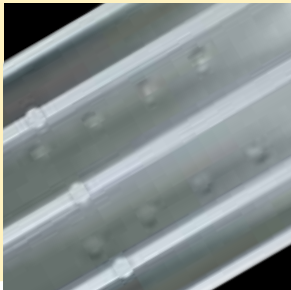
Leveling steps and two bolt mounting provide 3G vibration rating and +/- 5 degree tilt



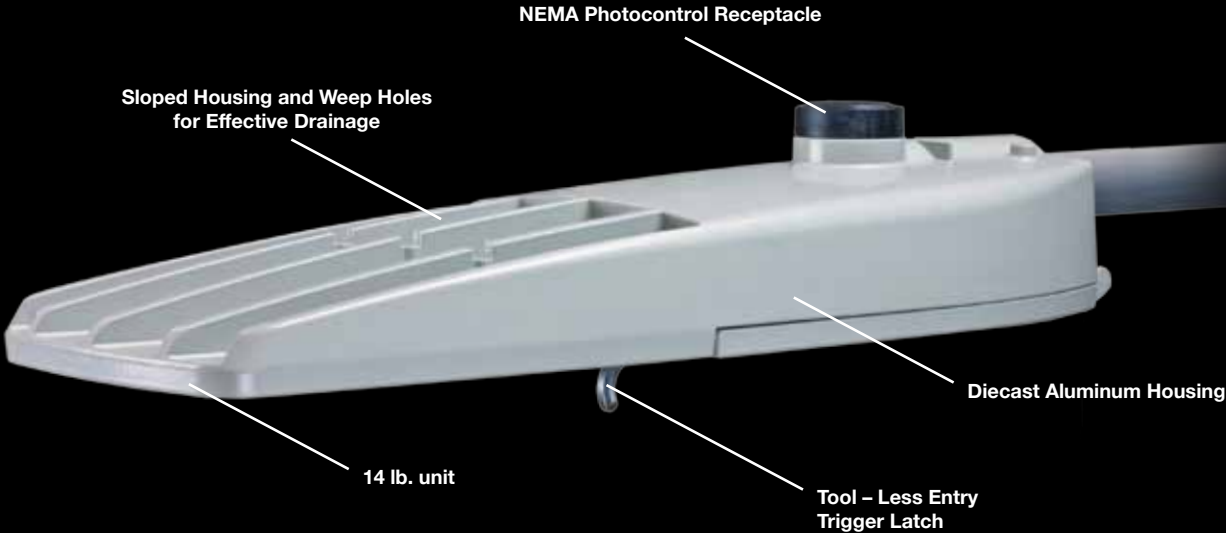
Terminal Block can be wired using only a flat blade screwdriver



NEMA Photocontrol Receptacle



Longitudinal Heat Sink Fins



Autobahn Series ATB2

ORDERING INFORMATION

Example: ATB2 40BLEDE70 MVOLT R2

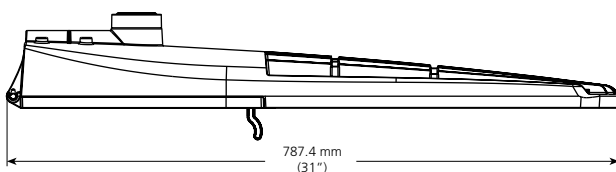
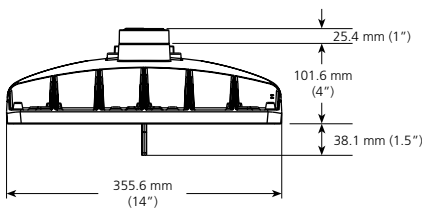
Series	Performance Packages	Voltage	Optics
ATB2 Autobahn LED Roadway, Large	40BLEDE53 40B Chips, 525 mA Driver 40BLEDE70 40B Chips, 700 mA Driver 40BLEDE10 40B Chips, 1000 mA Driver 60BLEDE53 60B Chips, 525 mA Driver 60BLEDE70 60B Chips, 700 mA Driver 60BLEDE10 60B Chips, 1000 mA Driver 80BLEDE53 80B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

Color Temperature (CCT) (blank) 4000K (standard) 5K 5000K	Terminal Block (blank) Terminal Block (standard) T2 Wired to L1 and L2 Position
Mounting (blank) 4-bolt Internal (standard)	Misc. HS House-Side Shield BF Fitted to Withstand 3G Vibration BL External Bubble Level
Paint (blank) Gray (standard) GI Graphite BK Black BZ Bronze DDB Dark Bronze WH White UP Unpainted	Controls (blank) NEMA Photocontrol Receptacle (standard) NR No Photocontrol Receptacle PCSS Solid State Lighting Photocontrol (120-277V) SH Shorting Cap DE Dimming Enabled (0-10V) ¹

Notes:

- DE option not available 347 or 480V
Dimming controlled via ROAM system (sold separately)
Contact factory for details



Effective Projected Area (EPA)
The EPA for the ATB2 is 0.78 sq. ft.,
Approx. Wt. = 21 lbs. (9.53 kg)

U.S. Patent No. D663,462



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

Autobahn Series ATB0

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	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

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

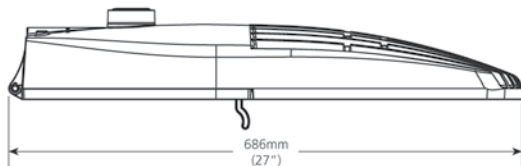
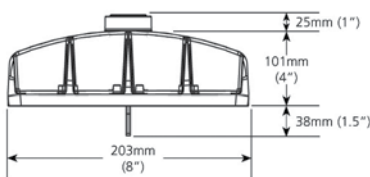
Notes:
 1 Dimming controlled via ROAM system (sold separately)
 Contact factory for details

Mounting
 (blank) 2-bolt Internal (standard)

Misc.
HS House-Side Shield
BL External Bubble Level

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

Controls
 (blank) NEMA Photocontrol Receptacle (standard)
NR No Photocontrol Receptacle
PCSS Solid State Lighting Photocontrol (120-277V)
SH Shorting Cap
DE Dimming Enabled (0-10V)¹



Effective Projected Area (EPA)
 The EPA for the ATB0 is 0.76 sq. ft.,
 Approx. Wt. = 14 lbs. (6.35 kg)

U.S. Patent No. D663,462



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

Product Overview

Optical

Performance is comparable to 70-400W HPS roadway luminaires

Average correlated color temperature (CCT) is 4000K, 70 CRI minimum or 5000K, 65CRI.

Unique IP66 rated LED light engines provide 0% upright and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, Type III, TypeIV or Type V roadway distributions. DesignLights™ Consortium approved

Electrical

Long Life: LED light engines are rated >100,000 hours at 40°C, L70. Electronic driver has a rated life of 100,000 hours at a 20°C ambient

Acuity's proprietary surge protection device 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. The electrical

platform and durable housing materials provide superior longevity and reduce the need for maintenance

Rugged diecast 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)

Mast arm mount provides easy, secure installation and is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Wildlife shield is cast into the housing (not a separate piece)

Diecast trigger latch on door frame 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 makes photocontrol orientation easy

Dimming version (available with DE 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 option) meets ANSI C136.10 criteria

Warranty & Standards

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

Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

The Autobahn LED

Lighting for the Future

Providing quality performance with quick payback, Autobahn, the next generation LED cobrahead from AEL, will drive you to significant energy savings, lower maintenance costs, and peace of mind. The Autobahn is designed to upgrade existing HID cobraheads with progressive styling and advanced solid-state lighting performance, enhancing the landscape and improving nighttime safety. AEL provides you the assurance and confidence of a dependable solution from the industry leader. With 60 years of roadway experience, we “know the road” and our expertise manifests itself in the Autobahn’s optical design, tool-less features, and component reliability. Move forward with Autobahn.





AEL Headquarters, 3825 Columbus Road,
Granville, OH 43023

Warranty Five-year limited warranty.
Full warranty terms located at
[www.acuitybrands.com/CustomerResources/
Terms_and_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Visit our web site at www.americanelectricleighting.com

*Product specifications may change without notice.
Please contact your sales representative for the
latest product information.*

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