

ROADWAY LIGHTING



Autobahn Series | ATBL, ATBM & ATBS
LED Roadway



ROADWAY LIGHTING

The Autobahn LED – ATBL, ATBM & ATBS

Built on breakthrough LEDs and precision-engineered glass optics, Autobahn luminaires provide exceptional illumination while saving energy and reducing maintenance cost. They also work seamlessly with advanced Acuity Brands® controls which allow for maximized energy savings, as well as enhanced monitoring and reporting functions.

REDUCES
Maintenance
Costs by **50%**

REDUCES
Energy Costs by **60%**

REDUCES
CO₂ Emission by **60%**



Key Benefits

- 60% more energy efficient than comparable HID luminaires
- Long life and reduced maintenance make it the ultimate sustainable solution for renovating legacy roadway lighting
- Leading edge optics and white light improve visibility on roadways
- Sleek, attractive dayform with weight and EPA less than comparable 50 – 400W cobraheads ensure no issues with retrofitting to existing poles and arms
- Standard “Enhanced” 10kV/5kA surge protection with 20kV/10kA “Extreme” surge protection option available
- Improved fixture efficacy reduces energy usage vs competitive LED fixtures
- 3000K, 4000K & 5000K CCT, 70 CRI Min.
- A complete line of Acuity Controls capabilities ensure a long, virtually maintenance-free life, while also allowing for energy reduction, monitoring and control

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 zero uplight with highly efficient superior optical distributions, which drive 40-60% energy savings over HID.

ATBL



- 250-400W Replacement
- Types II, IIN, III, IV & V

ATBM



- 150-250W Replacement
- Types II, III, IV & V

ATBS



- 50-150W Replacement
- Types II, III & V

IP66 rated borosilicate glass optics for increased longevity and decreased dirt depreciation

Optical Performance

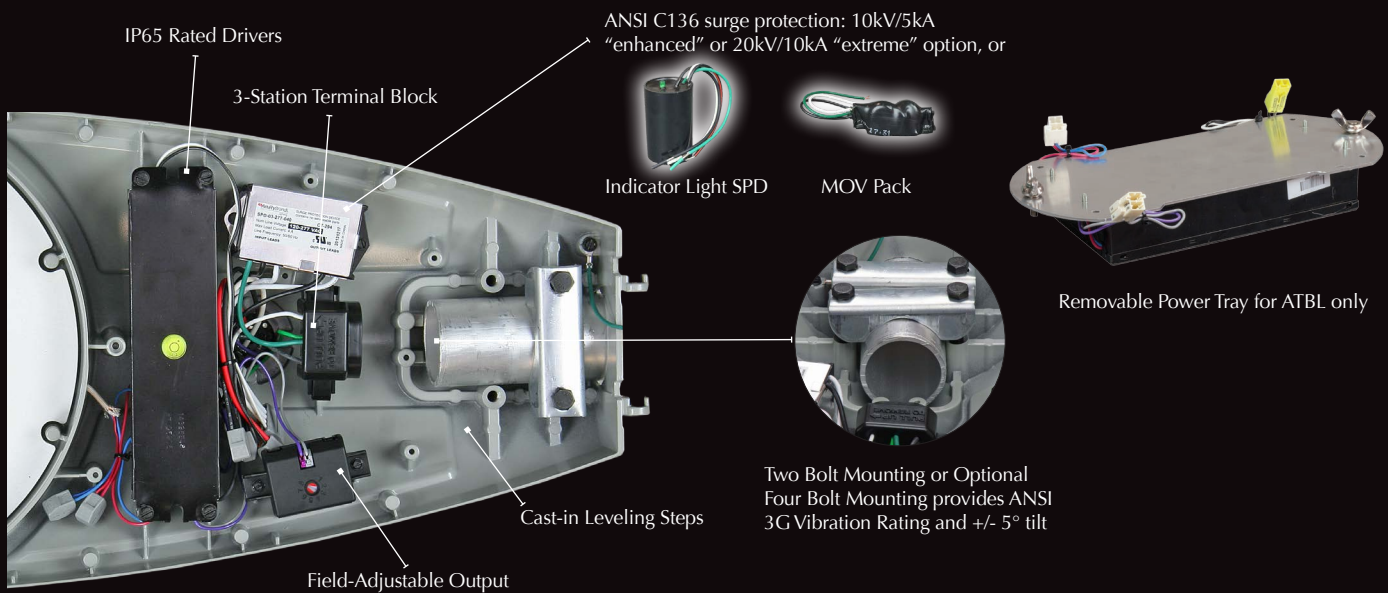
Luminaire Performance	400W HPS Cobrahead	LED Competitor	ATBL E R2
Pole Spacing	440 ft.	440 ft.	440 ft.
Average Footcandles	1.1	1.3	1.3
Avg/Min	5.5	2.3	2.2
Power (Watts)	465	264	238
Energy Savings	Baseline	43%	49%

Luminaire Performance	250W HPS Cobrahead	LED Competitor	ATBM E R2
Pole Spacing	480 ft.	480 ft.	480 ft.
Average Footcandles	1.7	1	1.2
Avg/Min	3.4:1	3.3:1	2.9:1
Power (Watts)	300W	139W	115W
Energy Savings	Baseline	54%	62%

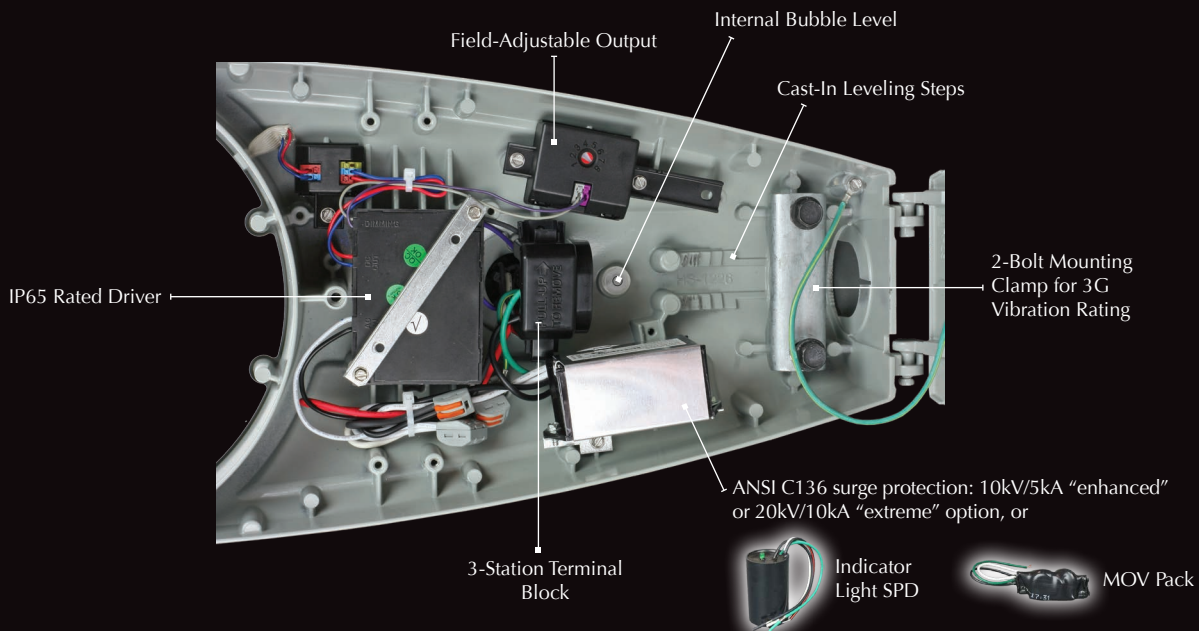
Luminaire Performance	AEL 100W HPS	LED Competitor	ATBS E R2
Pole Spacing	180 ft.	180 ft.	180 ft.
Average Footcandles	0.7	0.5	0.5
Avg/Min	7:1	5:1	5:1
Power (Watts)	115W	42W	39W
Energy Savings	Baseline	63%	66%

Autobahn 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, ensures corrosion resistance and product longevity. Lineman-friendly features make the Autobahn easy to install and its long, reliable operating life reduces the hassle of lighting grid maintenance.



ATBS



Autobahn Series ATBL

Autobahn LED ATBL

Example: ATBL A MVOLT R2

Series	Performance Packages	Voltage	Optics
ATBL Autobahn ATBL LED Roadway	A 19,000 lumens B 21,000 lumens C 22,000 lumens D 25,000 lumens E 27,000 lumens F 29,000 lumens G 30,000 lumens	MVOLT Multi-volt, 120-277V 347 347V 480 480V	N2 Roadway Type II, Narrow R2 Roadway Type II R3 Roadway Type III R4 Roadway Type IV R5 Roadway Type V

Options

Mounting

- (Blank)** 2 Bolt Mounting
4B 4 Bolt Mounting

Color Temperature (CCT)

- (Blank)** 4000K CCT, 70 CRI Min.
3K 3000K CCT, 70 CRI Min.
5K 5000K CCT, 70 CRI Min.

Paint

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

Surge Protection

- (Blank)** Standard 10kA/5kV SPD
20 20kV/10kA SPD
MP MOV Pack – 10kA/5kV SPD
IL SPD with Indicator Light – 10kA/5kV SPD

Misc.

- HSS** House Side Shield
NL NEMA Label
PT Power Tray
XL Not CSA Certified

Controls

- (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 0V-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

Install Packages

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

Accessories

- ATBMHSS** House Side Shield for field installation
ATBMLTS Light Trespass Shield for field installation



Effective Projected Area (EPA)
 The EPA for the ATBL is .75 sq. ft.
 Approx. Wt. = 30 lbs. (13.6 kg.)



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

Autobahn Series ATBM

Autobahn LED ATBM

Example: ATBM D MVOLT R2

Series	Performance Packages	Voltage	Optics
ATBM Autobahn ATBM 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

Options

Mounting

(Blank)	2 Bolt Mounting
4B	4 Bolt Mounting

Color Temperature (CCT)

(Blank)	4000K CCT, 70 CRI Min.
3K	3000K CCT, 70 CRI Min.
5K	5000K CCT, 70 CRI Min.

Paint

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

Surge Protection

(Blank)	Standard 10kA/5kV SPD
20	20kV/10kA SPD
MP	MOV Pack – 10kA/5kV SPD
IL	SPD with Indicator Light – 10kA/5kV SPD

Misc.

HSS	House Side Shield
NL	NEMA Label
XL	Not CSA Certified

Controls

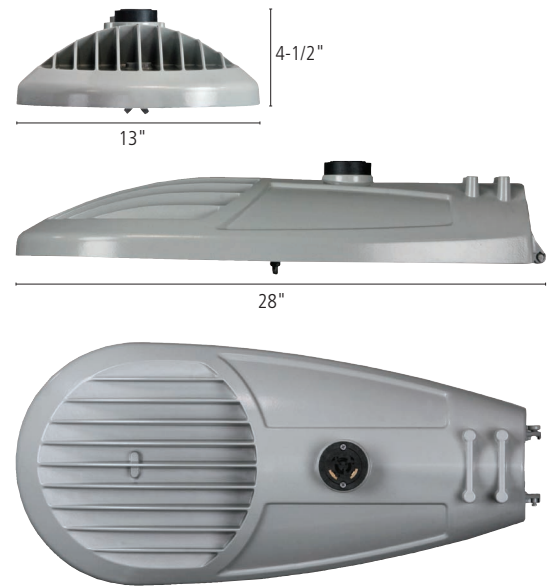
(Blank)	3 Pin NEMA Photocontrol Receptacle
P5	5 Pin Photocontrol Receptacle
P7	7 Pin Photocontrol Receptacle
NR	No Photocontrol Receptacle
AO	Field Adjustable Output
DM	0V-10V Dimmable Driver
PCSS	Solid-State Lighting Photocontrol
PCLL	Solid-State Long Life Photocontrol
PCCC	Solid-State Long Life Photocontrol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

Install Packages

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

Accessories

ATBMHSS	House Side Shield for field installation
ATBMLTS	Light Trespass Shield for field installation



Effective Projected Area (EPA)
 The EPA for the ATBM is 0.3 sq. ft.,
 Approx. Wt. = 21 lbs. (9.5 kg)



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

Autobahn Series ATBS

Autobahn LED ATBS

Example: ATBS A MVOLT R2

Series	Performance Packages	Voltage	Optics
ATBS Autobahn ATBS LED Roadway	A 1,900 lumens B 3,200 lumens C 3,800 lumens E 4,700 lumens F 5,400 lumens G 6,100 lumens H 7,100 lumens I 8,500 lumens	MVOLT Multi-volt, 120-277V	R2 Roadway Type II R3 Roadway Type III R5 Roadway Type V

Options

Color Temperature (CCT)

(Blank)	4000K CCT, 70 CRI Min.
3K	3000K CCT, 70 CRI Min.
5K	5000K CCT, 70 CRI Min.

Paint

Blank	Gray (Standard)
BK	Black
WH	White
BZ	Bronze

Surge Protection

Blank	Standard 10kA/5kV SPD
20	20kV/10kA SPD
MP	MOV Pack – 10kA/5kV SPD
IL	SPD with Indicator Light – 10kA/5kV SPD

Misc.

HSS	House Side Shield
NL	NEMA Label
XL	Not CSA Certified

Controls

(Blank)	3 Pin NEMA Photocontrol Receptacle
NR'	No Photocontrol Receptacle
DM	0V-10V Dimmable Driver

Controls

P5	5 Pin Photocontrol Receptacle (dimmmable driver included)
P7	7 Pin Photocontrol Receptacle (dimmmable driver included)
PCSS'	DTL DSS Photocontrol
PCL1'	DTL DLL Photocontrol 120-277V
PCCC	Solid-State Long Life Photocontrol with remote control on/off
AO	Field Adjustable Output
SH	Shorting Cap

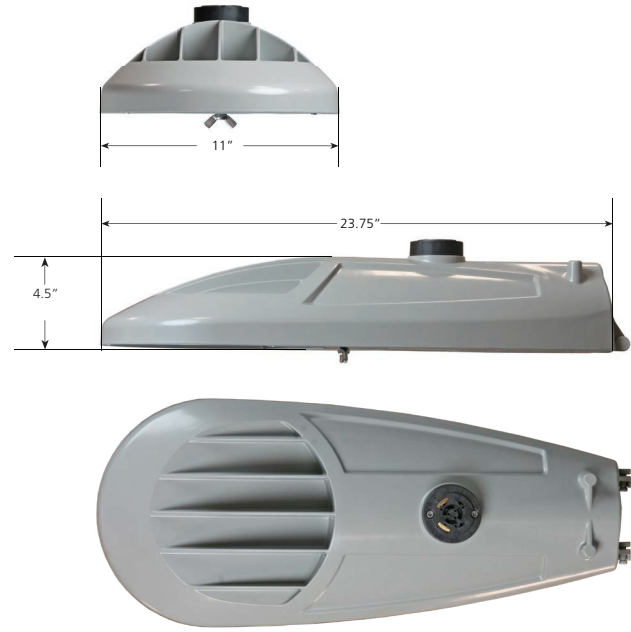
Install Packages

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

Accessories

ATBSHSS	House Side Shield for field installation
ATBSLTS	Light Trespass Shield for field installation



Effective Projected Area (EPA)

The EPA for the ATBS is 0.25 sq. ft.,
Approx. Wt. = 12 lbs. (5 kg)



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

Notes

1. Not available with Install Packages.

Control Options



NEMA 3 Pin Photocontrol Receptacle
ANSI standard locking style receptacle that accepts 3 pin controls for On/Off operation.

Fixture Option
Default



Premium Solid State Photocontrol
Premium Dark to Light®, DSS solid state approved locking style photocontrol with 10 year rated life and 5 year warranty.

Fixture Option
PCSS



NEMA 5 Pin Photocontrol Receptacle
ANSI standard locking style receptacle that accepts 3-pin & 5-pin controls. The unit is provided with a 0V - 10V dimming driver with low voltage leads connected to pins 4 & 5 on the receptacle.

Fixture Option
P5



Extreme Long Life Solid State Photocontrol
Premium Dark to Light® DLL solid state approved locking style photocontrol with 20 year rated life and 10 year warranty.

Fixture Option
PCLL



NEMA 7 Pin Photocontrol Receptacle
ANSI standard locking style receptacle that accepts 3-pin, 5-pin, and 7-pin controls. The unit is provided with a 0V - 10V dimming driver with low voltage leads connected to pins 4 & 5 on the receptacle.

Fixture Option
P7



Field Adjustable Output
Onboard module that provides (8) different settings to adjust the light output and input wattage from 100% down to approximately 35% to meet site specific requirements, allowing a single fixture configuration to be flexibly applied in many different applications.

Fixture Option
AO



Local Remote On/Off Control
Premium Dark to Light® DCC solid state approved locking style photocontrol that remotely connects with a DCR (remote control) to provide on demand on/off control of the luminaire, 15 year rated life and 10 year warranty.

Fixture Option
PCCC



Remote Wireless Monitoring & Control (On/Off/Dim)
The ability to monitor and control the fixture from a remote location using a wireless network. The control must be purchased separately and attached to the fixture through the photocontrol receptacle.

Fixture Option
P3 (default), P5, P7

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.



Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Product specifications may change without notice. Please contact your sales representative for the latest product information.