



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



Autobahn Series ATB2

Roadway Lighting

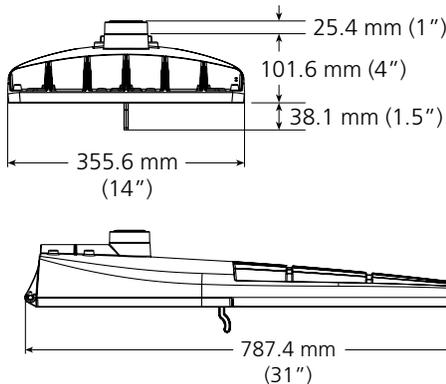
PRODUCT OVERVIEW



Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

DIMENSIONS



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

STANDARDS

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

Color temperatures of $\leq 3000\text{K}$ must be specified for International Dark-Sky Association certification.

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

GOVERNMENT PROCUREMENT — BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

Note: Specifications subject to change without notice.

Autobahn Series – AEL_0109_ATB2

Features:

OPTICAL

The Autobahn's new molded silicone optics provide exceptional performance. Silicone optics are superior to other polymeric materials in the areas of; optical efficiency, thermal performance, and reduction in dirt accumulation, all of which can lead to long term lumen degradation and a shift in optical distribution. Also, because silicone allows for the molding of fine details as well as thick sections, it produces the most crisp, clean and well-defined lighting distributions available. Silicone optics paired with modern LED's allow the Autobahn to take full advantage of both technologies.

Same Light: Performance is comparable to 400-1000W HPS roadway luminaires.

White Light: Correlated color temperature - 4000K, or optional 2700K, 3000K or 5000K, all 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, IIIL, 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 average of 40-60% over comparable HPS platforms.

Robust Surge Protection: Two different surge protection options provide a minimum of ANSI C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

Luminaire ships with a 0-10v dimmable driver. Luminaire is continuous and step dimming capable via AO option or controls installed on P7 photocontrol receptacle option.

MECHANICAL

Easy to Maintain: 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 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 7 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Four-bolt mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter and 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 7 Pin receptacle optionally available.

Premium solid state locking sale photocontrol - PCSS (10 year rated life). Extreme long life sold state locking style photocontrol - PCLL (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 can also allow a single fixture to be flexibly applied in many different applications.



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ORDERING INFORMATION

| Series | LED Performance Package | | Voltage | Optics |
|----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|--|
| ATB2 Autobahn LED Roadway | P601 26,192 lumens nominal | P901 30,398 lumens nominal | MVOLT Multi-volt, 120V - 277V | R2 Roadway Type II |
| | P602 29,188 lumens nominal | P902 36,273 lumens nominal | 347 347V | R3 Roadway Type III |
| | P603 33,062 lumens nominal | P903 41,215 lumens nominal | 480 480V | R3L Roadway Type III Long |
| | P604 36,305 lumens nominal | P904 45,247 lumens nominal | XVOLT 277V-480V ³ | R4 Roadway Type IV ² |
| | P605 39,786 lumens nominal | P905 50,476 lumens nominal | | R5 Roadway Type V |

Options

Color Temperature (CCT)

- (Blank)** 4000K CCT, 70 CRI Min.
- 27K** 2700K CCT, 70 CRI Min.
- 3K** 3000K CCT, 70 CRI Min.
- 5K** 5000K CCT, 70 CRI Min.

Paint

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

Surge Protection

- (Blank)** Standard 20kV/10kA SPD
- MP** MOV Pack 10kV/5kA

Terminal Block

- (Blank)** Terminal Block (Standard)
- T2** Wired to L1 & L2 Positions

Misc.

- BL** External Bubble Level
- HSS** House-Side Shield
- NL** Nema Label
- XL** Not CSA Certified
- HK** Hingekeepers
- BAA** Buy America(n) Act and/or Build America Buy America Qualified
- UMR-XX** 8" Horizontal Arm for Round Pole, Painted to match Fixture
- UMS-XX** 8" Horizontal Arm for Square Pole, Painted to match Fixture
- UMR-GALV** 8" Horizontal Arm for Round Pole, Galvanized
- UMS-GALV** 8" Horizontal Arm for Square Pole, Galvanized

Controls

- (Blank)** 3 Pin NEMA Photocontrol Receptacle (Standard)
- P7** 7 Pin Photocontrol Receptacle (Dimmable Driver Included)
- NR** No Photocontrol Receptacle
- AO** Field Adjustable Output
- PCSS** Solid State Lighting Photocontrol (120-277V)¹
- PCLL** Solid State Long Life Photocontrol
- SH** Shorting Cap

Packaging

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

Accessories:

- External House Side Shields
 - ATB2P60XR2R3LR5HSS** for use with P601 - P605, R2, R3L or R5 distribution
 - ATB2P60XR3HSS** for use with P601 - P605, R3 distribution
 - ATB2P60XR4HSS** for use with P601 - P605, R4 distribution
 - ATB2P90XR2R3LR5HSS** for use with P901 - P905, R2, R3L or R5 distribution
 - ATB2P90XR3HSS** for use with P901 - P905, R3 distribution
- Light Trespass Shield
 - ATB2ULTS** ATB2 Universal Light Trespass Shield
- ATB Decorative Arms
 - ATB2DECOS XX** ATB Decorative Arm for Square Pole Painted to match fixture
 - ATB2DECOR XX** ATB Decorative Arm for Round Pole Painted to match fixture

Notes

1. Not available in 347 or 480V.
2. Not available with P901 - P905 performance packages
3. XVOLT option only available with P601 and P602 performance packages



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Warranty Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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Autobahn Series ATB2

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PERFORMANCE PACKAGE

| ATB2 | Distribution | Input Watts | 2700K | | 3000K | | 4000/5000K | |
|------|--------------|-------------|--------|-----|--------|-----|------------|-----|
| | | | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| P601 | R2 | 175 | 22,828 | 131 | 24,280 | 139 | 27,200 | 156 |
| | R3 | | 22,689 | 130 | 25,200 | 144 | 27,080 | 155 |
| | R3L | | 21,844 | 125 | 22,513 | 129 | 23,761 | 136 |
| | R4 | | 23,376 | 135 | 23,760 | 136 | 24,770 | 143 |
| | R5 | | 23,291 | 135 | 23,810 | 138 | 24,680 | 143 |
| P602 | R2 | 196 | 24,983 | 126 | 26,610 | 135 | 30,060 | 152 |
| | R3 | | 24,831 | 126 | 27,770 | 142 | 30,020 | 153 |
| | R3L | | 24,270 | 124 | 24,770 | 126 | 26,400 | 135 |
| | R4 | | 25,697 | 135 | 26,280 | 137 | 27,230 | 143 |
| | R5 | | 25,489 | 135 | 26,270 | 138 | 27,010 | 144 |
| P603 | R2 | 233 | 28,442 | 121 | 30,430 | 131 | 34,020 | 145 |
| | R3 | | 28,269 | 121 | 32,760 | 141 | 33,990 | 145 |
| | R3L | | 27,087 | 116 | 28,050 | 120 | 29,464 | 126 |
| | R4 | | 29,359 | 124 | 29,800 | 126 | 31,110 | 132 |
| | R5 | | 29,019 | 125 | 29,850 | 127 | 30,750 | 132 |
| P604 | R2 | 263 | 31,060 | 118 | 33,130 | 126 | 37,050 | 140 |
| | R3 | | 30,871 | 118 | 35,670 | 136 | 36,950 | 141 |
| | R3L | | 29,369 | 112 | 30,541 | 116 | 31,946 | 121 |
| | R4 | | 32,001 | 125 | 32,450 | 126 | 33,910 | 132 |
| | R5 | | 31,690 | 126 | 32,790 | 127 | 33,580 | 133 |
| P605 | R2 | 295 | 33,992 | 115 | 36,960 | 125 | 39,750 | 135 |
| | R3 | | 33,785 | 115 | 38,670 | 131 | 39,910 | 136 |
| | R3L | | 31,867 | 108 | 33,149 | 112 | 34,663 | 118 |
| | R4 | | 34,728 | 120 | 35,430 | 122 | 36,800 | 127 |
| | R5 | | 34,681 | 121 | 35,130 | 122 | 36,750 | 128 |
| P901 | R2 | 199 | 27,147 | 137 | 28,470 | 143 | 30,430 | 154 |
| | R3 | | 26,982 | 135 | 29,040 | 146 | 31,350 | 157 |
| | R3L | | 26,100 | 131 | 26,603 | 134 | 28,390 | 143 |
| | R5 | | 27,698 | 141 | 29,020 | 146 | 29,350 | 149 |
| P902 | R2 | 245 | 32,512 | 133 | 35,070 | 144 | 38,090 | 156 |
| | R3 | | 32,314 | 132 | 35,600 | 145 | 38,970 | 159 |
| | R3L | | 31,000 | 127 | 31,344 | 128 | 33,720 | 138 |
| | R5 | | 33,171 | 137 | 33,740 | 138 | 35,150 | 145 |
| P903 | R2 | 282 | 37,007 | 131 | 39,380 | 140 | 42,990 | 152 |
| | R3 | | 36,782 | 130 | 39,540 | 140 | 43,580 | 154 |
| | R3L | | 35,238 | 125 | 35,154 | 125 | 38,330 | 136 |
| | R5 | | 37,758 | 134 | 37,860 | 134 | 40,010 | 142 |
| P904 | R2 | 319 | 40,420 | 127 | 43,410 | 137 | 47,220 | 148 |
| | R3 | | 40,175 | 126 | 43,600 | 137 | 48,170 | 151 |
| | R3L | | 38,327 | 120 | 38,078 | 119 | 41,690 | 131 |
| | R5 | | 41,240 | 132 | 41,420 | 132 | 43,700 | 140 |
| P905 | R2 | 369 | 44,573 | 121 | 48,390 | 132 | 52,380 | 142 |
| | R3 | | 44,303 | 120 | 48,560 | 132 | 53,940 | 146 |
| | R3L | | 42,886 | 116 | 42,455 | 115 | 46,649 | 126 |
| | R5 | | 45,477 | 128 | 45,390 | 127 | 48,190 | 136 |

Note: Individual fixture performance may vary. Specifications subject to change without notice.

| ATB2 LLD Multiplier | 15C | 20C | 25C | 30C | 35C | 40C |
|---------------------|------|------|------|------|------|------|
| | 1.02 | 1.01 | 1.00 | 0.99 | 0.98 | 0.97 |

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.



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P E R F O R M A N C E P A C K A G E

LLD @ 25°C

| ATB2 | R2, R3 Distributions 3000K & 4000K CCT | | | R2, R3 Distributions 2700K & 5000K CCT* | | | R3L, R4, & R5 Distributions Any CCT | | |
|------|---|-----------|------------|--|-----------|------------|--|-----------|------------|
| | 50k Hours | 75k Hours | 100k Hours | 50k Hours | 75k Hours | 100k Hours | 50k Hours | 75k Hours | 100k Hours |
| P601 | 0.96 | 0.94 | 0.93 | 0.92 | 0.88 | 0.85 | 0.92 | 0.88 | 0.85 |
| P602 | 0.96 | 0.94 | 0.93 | 0.92 | 0.88 | 0.85 | 0.92 | 0.88 | 0.85 |
| P603 | 0.96 | 0.94 | 0.93 | 0.91 | 0.87 | 0.84 | 0.91 | 0.87 | 0.84 |
| P604 | 0.96 | 0.94 | 0.93 | 0.91 | 0.87 | 0.83 | 0.91 | 0.87 | 0.83 |
| P605 | 0.96 | 0.94 | 0.93 | 0.90 | 0.86 | 0.82 | 0.90 | 0.86 | 0.82 |
| P901 | 0.96 | 0.94 | 0.93 | 0.91 | 0.88 | 0.84 | 0.91 | 0.88 | 0.84 |
| P902 | 0.96 | 0.94 | 0.93 | 0.91 | 0.87 | 0.83 | 0.91 | 0.87 | 0.83 |
| P903 | 0.96 | 0.94 | 0.93 | 0.90 | 0.86 | 0.82 | 0.90 | 0.86 | 0.82 |
| P904 | 0.96 | 0.94 | 0.93 | 0.90 | 0.86 | 0.82 | 0.90 | 0.86 | 0.82 |
| P905 | 0.96 | 0.94 | 0.93 | 0.89 | 0.84 | 0.79 | 0.89 | 0.84 | 0.79 |

* Also includes any custom (non-catalog) CCT

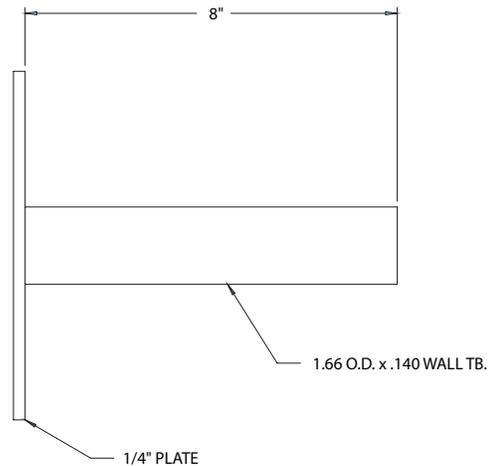
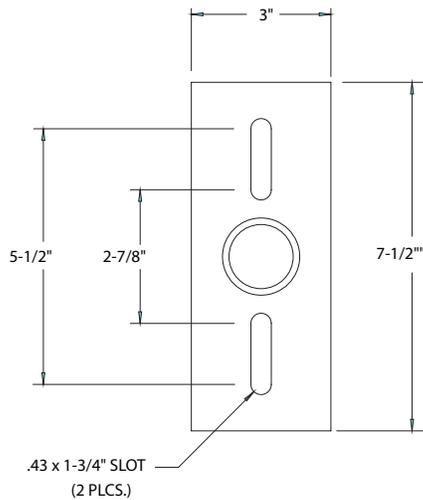
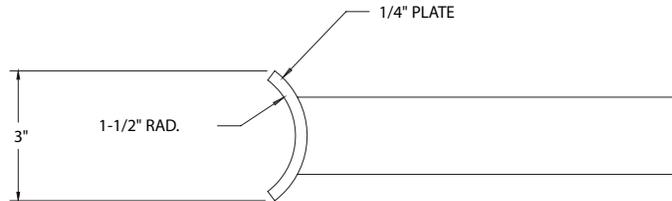
Autobahn Series ATB2

Roadway Lighting

| B.U.G. Ratings | | | | | | | | | | |
|----------------|--------------|-------|---|---|-------|---|---|------------|---|---|
| ATB2 | Distribution | 2700K | | | 3000K | | | 4000/5000K | | |
| | | B | U | G | B | U | G | B | U | G |
| P601 | R2 | 3 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 3 |
| | R3 | 3 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 4 |
| | R3L | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R4 | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R5 | 5 | 0 | 3 | 5 | 0 | 3 | 5 | 0 | 3 |
| P602 | R2 | 3 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 3 |
| | R3 | 3 | 0 | 3 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R3L | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R4 | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R5 | 5 | 0 | 3 | 5 | 0 | 3 | 5 | 0 | 3 |
| P603 | R2 | 3 | 0 | 3 | 3 | 0 | 3 | 4 | 0 | 4 |
| | R3 | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R3L | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R4 | 3 | 0 | 5 | 3 | 0 | 5 | 3 | 0 | 5 |
| | R5 | 5 | 0 | 4 | 5 | 0 | 4 | 5 | 0 | 4 |
| P604 | R2 | 3 | 0 | 3 | 4 | 0 | 4 | 4 | 0 | 4 |
| | R3 | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R3L | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 5 |
| | R4 | 3 | 0 | 5 | 3 | 0 | 5 | 3 | 0 | 5 |
| | R5 | 5 | 0 | 4 | 5 | 0 | 4 | 5 | 0 | 4 |
| P605 | R2 | 4 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 4 |
| | R3 | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R3L | 3 | 0 | 5 | 3 | 0 | 5 | 3 | 0 | 5 |
| | R4 | 3 | 0 | 5 | 3 | 0 | 5 | 4 | 0 | 5 |
| | R5 | 5 | 0 | 4 | 5 | 0 | 4 | 5 | 0 | 4 |
| P901 | R2 | 3 | 0 | 3 | 3 | 0 | 3 | 3 | 0 | 3 |
| | R3 | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R3L | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R5 | 5 | 0 | 3 | 5 | 0 | 4 | 5 | 0 | 4 |
| P902 | R2 | 4 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 4 |
| | R3 | 3 | 0 | 4 | 3 | 0 | 4 | 3 | 0 | 4 |
| | R3L | 3 | 0 | 5 | 3 | 0 | 5 | 3 | 0 | 5 |
| | R5 | 5 | 0 | 4 | 5 | 0 | 4 | 5 | 0 | 4 |
| P903 | R2 | 4 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 4 |
| | R3 | 3 | 0 | 4 | 3 | 0 | 4 | 4 | 0 | 5 |
| | R3L | 4 | 0 | 5 | 4 | 0 | 5 | 4 | 0 | 5 |
| | R5 | 5 | 0 | 4 | 5 | 0 | 4 | 5 | 0 | 4 |
| P904 | R2 | 4 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 4 |
| | R3 | 3 | 0 | 4 | 4 | 0 | 5 | 4 | 0 | 5 |
| | R3L | 4 | 0 | 5 | 4 | 0 | 5 | 4 | 0 | 5 |
| | R5 | 5 | 0 | 4 | 5 | 0 | 4 | 5 | 0 | 4 |
| P905 | R2 | 4 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 5 |
| | R3 | 4 | 0 | 5 | 4 | 0 | 5 | 4 | 0 | 5 |
| | R3L | 4 | 0 | 5 | 4 | 0 | 5 | 4 | 0 | 5 |
| | R5 | 5 | 0 | 5 | 5 | 0 | 5 | 5 | 0 | 5 |

UMR POLE ADAPTOR

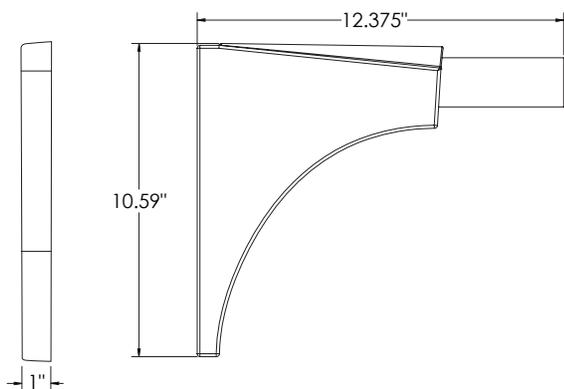
RECOMMENDED FOR USE WITH POLES OF 4" DIAMETER OR SMALLER



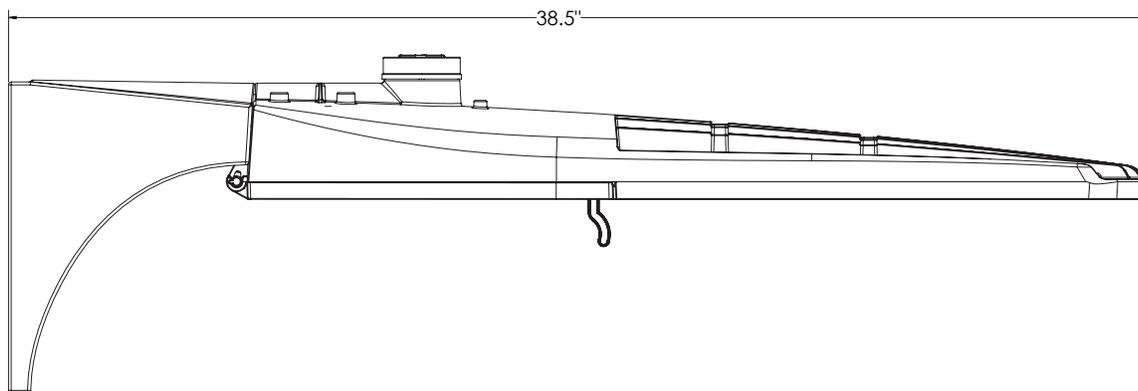
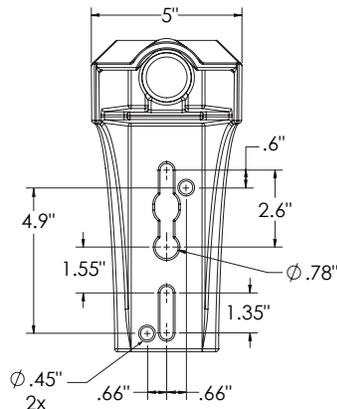
UMS POLE ADAPTOR



Autobahn Series ATB2 Roadway Lighting



Round Pole
Adapter Plate
(Supplied with
ATB2DECOR)



| Model | Weight | EPA |
|-------------------------------|----------|----------------------|
| ATB2DECOS | 6.5 lbs | 0.30 ft ² |
| ATB2DECOR | 8.0 lbs | 0.30 ft ² |
| ATB2DECOS with ATB2 Luminaire | 27.5 lbs | 0.84 ft ² |
| ATB2DECOR with ATB2 Luminaire | 29.0 lbs | 0.84 ft ² |



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