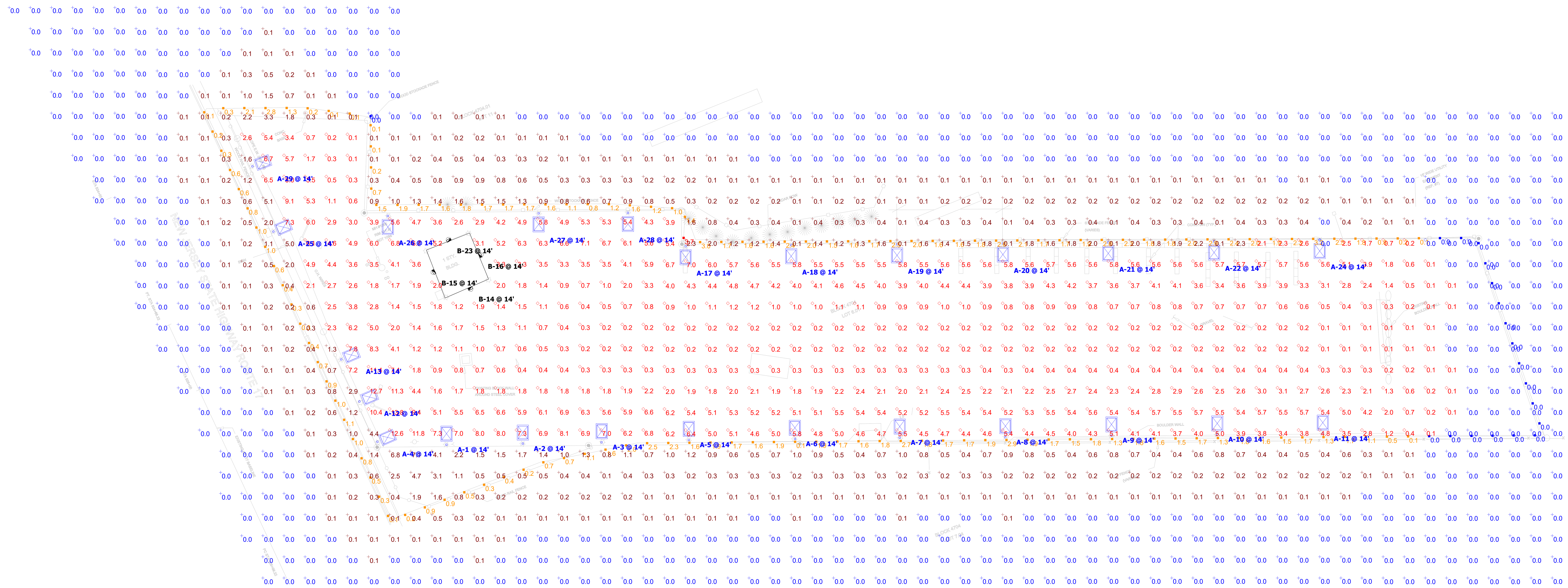

Plan View
Scale - 1" = 30ft

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS

HLWPC2
Wallpack® Full Cutoff LED

Catalog Number
Notes
Type

Mechanical
- Heavy grade A360 cast aluminum (aluminum with <1% copper)
- Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering
- Mounts to a standard junction box
- Swivel kit for pendant mount applications mounts to 4" square electrical box
- Wet location listed
- IP65 rated housing, down light only
- ¾" painted threaded entry(¾" - 14 NPT) on each side and on top, accepts ¾" and½" conduit
- ¾" threaded plugs are painted on each side
- Vibe rating for surface mount: 3G
- Vibe rating for pendant mount: 3G at 1.5', excludes swivel kit
- Bird shroud for pendant mount

Electrical
- Certified by UL or CSA
- Rated for -40°C (-40°F) minimum ambient
- A programmable electronic driver with 0-10V control leads
- Available in: 120-277V 50/60 Hz and 347-480V 50/60 Hz,
- Standard LEDs shall have a minimum of 70 CRI available in 3000K, 4000K and 5000K CCT
- Optional LEDs shall have a minimum of 80 CRI available in 3000K, 4000K and 5000K CCT
- Amber LED option shall limited wavelength amber and no phosphor corrected amber (8 week lead-time)
- Internally mounted emergency battery backup for operation in an ambient temperature ranging from -20C (-4F) to 30C (86F), available with P10 thru P40 performance packages, non CEC compliant
- The electrical system for a single circuit shall be designed to meets ANSI/IEEE C62.41.2 and includes a 20kV/10kA (standard) with an optional 10kV/5kA surge protection

Optical
The light engine housing is IP66 rated. The optical system consist of the following materials and I.E.S. distributions:
- Typ V: E (entry), M (medium), R (rectangle) & W (wide)
- Asymmetric

Optical Material Options
- Borosilicate glass lens (GL)
- Polycarbonate lens (PY)
- Zero uplight (FC)

Controls
- Field adjustable output (AO)
- Button style photocontrol (PE)
- Motion sensor & ambient photocontrol combination for mounting low (8-15') (MASL) and high (15-30') (MASH) mounting heights
- XPoint™ Wireless control
- XPoint™ Wireless UL924, CEC compliant

Certification and Standards
- Luminaire shall be UL or CSA listed per CSA luminaire standard CSA
- Suitable for operation in an ambient temperature up to 40°C/104°F per UL or CSA certification
- Design lights 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.
- LM-79 compliant
- The projected LED Lumen Maintenance shall be based only on IES LM-80-08 and TM-21

Warranty
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx.

Note: 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.

AcuityBrands | Holophane | 3825 Columbus Rd., Granville, OH 43023 | Phone: 866-HOLOPHANE | www.holophane.com
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HLWPC2
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DLC LISTED PREMIUM | NIGHTTIME FRIENDLY | Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction | BAA

Autobahn Series ATBMicro
Roadway Lighting

PRODUCT OVERVIEW

Applications:
- Roadways
- Off ramps
- Residential streets
- Parking lots

DIMENSIONS

Effective Projected Area (EPA): The EPA for the ATBMicro is 0.36 sq. ft.
Approx. Wt. = 8 lbs.

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 ≤ 3000K 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

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

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 70-150W 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, 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: 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

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 7 (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. Provides a 3G vibration rating per ANSI C136.31

CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 7 pin receptacle 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).

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.

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

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AEL American Electric Lighting

GENERAL NOTE:

*OPERATIONAL HOURS FOR LIGHTING WILL BE FROM 8AM TO 9PM EXCEPT FROM THANKSGIVING TO CHRISTMAS WHERE HOURS ARE EXPANDED TO 8AM TO 11PM.

*DURING CLOSING HOURS, SECUIRTY LIGHTING WILL BE OPERATIONAL AND USED WHEN NEEDED.

Safety Disclaimer Exterior
Please note this analysis does not comply with IESNA RP-8-18 levels for parking and pedestrian safety. Acuity Brands will not be liable for any safety issues that may arise from the installation of this design. An alternate design can be provided if requested through your Acuity agent.

General Notes - Exterior
1. Readings shown are based on a total LLF of as shown at grade. Data references the extrapolated performance projections in a 25c ambient based on 10,000 hrs of LED testing (per IESNA LM-80-08 and projected per IESNA TM-21-11).
2. Please refer to the fixture labels for product type and mounting height.
3. Product information can be obtained at https://www.acuitybrands.com/ or through your local agency.

DISCLAIMER
This application design is not a professional engineering drawing, and the design, including reported data and calculated results, is provided for informational purposes only, without any warranty as to accuracy, completeness, safety or otherwise. The design is the result of calculations made using Visual® lighting application software, photometric/radiometric data measured in a laboratory, and certain computational and modeling assumptions.
Far-field photometric/radiometric data may have been used to perform one or more calculations. Photometric/radiometric data is typically collected under far-field measurement conditions; far-field data is not generally representative of near-field geometric conditions. When using far-field photometric/ radiometric data, the Visual software applies certain generalizing assumptions to approximate near-field performance. These approximations may result in significant inaccuracies in individual calculated luminous and/or radiant power quantities in areas where a source is in close proximity to a particular surface or point.
The modeling of radiant flux exchange used in the Visual software requires a uniform exitance across each reflecting surface. The Visual software approximates the uniform surface exitance condition by adaptively subdividing surfaces with non--uniform exitances into subsurfaces with sufficiently uniform exitance gradients. Practical restrictions, due to computer hardware limitations, may prevent the subdivision procedure from subdividing surfaces with high exitance gradients into subsurfaces with sufficiently uniform exitance gradients, introducing potential discretization error into calculated values.
Calculations performed by the Visual software assume that all reflected flux is reflected in a perfectly diffuse (Lambertian) and spectrally uniform manner across the spectral range being analyzed. If actual reflectance characteristics differ from these assumptions, observed luminous and/or radiant power quantities may differ from predicted quantities.
As a result of the computational limitations and simplifying modeling assumptions described above, and/or variations in actual product performance from tested product samples, the accuracy of calculated output values identifying expected radiometric quantities and any resulting derived radiation dose calculations may be adversely affected.
In addition, the accuracy of the application design may be adversely affected if information about the physical space provided to Acuity Brands Lighting is incomplete, inaccurate, outdated or not in the required format (including but not limited to floor plans, space layout, reflected ceiling plans, physical structures, electrical design or specifications), if incorrect assumptions are made because of such deficiencies in the information provided, or if typical assumptions made about the depicted physical space are not appropriate for the space. Furthermore, actual field performance may differ from performance calculated using laboratory measurements as the result of miscalculations related to deficiencies in the information provided about the physical space, degradation factors in the end- user environment (including, but not limited to, voltage variation and dirt accumulation), or other possible variations in field conditions. Finally, lamp lumen depreciation and/or depreciation in lamp radiant intensity may result in performance over time that differs from performance calculated using a new lamp. Light loss factors may have been used in the application design to estimate such depreciation, but flaws in these estimates may also result in performance over time that differs from calculated performance.
It is the obligation of the end-user to consult with appropriately qualified Professional Engineer(s) to determine whether this application design meets the applicable requirements for performance, code compliance, safety, suitability and effectiveness for use in a particular application. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this application design.

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Property Line	■	1.2 fc	3.7 fc	0.0 fc	N/A	N/A
Site Summary	◇	2.8 fc	13.8 fc	0.0 fc	N/A	N/A
Spill Light Summary	+	1.1 fc	13.8 fc	0.0 fc	N/A	N/A

Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Total Lamp Lumens	Wattage	Distribution
	A	25	American Electric Lighting	ATBMIC P155 R3 4K HSS	Autobahn Micro P155 Package Roadway Type III 4000K/5000K House side shield	1	7142	0.96	7142	61	TYPE III, SHORT, BUG RATING: B1 - U0 - G2
	B	4	Holophane	HLWPC2 P10 40K XX TFTM	Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Forward Throw Medium	1	3209	0.9	3209	28	TYPE IV, SHORT, BUG RATING: B1 - U0 - G1

ACUITY DESIGN SERVICES
LIGHTINGDESIGN@ACUITYBRANDS.COM

D&G Landscaping

Designer
R CUNNINGHAM
Date
2/26/2024
Scale
As Shown
Drawing No.
256584-4 A1
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