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Cooper Lighting is your one source for innovative, architectural lighting solutions. Ametrix™ is Cooper Lighting’s architectural asymmetric brand. Its patent pending, segmented optics utilize 95% specular aluminum which provides excellent peak candle power, uniform distribution, and wide lateral spacings. Only Ametrix offers the unique PointGrab™ aiming system to put light precisely where it’s needed, and keep it there. Quality materials, construction, and innovative product features complete the package. As with all Cooper Lighting products, Ametrix is backed by Cooper’s world-wide network of sales and service professionals.

The new Arrowlinear series from Ametrix provides performance, versatility and energy efficiency in a sleek, extra small product profile. Linear fluorescent lamp sources, combined with a sophisticated asymmetric optical design, provide efficient, uniform illumination to the target surface with no stray light or wasted energy. Dimming options offer additional energy savings. Fixtures can be mounted individually or in continuous fixture rows, indoors or outdoors, in any horizontal mounting orientation. Mounting options include base, wall or ceiling mounting – including 1-way, 2-way and 4-way pendants. An extensive range of standard, value-added installation and service features insure that your project will look great and function properly for years to come.
Models

Single fixtures or continuous rows – combined with standard output, high-output (H0) or very high output (VHO) linear fluorescent lamp sources – provide performance, versatility and energy efficiency in a sleek, low-profile package.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SOURCE / WATTS (lumens)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A02</td>
<td>T5</td>
</tr>
<tr>
<td></td>
<td>14W</td>
</tr>
<tr>
<td></td>
<td>(1350)</td>
</tr>
<tr>
<td>A03</td>
<td>T5</td>
</tr>
<tr>
<td></td>
<td>21W</td>
</tr>
<tr>
<td></td>
<td>(2100)</td>
</tr>
<tr>
<td>A04</td>
<td>T5</td>
</tr>
<tr>
<td></td>
<td>28W</td>
</tr>
<tr>
<td></td>
<td>(2900)</td>
</tr>
<tr>
<td>A06</td>
<td>T5</td>
</tr>
<tr>
<td></td>
<td>21W x 2</td>
</tr>
<tr>
<td></td>
<td>(4200)</td>
</tr>
<tr>
<td>A08</td>
<td>T5</td>
</tr>
<tr>
<td></td>
<td>28W x 2</td>
</tr>
<tr>
<td></td>
<td>(5800)</td>
</tr>
<tr>
<td>A12</td>
<td>T5</td>
</tr>
<tr>
<td></td>
<td>28W x 3</td>
</tr>
<tr>
<td></td>
<td>(8700)</td>
</tr>
<tr>
<td>AC</td>
<td>T5</td>
</tr>
</tbody>
</table>

VHO lamp sources available in nominal 4’, 8’ and 12’ combinations only.

Mounting Options

A wide variety of Arrowlinear™ mounting options allows you to put light precisely where it’s needed. Single fixtures or continuous rows can be mounted in any horizontal orientation for ceiling, base or wall mounting. See page 7 for pendant mounting options.

CEILING

AK6
Adjustable Knuckle, 6”

AK12
Adjustable Knuckle, 12”

WALL

AK6
Adjustable Knuckle, 6”

AK18
Adjustable Knuckle, 18”

BASE

AK6
Adjustable Knuckle, 6”

AK24
Adjustable Knuckle, 24”

Mounting Options

A wide variety of Arrowlinear™ mounting options allows you to put light precisely where it’s needed. Single fixtures or continuous rows can be mounted in any horizontal orientation for ceiling, base or wall mounting. See page 7 for pendant mounting options.

CEILING

AK6
Adjustable Knuckle, 6”

AK12
Adjustable Knuckle, 12”

WALL

AK6
Adjustable Knuckle, 6”

AK18
Adjustable Knuckle, 18”

BASE

AK6
Adjustable Knuckle, 6”

AK24
Adjustable Knuckle, 24”

Mounting Options

A wide variety of Arrowlinear™ mounting options allows you to put light precisely where it’s needed. Single fixtures or continuous rows can be mounted in any horizontal orientation for ceiling, base or wall mounting. See page 7 for pendant mounting options.

CEILING

AK6
Adjustable Knuckle, 6”

AK12
Adjustable Knuckle, 12”

WALL

AK6
Adjustable Knuckle, 6”

AK18
Adjustable Knuckle, 18”

BASE

AK6
Adjustable Knuckle, 6”

AK24
Adjustable Knuckle, 24”
Mounting Options

Mixing and matching various fixture lengths in 1-way, 2-way or 4-way configurations provides a multitude of pendant mounted lighting solutions. Use for direct, indirect or combination direct/indirect lighting applications.

1-WAY PENDANT

P1I24, P1I30, P1I36, P1I42, P1I48
Pendant, 1-way, Integral ballast – 24”, 30”, 36”, 42”, 48” stem(s)

2-WAY PENDANT

P2I24, P2I30, P2I36, P2I42, P2I48
Pendant, 2-way, Integral ballast – 24”, 30”, 36”, 42”, 48” stems

4-WAY PENDANT

Pendant, 4-way, Integral ballast – 24”, 30”, 36”, 42”, 48” stems

NOTE: 2’, 3’ and 4’ units provided with single pendant stem. 6’, 8’ and 12’ units provided with dual pendant stems.

NOTE: All 2-way pendants, regardless of length, are provided with dual pendant stems.

NOTE: Contact factory for rectangular configurations.
INTEGRAL BALLAST
Eliminates remote ballast location issues and the need for unsightly auxiliary ballast enclosures. Integral ballast includes quick-disconnect to meet NEC and CEC code requirements by providing a safe, reliable means of disconnecting power to the fixture during service and maintenance.

OPTI-LOCK™ REFLECTOR
Precision asymmetric reflector is constructed from Alcanod 2000GS anodized aluminum. Tool-less removal provides easy access to the ballast and wire connections.

ACRYLIC LENS (optional)
Impact-resistant, virgin acrylic lens will not discolor over time due to heat or UV exposure. Acrylic lens option includes continuous closed cell silicone gasket. Fixtures equipped with acrylic lens and outdoor option are U.L. wet label listed. For indoor applications the lens, if specified, seals out dust, insects and other contaminants that can diminish optical performance.

DECORATIVE END CAPS
Concealed fasteners secure standard, decorative end caps. They provide a finished look and watertight end seal for single fixtures and continuous fixture rows.

PointGrab2™ AIMING SYSTEM
All fixtures include the PointGrab2™ aiming system, which provides 180º vertical adjustment in 5º increments. A stainless steel locking mechanism securely locks fixture aiming in place.

SLIDE-N-MOUNT™ ARMS
Each adjustable knuckle assembly mounts to an integral, continuous track along the back of the fixture. If wall studs or J-Box are out of position, the Slide-N-Mount arms can be positioned and locked to the precise location needed to insure proper alignment and secure mounting.

WIRE INSPECTION COVERS
Power canopy includes removable access covers. This allows wire connections to be made or inspected with fixture secured to the mounting surface.

ENERGY EFFICIENCY
Fluorescent lamp sources provide energy efficient illumination. Precision asymmetric optics provide efficient, uniform illumination to the target surface with no stray light or wasted energy. Dimming options offer additional energy savings.

EXTRA SMALL PROFILE
Sleek, extra small profile measures just 3-3/8” x 6-1/2” allowing Arrowlinear to adapt to almost any space.

RUGGED & SUSTAINABLE MATERIALS
Constructed from renewable materials such as extruded and die-cast aluminum components with stainless steel hardware. An eco-friendly pre-treatment regimen and powder coat paint process provides lasting beauty and protection without releasing hazardous chemicals into the atmosphere.

UL / CUL WET LABEL LISTED
When specified and ordered for outdoor use with acrylic lens option, fixtures are U.L. wet label listed. Fixtures specified and ordered for indoor use without acrylic lens are U.L. dry location listed.
Design Details

WHITE BOARDS

ENTRANCES

SLIDE-N-MOUNT™ ARMS
Each adjustable knuckle assembly mounts to an integral, continuous track along the back of the fixture. If wall studs or J-Box are out of position, the Slide-N-Mount arms can be positioned and locked to the precise location needed to insure proper alignment and secure mounting.

CONTINUOUS ROWS
Arrowlinear’s modular, universal design provides for easy-to-configure continuous fixture rows. Continuous rows bolt together from the outside of the fixture and include thru-wire quick-connects for ease of installation. Gasketed, waterproof joint connectors, in conjunction with the optional acrylic lens, provide a watertight seal that will withstand the rigors of the outdoor environment. Must be specified and ordered as continuous rows (see page 18).

PointGrab™ AIMING
All fixtures include the PointGrab™ aiming system, which provides 180° vertical adjustment in 5° increments. A stainless steel locking mechanism securely locks fixture aiming in place.

1. Insert end of adjustable mounting arm into track. 2. Rotate arm 90°. 3. Slide arm to desired location, tighten stainless steel locking mechanism until arm is secure.

1. Loosen stainless steel locking mechanism. 2. Rotate fixture to desired position (indicator marks represent +/- 5°). 3. Tighten locking mechanism until fixture is secure.

1. Insert end of adjustable mounting arm into track. 2. Rotate arm 90°.

1. Loosen stainless steel locking mechanism. 2. Rotate fixture to desired position (indicator marks represent +/- 5°). 3. Tighten locking mechanism until fixture is secure.

1. Loosen stainless steel locking mechanism. 2. Rotate fixture to desired position (indicator marks represent +/- 5°). 3. Tighten locking mechanism until fixture is secure.
ASymmetric Optics

Arrowlinc’s asymmetric reflector is constructed from Alumod 2000GS anodized aluminum. The unique material, form and finish combination provides high fixture efficiencies with low brightness, precision control, excellent peak candlepower and uniform distribution.

VHO (Very High Output) Lamp Sources

New T8VHO and T5VHO lamp technology provides 1-lamp cross sections with significantly higher lumen packages. Single lamp cross sections not only allow for a smaller fixture profile, but also provide reduced maintenance costs and ensure that the asymmetric distribution remains intact. VHO sources provide lower minimum starting temperatures (~ 20°F / ~ 29° C) and improved lumen maintenance compared to standard T8, T5 or T5HO sources.

35° Internal Louver

An optional internal louver is available for additional glare control. The louver snaps to the housing extrusion, providing a firm grip in any mounting orientation, including the downlight position. The internal louver can be used with or without the acrylic lens, and is available in black (IL3B) or painted to match the fixture (IL3M).
### Photometric Data

All values are initial footcandles. IES files are available at [www.ametrixlighting.com](http://www.ametrixlighting.com).

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>TEST NUMBER</th>
<th>SOURCE</th>
<th>LAMP</th>
<th>LUMENS</th>
<th>EFFICIENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A02-SI-N-1-LF-024-120-W-AK6</td>
<td>175P275_PR</td>
<td>One (1) 24W T5HO</td>
<td>F24T5HO</td>
<td>2000</td>
<td>72.8%</td>
</tr>
<tr>
<td>A03-SI-N-1-LF-039-120-W-AK6</td>
<td>175P276_PR</td>
<td>One (1) 39W T5HO</td>
<td>F39T5HO</td>
<td>3500</td>
<td>74.6%</td>
</tr>
<tr>
<td>A04-SI-N-1-LF-054-120-W-AK6</td>
<td>175P272_PR</td>
<td>One (1) 54W T5HO</td>
<td>F54T5HO</td>
<td>5000</td>
<td>73.5%</td>
</tr>
<tr>
<td>A04-SI-N-1-LF-095-120-W-AK6</td>
<td>175P290</td>
<td>One (1) 95W T5VHO</td>
<td>F95T5VHO</td>
<td>7200</td>
<td>73.2%</td>
</tr>
</tbody>
</table>
Product Specifications

Arrowlinear™ Single Fixtures & Pendants

Construction
Housing is corrosion-resistant Type 6063-T6 aluminum extrusion with die-cast aluminum end caps. Ends are caps are secured by concealed stainless steel fasteners. Housing, end caps and lens are sealed with single, closed cell silicone gaskets. Stainless steel fasteners are standard.

Optical System
Fixture includes the Opti-Lock™ asymmetric optical system, constructed of Alumod 2000GS anodized aluminum. Reflector provides for tool-less removal for easy access to ballast and wire connections.

Aiming System
Fixture includes the PointGrab™ lockable aiming system, providing 180° vertical adjustment of the fixture housing in 5° increments. Aiming is locked securely in place by means of a stainless steel locking mechanism.

Lens
Fixture is available with optional clear acrylic lens, constructed of impact-resistant, U.V. stabilized virgin acrylic to prevent discoloration. The lens, in conjunction with a single closed cell silicone gasket, provides a watertight seal. Lens is required for outdoor wet locations.

Electrical
Use 90°F supply wire (provided by others). Linear Fluorescent – Medium Bi-Pin or Mini Bi-Pin lamp socket. Ballast is integral to the fixture and includes quick-disconnect to meet NEC and CEC code requirements. Lamps available at additional cost.

Mounting
Fixture includes Slide-N-Mount™ adjustable, lockable mounting arms, constructed from Type 383 die-cast aluminum. Support structure by others.

Finish
Fixture and mounting arms are finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors.

Options & Accessories
B Battery Pack
D Dimming
E Emergency
F Fusing
IL35 35° Internal Louver (dark)
IL35M 35° Internal Louver (match fixture color)
NAT Natatorium Environment (not available for 12’ units)

Sample Number:
A04 – SO – A – 1 – LF - 054 – 120 – W - AK6 – IL35

Model
A02 2’ Arrowlinear
A03 3’ Arrowlinear
A04 4’ Arrowlinear
A05 6’ Arrowlinear
A08 8’ Arrowlinear
A12 12’ Arrowlinear (indoor only)

Size

<table>
<thead>
<tr>
<th>Size</th>
<th>Indoor/Outdoor</th>
<th>Sample Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Small, Indoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Extra Small, Outdoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Small, Indoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Small, Outdoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Medium, Indoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Medium, Outdoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Large, Indoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Large, Outdoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
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<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
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<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Extra Extra Large, Indoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
<tr>
<td>Extra Extra Large, Outdoor</td>
<td>P1I24, P1I30, P1I36, P1I42, P1I48</td>
<td>A02, A04, A06, A08, A12</td>
</tr>
</tbody>
</table>

Standard Finishes

K Black
B Bronze
S Silver
W White
Ametrix offers a complete family of asymmetric point source luminaires, available in three distinct styles. Lamp sources include metal halide (20W – 1000W), halogen (100W – 1000W) and compact fluorescent (26W – 57W). Products are available for use indoors or outdoors, with integral or remote ballast, and with or without integrated cutoff visor. Our unique PointGrab™ aiming system is standard on all models.

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### Arrowlinear™ Continuous Rows

**Sample Number:**
- AC = SI = A = LF = T5 = 1 = C = 120 = W = AK12 = 44 – IL35

**Construction**
- Housing is corrosion-resistant Type 6063-T6 aluminum extrusion with die-cast aluminum end caps. End caps are secured by concealed stainless steel fasteners. Housing, end caps and lens are sealed with single, closed cell silicone gaskets. Stainless steel fasteners are standard.

**Optical System**
- Fixture includes the Opti-Lock™ asymmetric optical system, constructed of Alumod 2000GS anodized aluminum. Reflector provides for tool-less removal for easy access to ballast and wire connections.

**Aiming System**
- Fixture includes the PointGrab2™ lockable aiming system, providing 180° vertical adjustment of the fixture housing in 5° increments. Aiming is locked securely in place by means of a stainless steel locking mechanism.

**Lens**
- Fixture is available with optional clear acrylic lens, constructed of impact-resistant, U.V. stabilized virgin acrylic to prevent discoloration. The lens, in conjunction with a single closed cell silicone gasket, provides a watertight seal. Lens is required for outdoor wet locations.

**Electrical**
- Use 90° C. supply wire (provided by others).
- Linear Fluorescent – Medium Bi-Pin or Mini Bi-Pin lamp socket. Ballast is integral to the fixture and includes quick-disconnect to meet NEC and CEC code requirements. Lamps available at additional cost.

**Mounting**
- Fixture includes Slide-N-Mount™ adjustable, lockable mounting arms, constructed from Type 383 die-cast aluminum. Support structure by others.

**Finish**
- Fixture and mounting arms are finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors.

**Labels**
- When equipped with acrylic lens fixture is UL / CUL listed for use in outdoor wet locations. When equipped with no lens fixture is UL / CUL listed for indoor locations.

---

### Model Specifications

**MODEL**
- **AC** Arrowlinear Continuous Row

**SIZE - INDOOR/OUTDOOR**
- **SI** Extra Small, Indoor
- **SO** Extra Small, Outdoor

**LENS**
- **A** Acrylic (required for Outdoor)
- **N** None

**NUMBER OF LAMPS**
- **1** 1 lamp (single lamp cross section)

**LAMP TYPE**
- **LF** Linear Fluorescent

**LAMP SOURCE**
- **N5** T5 Normal Output
- **T5** T5 HD
- **V5** T5 VHO (available in 4’, 8’ & 12’ sections only)
- **T5** T5 Normal Output
- **T8** T8 Normal Output
- **V8** T8 VHO (available in 4’, 8’ & 12’ sections only)

**NUMBER OF CIRCUITS**
- **1** 1 Circuit

**WIRING**
- **C** Standard Circuit
- **B** Battery
- **D** Dimming
- **E** Emergency

**VOLTAGE**
- **120** 120V (not available for VHO sources)
- **277** 277V
- **247** 277V
- **480** 480V (available for VHO sources only)
- **UNV** Universal 120/277V (not available for VHO sources)

**FINISH**
- **B** Bronze
- **K** Black
- **S** Silver
- **W** White

**ROW LENGTH** (specify in feet)
- **OPTIONS & ACCESSORIES**

**OPTIONS & ACCESSORIES**
- **F** Fusing
- **IL35** 35° Internal Louver (acrylic)
- **IL35M** 35° Internal Louver (match fixture color)
- **NAT** Natatorium Environment (not available for 12’ units)

**MOUNTING**
- **Select from ‘Adjustable Knuckle’ Mounting options on page 17**

**Note:** Not all options are available for all models. See product specification sheets at www.ametrixlighting.com for complete details, including mounting options and continuous row configurations.