

# The Sagittarius

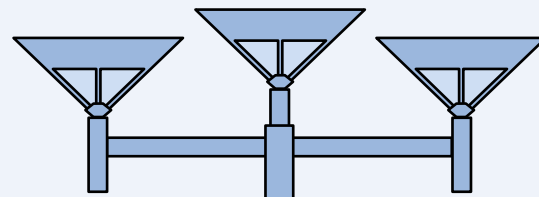
Available in LED

Bieber Illumination Group



*Left: Sagittarius shown on a Quadra pole sixteen feet tall.*

*Below: Three luminaires on arm AT01, mounting arrangement C.*



## **UL & CSA LISTED FOR WET LOCATIONS. FACTORY TESTED BEFORE SHIPMENT.**

**HOUSING** – A combination of heavy-duty spun aluminum and cast aluminum parts.

**OPTICS** – Available in Types II, III, and V.

**LENS** – Tempered glass.

**ELECTRICAL COMPONENTS** – All ballasts are CWA/HPF regulating auto-transformers, available in MH and HPS. Starting temperature for MH is -20°F, and HPS starts at -40°F. Sources 50W or less are available only at 120V or 277V. Maximum wattage is 250W.

**MOUNTING** – The Sagittarius may be mounted to virtually any pole in a wide range of configurations. Please see the Mounting Arrangement table.

**SOCKET** – Glazed porcelain, mogul or medium base, rated to 600V, with nickel-plated contacts.

### LED information:

EncapLED, an IP66-rated and DLC listed LED module, combines optics and heat sink into one configurable unit which give precise light distribution. It allows us to do 10w., 30w. & 40w. increment adjustment on light output. The module has 115lm/W efficacy with LUXEON LUMILEDS TX CHIPS. Beside maximizing heat dissipation surface, we also utilize convection-based heat management which creates additional air flow around each chip. Unlike a big metal heat sink, where the temperature for the chips in the middle is higher than the rest, the heat of each EncapLED chip gets dissipated evenly. A better heat dissipation design keeps the junction temperature low and ultimately prolongs the life of the LED chips. Our modules are available in any of our fixtures designs, as well as in a simple retro-fit kit form for existing fixtures.

**ARM** – All aluminum construction. See pages 30-31.

**THE QUADRA POLE** – Especially designed for this fixture, the Quadra pole is for a single post-top luminaire only. The Quadra includes four 1-1/2" OD schedule 40 extruded aluminum uprights, the 8" by 8" by 4" pole adapter box, and the 13" diameter by 6" high round one-piece aluminum base cover. The unit illustrated above left is 16' tall overall. To specify the Quadra pole, please see page 33.

**POLES & BASES** – Bieber can supply poles other than the Quadra, including square or round poles in straight or tapered styles. See pages 32-33.

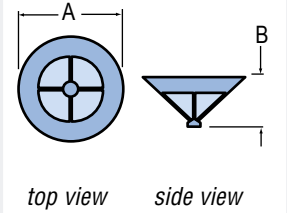
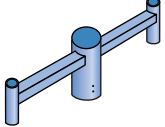
**PHOTOMETRICS** – See page 34, Fig. 11.

**FINISH** – The finish is thermoset polyester oven-baked powder coat, in any standard Bieber Lighting color. Custom colors are available to your specifications; consult factory.

# The Sagittarius

	1	2	3	4	5	6	7	8	9
<b>FIXTURE</b>	<b>SIZE</b>	<b>SOURCE</b>	<b>VOLTS</b>	<b>LAMP</b>	<b>OPTICS</b>	<b>MOUNT</b>	<b>ARM</b>	<b>COLOR</b>	<b>OPTIONS</b>
<b>SGT</b>	<b>10</b>	<b>J2</b>	<b>2</b>	<b>L</b>	<b>5</b>	<b>K</b>	<b>K</b>	<b>BL</b>	<b>SF, MT</b>

Create a catalog number from the tables below. Example number: SGT – 10 – J2 – 2 – L – 5 – K – K – BL – SF, MT

<h3>1 SIZE</h3> <table border="1"> <tr> <td colspan="2">Size = 10</td> </tr> <tr> <td>A</td> <td>28.5"</td> </tr> <tr> <td>B</td> <td>14.5"</td> </tr> <tr> <td>Maximum Wattage</td> <td>250W MH</td> </tr> </table>  <p>top view    side view</p>	Size = 10		A	28.5"	B	14.5"	Maximum Wattage	250W MH	<h3>2 SOURCE</h3> <table border="1"> <thead> <tr> <th></th> <th>HPS</th> <th>MH</th> </tr> </thead> <tbody> <tr> <td>35W</td> <td><b>B1*</b></td> <td><b>B2*</b></td> </tr> <tr> <td>50W</td> <td><b>C1*</b></td> <td><b>C2*</b></td> </tr> <tr> <td>70W</td> <td><b>E1</b></td> <td><b>E2</b></td> </tr> <tr> <td>100W</td> <td><b>H1</b></td> <td><b>H2</b></td> </tr> <tr> <td>150W</td> <td><b>J1</b></td> <td><b>J2</b></td> </tr> <tr> <td>175W</td> <td>•</td> <td><b>K2</b></td> </tr> <tr> <td>250W</td> <td><b>N1</b></td> <td><b>N2</b></td> </tr> </tbody> </table> <p><i>*see note in Voltage table</i></p> <p>Pulse start also available; consult factory.</p>		HPS	MH	35W	<b>B1*</b>	<b>B2*</b>	50W	<b>C1*</b>	<b>C2*</b>	70W	<b>E1</b>	<b>E2</b>	100W	<b>H1</b>	<b>H2</b>	150W	<b>J1</b>	<b>J2</b>	175W	•	<b>K2</b>	250W	<b>N1</b>	<b>N2</b>	<h3>3 VOLTAGE</h3> <table border="1"> <tr> <td>120V = 2</td> <td>240V = 4</td> </tr> <tr> <td>208V = 0</td> <td>277V = 7</td> </tr> </table> <p><i>Also available in Multi-Tap: see Options table</i></p> <table border="1"> <tr> <td>347V = 3</td> </tr> <tr> <td>480V = 8</td> </tr> </table> <p><i>Not available in Multi-Tap</i></p> <div style="border: 1px solid black; padding: 5px;"> <p><b>NOTE:</b> 35W AND 50W SOURCES IN 120V OR 277V ONLY.</p> </div>	120V = 2	240V = 4	208V = 0	277V = 7	347V = 3	480V = 8	<h3>4 LAMP</h3> <p>L = with lamp N = no lamp</p> <p><b>L/MS</b> = with Super Metal Halide lamp</p>
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<h3>8 COLOR</h3> <p><b>BK</b> = Black <b>GR</b> = Green <b>WH</b> = White <b>DB</b> = Dark Bronze <b>SL</b> = Silver <b>GY</b> = Gray <b>BU</b> = Blue <b>VP</b> = Verde Patina <b>CC</b> = Custom Color</p>	<h3>9 OPTIONS</h3> <table border="1"> <tr> <td><b>SF</b> = single in-line fuse</td> <td><b>FV</b> = international ballast; specify cycles and voltage</td> </tr> <tr> <td><b>DF</b> = double in-line fuse</td> <td><b>UP</b> = upright; glass lens on top instead of bottom.</td> </tr> <tr> <td><b>MT</b> = multi-tap transformer</td> <td></td> </tr> <tr> <td><b>QR</b> = quartz restrike</td> <td></td> </tr> <tr> <td><b>PC</b> = photo cell</td> <td></td> </tr> </table>		<b>SF</b> = single in-line fuse	<b>FV</b> = international ballast; specify cycles and voltage	<b>DF</b> = double in-line fuse	<b>UP</b> = upright; glass lens on top instead of bottom.	<b>MT</b> = multi-tap transformer		<b>QR</b> = quartz restrike		<b>PC</b> = photo cell																														
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\* For more detailed information on mounting arrangements, and for wall mount, please see Pole/Arm section of catalog. For pole ordering information, please see Pole/Arm Section of catalog. If poles are not ordered along with fixtures, please specify mounting requirements when ordering fixtures. This document contains proprietary information of the Bieber Illumination Group and is trans-mitted in confidence. Any reproduction, disclosure or use of this document is expressly prohibited except as Bieber Illumination Group may agree in writing. Because of ongoing product refinement, Bieber Illumination Group reserves the right to change specifications without notice. For customized requirements, please consult factory.

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