

# The Lyons

Available in LED

Bieber Illumination Group



*Lyons shown mounted post-top. Specify mounting arrangement K and arm K.*

## **UL & CSA LISTED FOR WET LOCATIONS.**

### **FACTORY TESTED BEFORE SHIPMENT.**

**HOUSING** – The housing is a combination of heavy duty aluminum spun and cast parts.

**OPTICS** – Available in Types III and V. Features a low-glare, spun and polished aluminum stacked-cone optical system.

**LENS** – Available in unbreakable clear polycarbonate or in clear acrylic; please see the Lens table.

**ELECTRICAL COMPONENTS** – All ballasts are CWA/HPF regulating auto-transformers, available in MH or 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 175W in MH and 150W in HPS.

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

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

**POLES & BASES** – Bieber can supply square or round poles in straight or tapered styles. See pages 32-33.

**PHOTOMETRICS** – See page 34, Fig. 5.

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

## 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.

  
**Bieber Illumination Group**

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# The Lyons

	1	2	3	4	5	6	7	8	9	10
<b>FIXTURE</b>	<b>SIZE</b>	<b>SOURCE</b>	<b>VOLTS</b>	<b>LAMP</b>	<b>OPTICS</b>	<b>LENS</b>	<b>MOUNT</b>	<b>ARM</b>	<b>COLOR</b>	<b>OPTIONS</b>
<b>LYO</b>	<b>10</b>	<b>K2</b>	<b>4</b>	<b>L</b>	<b>5</b>	<b>PL</b>	<b>K</b>	<b>K</b>	<b>CC</b>	<b>SF, MT</b>

Create a catalog number from the tables below. Example number: LYO – 10 – K2 – 4 – L – 5 – PL – K – K – CC – SF, MT

### 1 SIZE

Size = 10	
A	28.5"
B	14.5"
Maximum Wattage	175W MH 150W HPS

top view side view

### 2 SOURCE

	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>

\*see note in Voltage table

Pulse start also available; consult factory.

### 3 VOLTAGE

120V = 2	} Also available in Multi-Tap: see Options table
208V = 0	
240V = 4	
277V = 7	
347V = 3	} Not available in Multi-Tap
480V = 8	

**NOTE:**  
35W AND 50W SOURCES IN 120V OR 277V ONLY.

### 4 LAMP

L = with lamp  
N = no lamp

**L/MS** = with Super Metal Halide lamp

### 5 OPTICS

3 = Type III  
5 = Type V

### 6 LENS

**PL** = clear polycarbonate  
**AC** = clear acrylic

### 7 MOUNTING ARRANGEMENT\*

<b>A</b> =	<b>F</b> =	<b>J</b> =  wall mount
<b>B</b> =	<b>G</b> =	<b>K</b> = post-top
<b>C</b> =	<b>H</b> =	<b>L</b> = other; please specify
<b>D</b> =	<b>I</b> =	
<b>E</b> =		

*Illustrated: Mounting arrangement B of arm AT1/FC.*

### 8 ARM

Please see Architectural Arms on pages 30 & 31.

Specify **K** for post-top.

### 9 COLOR

<b>BK</b> = Black	<b>GY</b> = Gray
<b>GR</b> = Green	<b>BU</b> = Blue
<b>WH</b> = White	<b>VP</b> = Verde Patina
<b>DB</b> = Dark Bronze	<b>CC</b> = Custom Color
<b>SL</b> = Silver	

### 10 OPTIONS

**SF** = single in-line fuse  
**DF** = double in-line fuse  
**MT** = multi-tap transformer  
**QR** = quartz restrike  
**PC** = photo cell  
**FV** = international ballast; specify cycles & voltage

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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 transmitted 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.