

The Sumner Series

Available in LED

Bieber Illumination Group



Above: Sumner 10 on arm AT24/SC, mounting arrangement F. **Right:** Sumner 20 on arm AT23. **Below Center:** Sumner 10 on arm AT23. The half-acorn cap is standard on arm AT23.



UL & CSA LISTED FOR WET LOCATIONS.

FACTORY TESTED BEFORE SHIPMENT.

HOUSING – The housing is heavy-duty spun and cast aluminum.

OPTICS – Available with horizontal lamp in Types II, III, FT and V. Available with vertical lamp in Types III, FT and V. See the Optics table.

LENS – Tempered flat glass is standard with horizontal lamp. Tempered convex glass is standard with vertical lamp.

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 of 50W or less are available at 120V or 277V only. Maximum wattage is 1000W.

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. 12.

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.



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

Corporate, A/P & A/R office:
3455 Military Ave.
Los Angeles, CA. 90034
310-836-0621

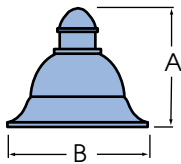
Sales & customer support
office: 310-451-5589
garybieber@yahoo.com

The Sumner Series

	1	2	3	4	5	6	7	8	9
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	OPTICS	MOUNT	ARM	COLOR	OPTIONS
SUM	20	T2	2	L	3V	F	AT 24/SC	DB	SF, MT

Create a catalog number from the tables below. Example number: SUM – 20 – T2 – 2 – L – 3V – F – AT 24/SC – DB – SF, MT

1 SIZE		
	Size = 10	Size = 20
A	22"	22"
B	24-1/2" dia.	30" dia.
Max Watts	400W	1000W
EPA	2.1	2.6



2 LIGHT SOURCE		
	HPS	MH
35W	B1*	B2*
50W	C1*	C2*
70W	E1	E2
100W	H1	H2
150W	J1	J2
175W	.	K2
250W	N1	N2
400W	P1	P2
1000W	T1	T2

**see note in Voltage table*



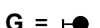



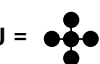

Pulse start also available; consult factory.

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
2H = Type II with horizontal lamp
3H = Type III with horizontal lamp
4H = Type FT with horizontal lamp
5H = Type V with horizontal lamp
3V = Type III with vertical lamp
4V = Type FT with vertical lamp
5V = Type V with vertical lamp

6 MOUNTING ARRANGEMENT*		
A = 	E = 	G =  wall mount
B = 	F = 	H = other; consult factory
C = 	J =  quad plus post-top	
D = 		

7 ARM
Please see Architectural Arms on pages 30 and 31.

8 COLOR
BK = Black
GR = Green
WH = White
DB = Dark Bronze
SL = Silver
GY = Gray
BU = Blue
VP = Verde Patina
CC = Custom Color

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

Bieber Illumination Group

* 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.