

Bieber Illumination Group
The San Antonio Series



HOUSING - The housing is ultra-thick heavy duty cast aluminum.

LENS - Three standard lens styles are offered: clear, tempered glass, frosted tempered glass, and obscure pebbled glass. The clear tempered glass style usually requires a refractor for better performance.

REFRACTOR - The optional refractor is offered in either a 180° or 360° distribution pattern.

ELECTRICAL COMPONENTS - All ballasts are CWA or HPF regulating auto-transformers, available in MH and HPS. Starting temperature for MH is -20°F, and HPS starts at -40°F. Maximum wattage is 400W.

LAMP - The San Antonio may be lamped in metal halide, high pressure sodium, or incandescent.

SOCKET - Is glazed porcelain, standard or mogul base, rated to 600V.

FINISH - The finish is thermoset polyester oven-baked powder coat, in any standard color. Custom colors are available to your specifications.

UL LISTED FOR WET LOCATIONS.

FACTORY TESTED BEFORE SHIPMENT.

LED:

UNIVERSAL LED, UL listed LED modules and drivers, combined with a vertical heat sink and into one configurable unit which gives precise light distribution. In either a type III or V pattern. It allows us to offer lumen adjustment on light output. These are 10CHIP, 500 LUMEN, 525 mA, 6v. 3.2 watt per module, achieving 159 lumens per watt efficacy, 82CRI at 4000K. Beside maximizing heat dissipation surface, we also utilize convection-based heat management which creates additional air flow around the strips. Unlike a big metal heat sink where the temperature for the chips in the middle is higher than the rest, the heat of each of our modules gets dissipated evenly. This innovative heat dissipation design keeps the junction temperature low and ultimately prolongs the life of the LED strips. Our modules are covered by our standard 5 year warranty and are available in many of our fixtures designs. The drivers are dimmable 0-10v.

The San Antonio Series

Example of a catalog number in the San Antonio Series (SAA).

1	2	3	4	5	6	7	8	
SIZE	SOURCE	VOLTS	LAMP	LENS	MOUNT	COLOR	OPTIONS	
SAA	3	80LED	2	4000K	1	B	BK	R3, MT

Make your choices from the eight tables below.

1 SIZE

	A	B
Size = 1	24"	11"
Size = 2	30"	15"
Size = 3	36"	19"

WATTAGES
for MH & HPS LED

Size 1: 35 - 70 W 5 - 40w
Size 2: 100 - 175W 40 - 80w
Size 3: 250 - 400W 80-120 watt

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

For LED specify wattage
Incandescent = Z
Please specify type, base, and wattage of lamp.

3 VOLTAGE

120V = 2
208V = 0
240V = 4
277V = 7

Also available in Multi-Tap: see Options

480V = 8
Not available in Multi-Tap

4 LAMP

L = with lamp
N = no lamp

5 LENS

1 = clear tempered glass (a refractor is recommended)
2 = frosted tempered glass
3 = obscure pebbled glass

6 MOUNTING ARRANGEMENT*

A = E = H = other (consult factory)
B = F = I = post-top
C = G = J = (Quad plus post-top)
D =

(several styles available: please consult factory).

7 COLOR

BK = Black
GR = Green
WH = White
DB = Dark Bronze
SL = Silver
GY = Gray
CC = Custom Color

8 OPTIONS

SF = single in-line fuse
DF = double in-line fuse
PC = photo cell
LS = cut-off shield
QR = quartz restrike

MT = multi-tap transformer
R3 = 180° distribution pattern refractor
R5 = 360° distribution pattern refractor
FB = decorative 1" diameter finial ball

For LED specify kelvin rating / color. Options include 2700K, 3000K, 4000K & 5000K