

The Arlington Series

Available in LED

Bieber Illumination Group



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

HOUSING – A weathertight unit fabricated from die-formed .063" thick aluminum. There is an aluminum plate welded inside the fixture at the mounting-arm joint to give extra strength to withstand heavy winds.

OPTICAL CHAMBER – The segmented reflector is specular aluminum. Available in Types III, Front Throw, and V.

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 400W.

LENS AND FRAME ASSEMBLY – The lens consists of tempered, high impact heat-resistant clear glass. It is installed with Poron gasketing between the door frame and the fixture housing channel to form a seal against moisture and insects. The lens frame is one-piece die formed from .063" thick aluminum. It is secured by two stainless steel captive screws and opens on two heavy-duty take-apart hinges.

FIXTURE ARM – The standard style of fixture arm is a bolt-on arm 6" x 2" x 10" long. Two 3/8" bolts with nuts & washers are provided. A threaded mounting plate makes it unnecessary to open the fixture while mounting. The Arlington is also available with Bieber's super-fast Easy Mount slip-fit fixture arm; see the Arm table, and please specify the OD of the pole or tenon. There is a 1/4" aluminum plate welded to the inside of the housing at the fixture-arm junction for extra strength to withstand heavy winds.

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

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

PHOTOMETRICS – See page 34, Fig. 1.

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 Arlington Series

	1	2	3	4	5	6	7	8	9
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	OPTICS	MOUNT	ARM	COLOR	OPTIONS
ARL	30	P2	2	L	4	B	BA	DB	SF, MT

Create a catalog number from the tables below. Example number: ARL – 30 – P2 – 2 – L – 4 – B – BA – DB – SF, MT

1 SIZE

	"bollard" Size = 10	Size = 20	Size = 30
A	8.5"	16"	21"
B	10.5"	20"	23.5"
C	12.9"	24"	23.5"
EPA	0.8	2.8	3.8
Max Watts	50W	250W	400W

2 LIGHT SOURCE

	HPS	MH
35W	B1*	•
50W	C1*	C2*
70W	E1	E2
100W	H1	H2
150W	J1	J2
175W	•	K2
250W	N1	N2
400W	P1	P2

**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
4 = Front Throw
5 = Type V

6 MOUNT ARRANGEMENT*

A =

B =

C =

D =

E =

F =

G = wall mount

H = other; consult factory

7 ARM

BA = bolt-on arm (standard)
EM = Easy Mount slip-fit fixture arm

See pp 30 & 31 for additional arms.

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
MT = multi-tap transformer
QR = quartz restrike
PC = photo cell
SC = safety cable
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 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 refine-ment, Bieber Illumination Group reserves the right to change specifications without notice. For customized requirements, please consult factory.