

The Denver Series

Available in LED

Bieber Illumination Group



UL & CSA LISTED FOR WET LOCATIONS.

FACTORY TESTED BEFORE SHIPMENT.

HOUSING – Weathertight unit fabricated from one-piece aluminum .063" thick, continuous heliarc welded at all seams. A heavy-gauge aluminum plate is welded inside the fixture at the mounting-arm joint for extra strength to withstand heavy winds.

OPTICAL CHAMBER – Segmented reflector with specular aluminum finish, available in Types II, III, Front Throw, and V.

LENS AND FRAME ASSEMBLY – The lens is 1/8" tempered, high impact heat-resistant glass. It is installed with Poron gasketing between both the lens and door frame and between the lens and fixture housing channel to form a complete seal against moisture and insects. The lens frame is one-piece die formed .063" thick aluminum. It is secured by two captive screws for easy maintenance. The lens frame opens on two heavy-duty take-apart hinges.

ELECTRICAL COMPONENTS – All ballasts are CWA/HPF regulating auto-transformers, available in MH and HPS. The starting temperature for MH is -20°F, and HPS starts at -40°F. 50W sources are available only at 120V or 277V. Maximum wattage is 400W.

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.

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

FIXTURE ARM – The standard style of fixed arm is a bolt-on arm 6" x 2" x 10" long. Two 3/8" bolts with nuts & washers are provided. The Denver is also available with an Easy Mount slip-fit 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.

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

PHOTOMETRICS – See page 34, Figs. 2 and 3.

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.


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 Denver Series

	1	2	3	4	5	6	7	8	9
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	OPTICS	MOUNT	ARM	COLOR	OPTIONS
DNV	20	P2	2	L	4	A	BA	DB	SF, MT

Create a catalog number from the tables below. Example number: DNV – 20 – P2 – 2 – L – 4 – A – BA – DB – SF, MT

1 SIZE

	Size = 10	Size = 20
A	25"	32"
B	11.5"	16"
C	15"	22"
Max Watts	150W	400W

2 LIGHT SOURCE

	HPS	MH
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:
50W SOURCES IN 120V OR 277V ONLY.

4 LAMP

L = with lamp
N = no lamp
L/MS = with Super Metal Halide lamp

5 OPTICS

2 = Type II
3 = Type III
4 = Front Throw
5 = Type V

6 MOUNTING 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	DB = Dark Bronze
GR = Green	SL = Silver
WH = White	GY = Gray
BU = Blue	VP = Verde Patina
	CC = Custom Color

9 OPTIONS

SF = single in-line fuse	QR = quartz restrike
DF = double in-line fuse	PC = photo cell
MT = multi-tap transformer	SC = safety cable
LS = light shield	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. ©2017 Bieber Illumination Group