

The Caravel

Available in LED

Bieber Illumination Group



THE CARAVEL MAY BE WALL, CEILING OR COLUMN MOUNTED. IT PROVIDES IDEAL SECURITY LIGHTING IN ALL LOCATIONS. EXCELLENT ACCENT LIGHTING FOR WALKWAYS AND PERIMETERS.

Left: Caravel with basket guard.

Across: The diagram in the Size table shows the Caravel with eyelid guard.

UL LISTED FOR WET LOCATIONS.

FACTORY TESTED BEFORE SHIPMENT.

HOUSING – The housing is cast aluminum. The standard size is 8-1/2" diameter by 9-1/2" high. Please consult factory for availability of other heights.

GUARD – Cast aluminum. Available with basket guard, eyelid guard, or with no guard. Please see the Guard table.

LENS – The standard lens is opal polycarbonate. Poron gasketing seals the lens to the housing.

SOURCES – The Caravel is available in incandescent up to 150W (120V only), in MH up to 100W, and in HPS up to 100W. Fluorescent, and HID sources 50W or less, are available only at 120V or 277V. Incandescent is available only at 120V.

ELECTRICAL COMPONENTS – All HID ballasts are CWA/HPF regulating auto-transformers, available in MH and HPS. Fluorescent

ballasts are electronic type. The starting temperature for MH and fluorescent is -20°F, and HPS starts at -40°F.

OPTICS – High gloss reflective white powder coat on interior of housing.

SOCKET – All HID sockets are glazed porcelain, medium base, with 600V nickel-coated contacts. Incandescent sockets are glazed porcelain, medium base, with 600V nickel-coated contacts. Fluorescent sockets are standard PL type.

MOUNTING – The contractor shall drill holes through the solid back to support mounting on a standard flush junction box (by others). Wall, ceiling or column mount.

FINISH – 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.


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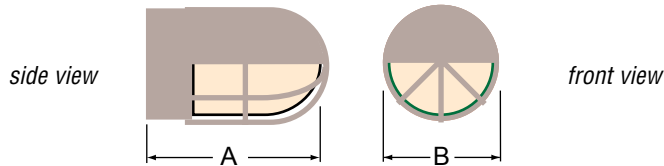
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The Caravel

	1	2	3	4	5	6	7
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	GUARD	COLOR	OPTIONS
CVL	10	E1	4	L	4	BK	MT

Create a catalog number from the tables below. Example number: CVL – 10 – E1 – 4 – L – 4 – BK – MT

1 SIZE



	Size = 10	Size = 20
A	13"	Custom: consult factory
B	8.5"	
Max Watts	<ul style="list-style-type: none"> Incandescent 150W MH 100W HPS 100W Fluorescent PL-42 single or PL-13 dual 	

2 LIGHT SOURCE

	HPS	MH
35W	B1*	B2*
50W	C1*	C2*
70W	E1	E2
100W	H1	H2

*see note in Voltage table
Pulse start available; consult factory.

FLUORESCENT
X = single PL **Y** = dual PL
(please specify wattage)
 EXAMPLE: Y13 = dual PL 13.

Z = Incandescent
Up to 150 W, medium base only.
Lamps by others.

3 VOLTAGE

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

NOTE:

- INCANDESCENT IN 120V ONLY.
- FLUORESCENT IN 120V OR 277V ONLY.
- 35W AND 50W HID SOURCES IN 120V OR 277V ONLY.

4 LAMP

L = with lamp
N = no lamp

NOTE: BIEBER DOES NOT FURNISH INCANDESCENT LAMPS.

5 GUARD

0 = no guard
3 = eyelid guard
(see Size table above)
4 = basket guard
(illustrated in photo across)

6 COLOR

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

7 OPTIONS

MT = multi-tap transformer
(HID sources 70W or greater only)
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 refinement, Bieber Illumination Group reserves the right to change specifications without notice. For customized requirements, please consult factory.
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