

The Carousel Series

Available in LED

Bieber Illumination Group



Left: Shown on arm AT07. **Center:** The Carousel on a round tapered pole, showing the above-center extension with decorative diagonal support (arm AT20/FC) that is also shown on the back cover. **Top Right:** Shown with arm AT06/FC, mounting arrangement B. **Bottom Right:** The Carousel Mini, shown on arm AT05/FC, mounting arrangement B.

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

HOUSING – All aluminum construction. The reflector is heavy-duty spun aluminum .080" thick and features a rolled edge for extra strength.

REFLECTOR – Aluminum. The underside is available finished in reflective white; please see the Options table.

LENS – The standard lens is an impact resistant opal polycarbonate capsule. Other lenses are available; please consult factory.

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. Fluorescent, and HID sources 50W or less, are available only at 120V or 277V. Maximum wattage is 150W for HPS and 175W for MH. The Carousel is also available in fluorescent up to PL42.

SOCKET – All sockets except fluorescent are glazed porcelain, mogul or medium base, rated to 600V. Fluorescent sockets are standard PL type.

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.

HARDWARE – Stainless steel external hardware. Pole hardware includes galvanized anchor bolts, nuts, and washers.

YOKE MOUNT – The Carousel is offered in yoke-mount style for post-top. Two heavy-duty support shafts are welded to the reflector and to the slip fitter.

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. 6.

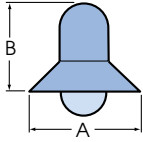
FINISH – Thermoset polyester oven-baked powder coat, in any standard Bieber Lighting color. Custom colors are available to your specifications; consult factory.

The Carousel Series

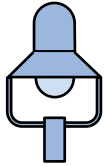
	1	2	3	4	5	6	7	8	9
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	LENS	MOUNT	ARM	COLOR	OPTIONS
CSL	10	E2	4	L	1	B	AT 05/FC	BK	MT, WR

Create a catalog number from the tables below. Example number: CSL – 10 – E2 – 4 – L – 1 – B – AT 05/FC – BK – MT, WR

1 SIZE



	Size = 10 "Carousel Mini"	Size = 20
A	10"	18"
B	12"	14"
Max Watts	70W MH 70W HPS 13W PL	175W MH 150W HPS 42 PL
EPA	.7	1.5



Yoke mount style for post-top (NTS)

2 LIGHT SOURCE

	HPS	MH
35W	B1*	•
50W	C1*	C2*
70W	E1	E2
100W	H1	H2
150W	J1	J2
175W	•	K2

* see note in Voltage table

Pulse start also available; consult factory.

FLUORESCENT
X = single PL, specify wattage.
consult factory for dual PL

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 HID SOURCES IN 120V OR 277V ONLY.
- FLUORESCENT IN 120V OR 277V ONLY.


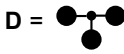




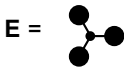
4 LAMP

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

5 LENS

1 = opal polycarbonate capsule
2 = custom; consult factory

6 MOUNTING ARRANGEMENT*

A = 	D = 	F = 
B = 		G =  wall mount
C = 	E = 	PY = post-top yoke mount

7 ARM

Please see Architectural Arms on pages 30 and 31.

Specify **PY** for post-top yoke mount.

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	IS = internal shield
DF = double in-line fuse	PC = photo cell
MT = multi-tap transformer	WR = underside of reflector shade is white powder coat
QR = quartz restrike	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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