

The Irvine ("Pumpkin") Series

Available in LED

Bieber Illumination Group

THE RUGGED IRVINE IS DESIGNED FOR VANDALISM AREAS. THE HEAVY, FINNED, DIE-CAST ALUMINUM HOUSING AND THE POLYCARBONATE PRISMATIC LENS DEFY BREAKAGE FROM THROWN OBJECTS.



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

APPLICATIONS – Parks, recreation areas, walkways, etc.

HOUSING – The housing and fins are extra heavy duty cast aluminum. The top is heavy gauge spun aluminum. The large size has 18 fins at 20° apart, and the small size has 12 fins. The fins protect the luminaire from vandalism and thrown objects. Lamp access is through the removable hood. The standard external slipfitter is cast aluminum and is designed to fit a 3" OD pole or tenon. Custom-sized extruded aluminum slip-fitters are available; please see Options table.

MOUNTING – The standard mounting arrangement is post-top. Other configurations are available; please see Mounting Arrangements table.

LENS – Clear prismatic Lexan refractor for Type III and V distribution.

OPTICS – Available in Type III or Type V.

ELECTRICAL COMPONENTS – All ballasts are CWA/HPF regulating auto-transformers, available in HPS, MH, and LPS. Starting temperature for HPS -40°F, and MH starts at -20°F, and LPS starts at -30°F. Maximum wattage is 250W for HPS and MH. Maximum wattage for LPS is 35W. If no specific voltage is specified and multi-tap is given, Bieber will wire fixture(s) at 277V as the default.

SOCKET – HPS and MH sockets are glazed porcelain, medium or mogul base, rated to 600V. LPS sockets are standard LPS-type.

PHOTOMETRICS – See page 55; use Figure R.

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

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

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The Irvine ("Pumpkin") Series

	1	2	3	4	5	6	7	8
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	OPTICS	MOUNT	COLOR	OPTIONS
IRV	10	K2	2	L	5	B	DB	SF, MT

Create a catalog number from the tables below. Example number: IRV – 10 – K2 – 2 – L – 5 – B – DB – SF, MT

1 SIZE		
	Size = 10	Size = 20
A	13"	18"
B	13"	21"
Max Watts	175W HPS & MH 18W LPS	250W HPS & MH 35W LPS
EPA	1.0	1.6

A diagram of the Irvine fixture showing dimensions A and B. Dimension A is the height of the fixture, and dimension B is the diameter of the top of the fixture.

2 LIGHT SOURCE			
	HPS	MH	LPS
18W	•	•	A4
35W	B1	B2	B4
50W	C1	C2	•
70W	E1	E2	•
100W	H1	H2	•
150W	J1	J2	•
175W	K1	•	•
200W	•	M2	•
250W	N1	N2	•

pulse start also available;
consult factory

3 VOLTAGE	
120V	= 2
208V	= 0
240V	= 4
277V	= 7
<i>Also available in Multi-Tap for HPS and MH only – voltage must be specified for LPS: see Options table.</i>	
480V	= 8
<i>Not available in Multi-Tap</i>	

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

5 OPTICS	
3	= Type III
5	= Type V

6 MOUNTING ARRANGEMENT*			
A =		F =	
B =		G =	↳• (wall mount)
C =		H =	other (consult factory)
D =		I =	post-top
E =		J =	(Quad plus post-top)

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

8 OPTIONS			
SF	= single in-line fuse	MT	= multi-tap transformer
DF	= double in-line fuse	CF	= custom size slip-fitter (other than 3" ID); please specify size.
PC	= photo cell (button style)	QR	= quartz restrike
FV	= international ballast; specify voltage & cycles		

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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