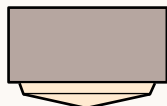


# The Nova Series

Available in LED

Bieber Illumination Group



pyramidal drop lens  
(for Sizes **10S** and  
**10A** only)

Fig. 1

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

**APPLICATION** – Parking structure security, gas stations (shown above), car lots, canopies, garages, etc.

**HOUSING** – Heavy duty .063" thick aluminum or .040" thick steel. Available with stainless steel housing and/or door frame; please see the Options table.

**SIZES** – The Nova 1x1 is 14" square by 8" deep. The Nova 2x2 measures 23" square by 8" deep. Drop lenses add 2-1/4" to the depth.

**LENS** – The Nova 1x1 is offered with three standard lenses: flat textured tempered glass; patterned acrylic square drop; and patterned acrylic pyramidal drop (see Fig. 1). The Nova 2x2 is not available with the pyramidal drop lens. Please see the Lens table.

**MOUNTING** – Two mounting styles are offered, surface mount and recessed T-bar. Please see the Mount table.

**DOOR FRAME** – The heavy-duty door frame is fully gasketed.

**SOURCES** – Available in MH and HPS. Sources 50W or less are available only at 120V or 277V. Maximum wattage is 400W.

**ELECTRICAL COMPONENTS** – All ballasts are CWA or HPF regulating auto-transformers, The starting temperature for MH and fluorescent is -20°F, and HPS starts at -40°F. Bieber uses only UL recognized electrical components.

**SOCKET** – Glazed porcelain, medium or mogul base, rated to 600V.

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



Square drop lens.

## 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

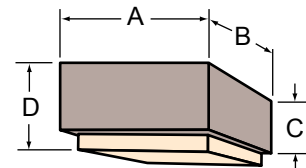
# The Nova Series

	1	2	3	4	5	6	7	8
<b>FIXTURE</b>	<b>SIZE</b>	<b>SOURCE</b>	<b>VOLTS</b>	<b>LAMP</b>	<b>LENS</b>	<b>MOUNT</b>	<b>COLOR</b>	<b>OPTIONS</b>
<b>NVA</b>	<b>20A</b>	<b>P2</b>	<b>2</b>	<b>L</b>	<b>2</b>	<b>T</b>	<b>WH</b>	<b>SF, QR</b>

Create a catalog number from the tables below. Example number: NVA – 20A – P2 – 2 – L – 2 – T – WH – SF, QR

## 1 SIZE

	Size = 10S Steel "1x1"	Size = 10A Aluminum "1x1"	Size = 20S Steel "2x2"	Size = 20A Aluminum "2x2"
<b>A</b>	14"	14"	23"	23"
<b>B</b>	14"	14"	23"	23"
<b>C</b>	8"	8"	8"	8"
<b>D</b>	10-1/4"	10-1/4"	10-1/4"	10-1/4"
<b>Max. Watts</b>	150W HPS 175W MH	150W HPS 175W MH	400W	400W



**NOTE:**  
DIMENSION D APPLIES TO  
FIXTURES WITH SQUARE OR  
PYRAMIDAL DROP LENS.  
SEE TABLE 5.

## 2 LIGHT SOURCE

	HPS	MH
35W	<b>B1*</b>	<b>B2*</b>
50W	<b>C1*</b>	<b>C2*</b>
70W	<b>E1</b>	<b>E2</b>
100W	<b>H1</b>	<b>H2</b>
150W	<b>J1</b>	<b>J2</b>
175W	•	<b>K2</b>
250W	<b>N1</b>	<b>N2</b>
320W	•	<b>O2</b>
400W	<b>P1</b>	<b>P2</b>

\*see note in Voltage table

Pulse start also available; consult factory.

## 3 VOLTAGE

120V = **2**  
208V = **0**  
240V = **4**  
277V = **7**  
480V = **8**

Also available  
in Multi-Tap:  
see  
Options table

Not available  
in Multi-Tap

**NOTE:**  
INCANDESCENT IN  
120V ONLY. FLUORESCENT  
IN 120V OR  
277V ONLY. 35W AND  
50W HID SOURCES IN  
120V OR 277V ONLY.

## 5 LENS

**1** = textured tempered glass flat lens  
**2** = patterned acrylic square drop lens  
**3** = patterned acrylic pyramidal drop lens  
(sizes **10S** & **10A** only. Required for  
option VL.)

## 4 LAMP

**L** = with lamp  
**N** = no lamp

**L/MS** = with Super Metal Halide lamp  
(175W, 250W & 400W only)

**NOTE:** BIEBER DOES NOT FURNISH  
INCANDESCENT LAMPS.

## 6 MOUNT

**S** = surface mount  
**T** = recessed T-bar

## 7 COLOR

**WH** = White (standard color)

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

## 8 OPTIONS

**SF** = single in-line fuse  
**DF** = double in-line fuse  
**MT** = multi-tap transformer  
(HID sources 70W or  
greater only)  
**VL** = vertical lamp  
(Sizes **10S** & **10A** with  
pyramidal drop lens only)  
**RF** = reflector

**QR** = quartz restrike  
**SS** = stainless steel housing  
and door  
**SD** = standard steel or aluminum  
housing with stainless steel  
door  
**FV** = international ballast;  
specify cycles & volts

# Bieber Illumination Group

\* 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 transmitted 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.  
©2017 Bieber Illumination Group