

# NV-F

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The Ultimate Flood



**NLS**  
LIGHTING

**FORM  
FUNCTION  
RELIABILITY  
DESIGN  
PERFORMANCE**

This is what the NV-Flood was built on. Sleek, low-profile, die-cast housing, spec grade performance and L70 of 173,000 hours. The NV-F is in a class of its own.

Engineered for optimal thermal performance, the NV-F is the ultimate flood that will stand the test of time. Marine Grade Finish (MGF) is standard for strengthened durability in the harshest environments.

Creating a Swiss Army Knife for lighting designers, architects and specifiers. Design the light with a wide variety of options.

- 8 - Silicone Optics (15°, 30°, 55°, 85°, T2, T3, T4, T5)
- 5 - Kelvin Temperatures (2700, 3000, 3500, 4000, 5000)
- 4 - Vibrant Color LEDs (Red, Green, Blue, PC Amber)
- 15 - Mounting Brackets & Accessories
- 6 - Glare Control options

Having such a small, powerful package is invaluable.

This is NLS Lighting.

## FORM

- Engineered for Optimal Thermal Management
- Sleek, Low Profile Die-Cast Housing
- Corrosion Resistant External Hardware
- Specification Grade Performance

The innovative NV-Flood is a high-powered, corrosion resistant, low copper, die-cast aluminum luminaire. Thermal management is handled with a separate driver housing and LED light engine heat sink. Heat sink cooling fins are designed with a thermal gap for longer LED/Driver life with a L70 of 173,000 hours.

Silicone optical distribution patterns include 15° Very Narrow Beam, 30° Narrow Beam, 55° Medium Beam, 85° Wide beam, T2 7X5 NEMA Distribution, T3 7X6 NEMA Distribution, NEMA 6X6 Forward Throw T4, and a NEMA 7X7 symmetrical T5.

Mounting options include 1/2" NPT Knuckle Mount or Trunnion Mount. Knuckle Mount and Trunnion Mount are available with Stanchion Caps to fit over 2 3/8", 3" and 4" diameter Stanchion or Tenons. Other mounting options include Universal Magic Mount (UMM) and 4" Round J Box Mount (JBRT)(JBRK).

## THE ULTIMATE FLOOD

# FUNCTION

- Micro Optics Flood Distributions 15°, 30°, 55°, 85°
- Micro Optics IES Distributions T2, T3, T4, T5
- NV-F1 Lumen Package 2,120 to 6,030
- NV-F2 Lumen Packages 5,300 to 10,720
- 2700, 3000, 3500, 4000, and 5000 Kelvin
- Static Color
  - Red (624-634nm)
  - Green (520-540nm)
  - Blue (440-460nm)
  - PC Amber (585-600nm)
- 16L to 32L LED Configuration
- 20-80 Watts
- CRI 70, 80
- Die-Cast Housing and Heat Sink
- Driver Separate from Light Engine for Superior Thermal Management
- 0-10v Dimming Driver
- 5 mils Powder Coat

In Architectural Flood Lighting, the surfaces being illuminated vary in shape and size. To create an effective lighting system, waste light should be eliminated using a range of optic patterns that control illumination and glare control. By utilizing the correct optics and glare control that are matched to the surfaces being lit, a system can produce even illumination using fewer fixtures with more control.

As setback distance increases, the required optic pattern size decreases for the same target area. However, focusing LED light energy into a tighter beam pattern increases luminous intensity. Therefore, narrowing the beam pattern as the setback increases retains the level of illumination and area of coverage, without increasing luminaire wattage.

The largest impact of setback distance is based on how the surface details of the target will be modeled. The availability of a wide range of complementary optical systems means that the appropriate setback distance can be used to achieve desired shadowing and surface appearance.



## RELIABILITY

- L70 173,000 Hours
- Silicone Micro Optics
- 5 Year Standard Warranty
- Marine Grade Finish as Standard
- IP66 Rated
- IP67 Rated Optics
- IK10 Rated
- UL Listed

The NV-Flood is a robust, low copper, die-cast product designed to last. With an L70 of 173,000 hours, IP67 Rated Silicone Optics, Superior Marine Grade Powder Coat Finish as standard. The NV-Flood is also IK10 and IP66 Rated creating a rock solid lighting platform.

The NV-Flood broke the mold on flood lighting design, creating a massive lumen package in a product that will fit in your back pocket. Power, efficacy and a pint sized footprint – the NV-Flood will be dependable for many years to come.

From the hottest deserts and harshest winters to the fiercest weed-wacker, the NV-Flood will prevail!



## DESIGN

- NV Product Family Design DNA
  - A Family of Products including Area Lights, Pedestrian scale, Wall Packs, Bollards and Flood Lights
- Design Flexibility
  - 8 - Silicone Optics (15°, 30°, 55°, 85°, T2, T3, T4, T5)
  - 5 - Kelvin Temperatures (2700, 3000, 3500, 4000, 5000)
  - 4 - Vibrant Color LEDs (Red, Green, Blue, Amber)
  - 15 - Mounting Brackets & Accessories
  - 6 - Glare Control options
- 16 to 32 LEDs (NV-F1 / NV-F2)

The sleek styling of the NV-Flood comes from the successful NV Family of fixtures from NLS Lighting. From multiple sizes of Area Lighting fixtures to wall mounts and more, the NV Family continues to grow. Designed to complement any job site – security applications to wall washes, the NV-Flood can be used almost anywhere. Four static color options and 5 Kelvin temperatures can be used to create stunning visuals. The NV-Flood is ultimate design freedom.

# PERFORMANCE

- 2,120 - 10,720 Lumens
- Excellent Thermal Management Properties
- Low Wattage - High Output
- Up to 138 LPW
- 8 Precision Flood Lighting Optics
- 6 Glare Control Options for Maximum Design Flexibility

**Excellence in Photometric Performance, specifically targeting Flood Lighting applications.**

Applications Include:

- Sign Lighting
- Building Facades
- Landscape
- Wall Washing
- Up Lighting
- Security Lighting
- Residential Commercial
- Parking
- Flag Pole
- Merchandising
- Billboard
- Indirect Lighting
- Display Pad
- Transportation

IP67 Rated for any direction or angle of Flood Lighting.



**MOUNTING OPTIONS**

Mounting options include 1/2" NPT Knuckle Mount or Trunnion Mount. Both options are available with Stanchion/Pole Caps to fit over 2 3/8", 3" and 4" diameter pole top tenons, or stanchion caps. Other options include a 4" Round J-Box Mount and a Universal Magic Mount.

**LIGHT ENGINE**

Precision Die cast-aluminum housing for durability and consistency.

**STAINLESS STEEL HARDWARE**

Provided to protect the optical assembly and the driver compartment for vandal resistance.

**MARINE GRADE FINISH**

A multi-step process creating protective finishing coat against harsh environments. Applied as standard undercoat finish.

**GLARE CONTROL**

Glare control options include Barn Doors, Egg Crate Louver, Angled Visor, 2 sizes of Snoots and a House Side Shield.





**SPEC  
GRADE  
FLOOD  
LIGHTING**

**DRIVER HOUSING**

Precision Die-cast aluminum housing for durability and consistency.

**IP66 RATED**

One piece silicone gasket ensures IP66 level seal around the driver housing.

**KNUCKLE MOUNT**

The Knuckle Mount is adjustable in 7.5° increments, die-cast aluminum, and has a 1/2" NPT Fitter.

**SILICONE OPTICS**

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life.

**MOUNTING FITTER**

The machined brass Mounting Fitter is designed for 350° of rotation for maximum aiming flexibility. The fitter is first installed onto mounting surface, then the fixture with KM slips over the top and is secured by a single set-screw. Fitter is 1/2" NPT.





## AIMING FLEXIBILITY

- Brass 1/2" NPT Mounting Fitter is designed for easy installation and aiming.
- **Step 1** - Install the Mounting Fitter onto the installation surface.
- **Step 2** - Slide the fixture with KM Bracket over the Mounting Fitter.
- **Step 3** - Rotate fixture (left to Right 350°) to desired location.
- **Step 4** - Lock down fixture with single set-screw provided in KM Bracket.



**TECHNICAL INFORMATION:**

L70: 173,000 Hours  
 L90: 58,000 Hours  
 Lumens 2,120 to 6,030  
 IP66 Rated  
 IP67 Rated Optics  
 IK10 Rated  
 Marine Grade Finish Standard  
 Weight: 3.1 LBS  
 Die Cast Aluminum  
 Button Head Hex Drive-  
 Stainless Steel Hardware

Certified to UL 1598, UL 8750, CSA  
 C22.2 No. 250.0 



## PRODUCT OVERVIEW

NV-F2 

**NV-F**  
The Ultimate Flood

### GLARE CONTROL

Glare control options include Barn Doors, Egg Crate Louver, Angled Visor, 2 sizes of Snoots and a House Side Shield.

### SILICONE OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life.

### LIGHT ENGINE

Precision Die cast aluminum heat sink for durability and consistency.

### MOUNTING OPTIONS

Mounting options include 1/2" NPT Knuckle Mount or Trunnion Mount. Both options are available with Stanchion/Pole Caps to fit over 2 3/8", 3" and 4" diameter pole top tenons, or stanchion caps. Other options include a 4" Round J-Box Mount and a Universal Magic Mount.

### STAINLESS STEEL HARDWARE

Provided to protect the optical assembly and the driver compartment for vandal resistance.

### DRIVER HOUSING

Precision Die cast aluminum housing for durability and consistency.

### IP66 RATED

One piece silicone gasket ensures IP66 level seal around the driver housing.


**SPEC  
GRADE  
FLOOD  
LIGHTING**

#theultimateflood



**TECHNICAL INFORMATION:**

L70: 173,000 Hours  
 L90: 58,000 Hours  
 Lumens 5,300 to 10,160  
 IP66 Rated  
 IP67 Rated Optics  
 IK10 Rated  
 Marine Grade Finish Standard  
 Weight: 7.2 LBS  
 Die Cast Aluminum  
 Button Head Hex Drive-  
 Stainless Steel Hardware

Certified to UL 1598, UL 8750,  
 CSA C22.2 No. 250.0 

# SILICONE OPTICS

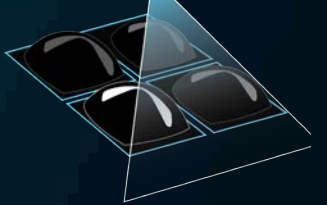
## THE LASTING LED LIGHTING SOLUTION

NLS Lighting's Silicone Micro Optical System technology takes quality and performance to the highest level.

## BENEFITS OF SILICONE OVER ACRYLIC

- SILICONE optic withstands harshest weather and dirt conditions
- Exceptional thermal and UV resistance
- Produces superior 96% clarity
- Rated to 150° C (acrylic rated to 85° C)
- Dark Sky Friendly—no glare
- No yellowing, cracking, brittleness, fading, chalking
- Vandal-resistant

MICROOPTICS

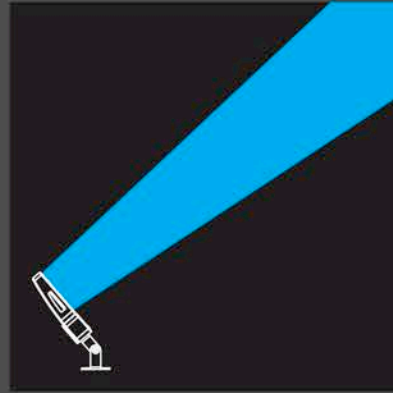
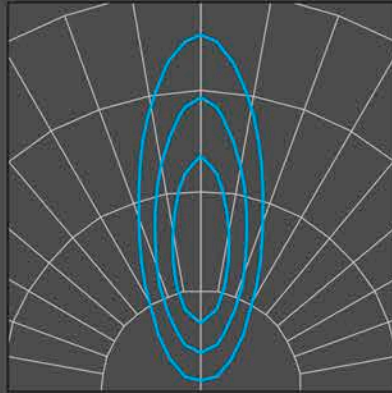


# THERMAL AGING TEST

	SILICONE	POLYCARBONATE	ACRYLIC
Initial			
6,000 Hrs. UV Aging (65° C)			
6,000 Hrs. Heat Aging (130° C)			

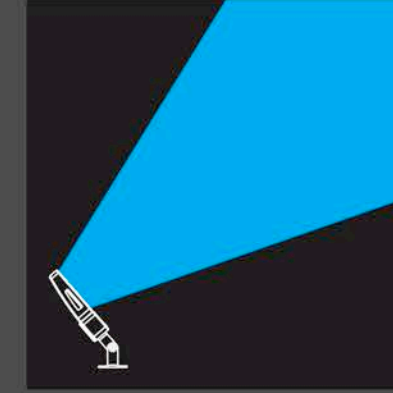
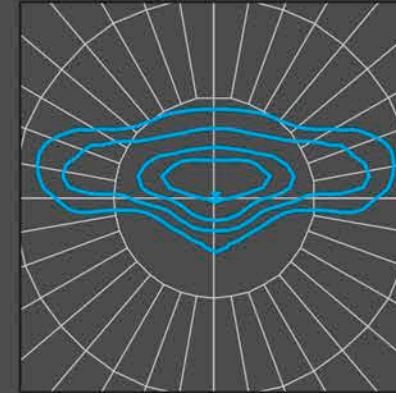
TEST REPORT PERFORMED BY DOW CORNING





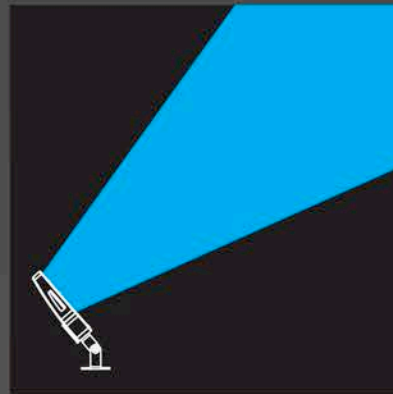
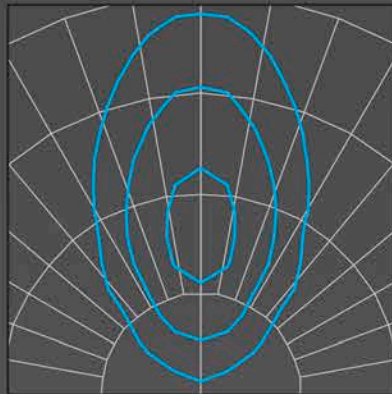
### 15° Very Narrow Beam Optic

The 15° Optic is used for very specific spot lighting. Spot Lighting a statue, a monument, or a piece of art. The NV Floods can be used indoors and outdoors. Pair the 15° Optic with the following Glare Control Options for more dramatic effect. Snoot Short (SNS), Snoot Long (SNL), or Egg Crate Louvers (ECL). These Glare Control Options help reduce glare and focus the viewing angles.



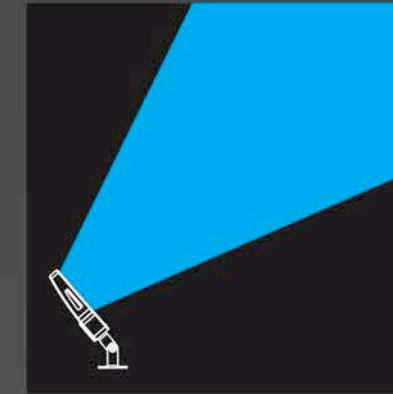
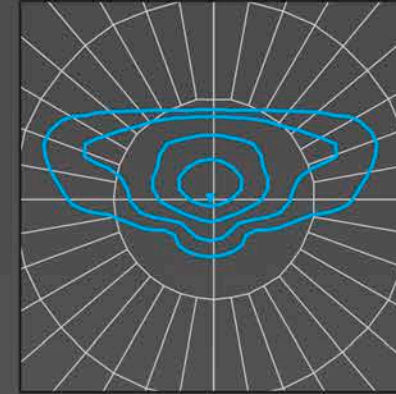
### NEMA 7X5 T2 Flood Optic

The Type II (T2) distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



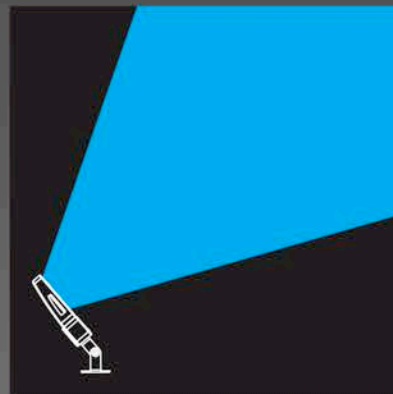
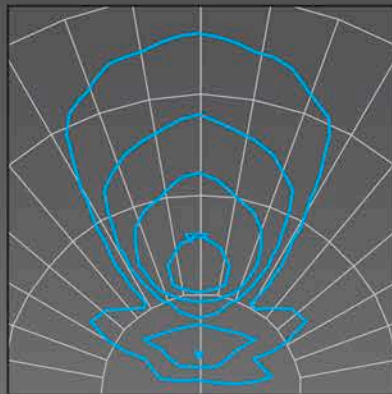
### 30° Narrow Beam Optic

The 30° Optic is used for larger objects and for spot and accent lighting. The 30° is perfect for Flag Lighting, Facade Lighting and great for showcasing Car Dealerships, display pads. Pair the 30° Optic with the following Glare Control Options for more dramatic effect. Snoot Short (SNS), Snoot Long (SNL), or Egg Crate Louvers (ECL). These Glare Control Options help reduce glare and focus the viewing angle.



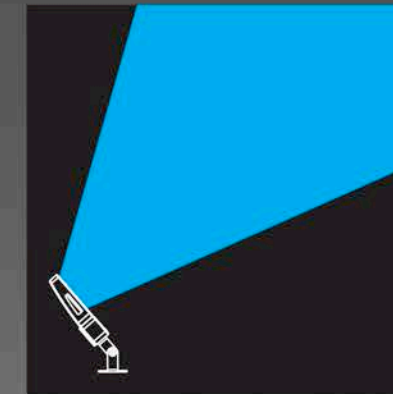
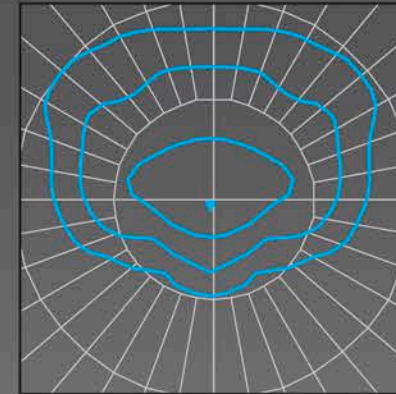
### NEMA 7X6 T3 Flood Optic

The Type III (T3) distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.



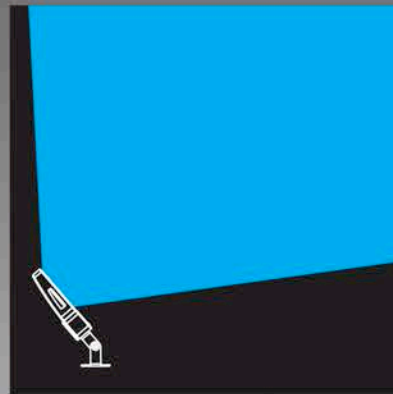
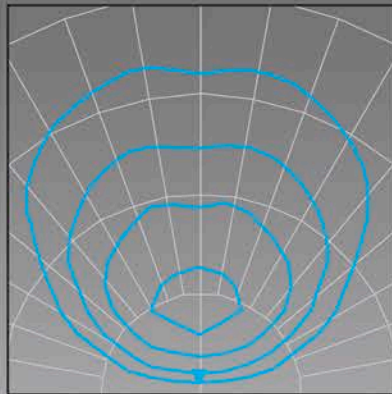
### 55° Medium Beam Optic

The 55° Optic is used for larger objects, flood lighting. The 55° is perfect for Facade Lighting, Landscape and general flood lighting. Pair the 55° Optic with the following Glare Control Options for more dramatic effect. Snoot Short (SNS), Angled Visor (AGV). These Glare Control Options help reduce glare and focus the beam angles.



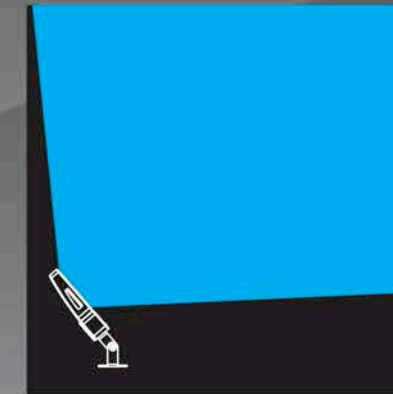
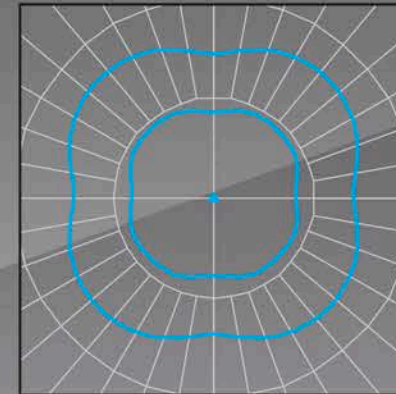
### NEMA 6X6 Forward Throw T4 Flood Optic

The Type IV (T4) distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It is best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90° to 270°.



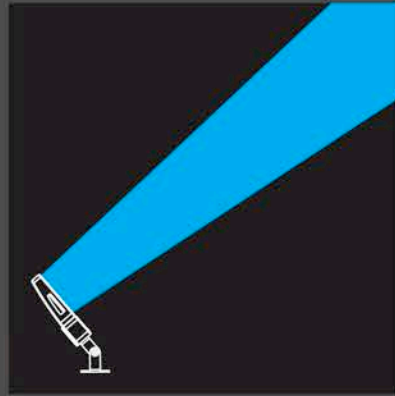
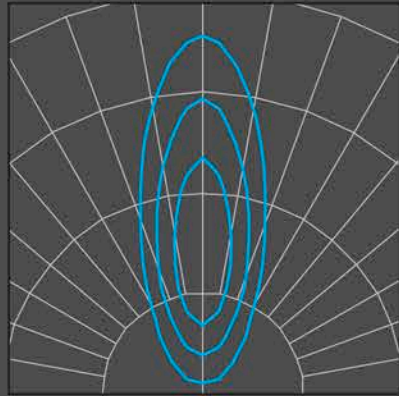
### 85° Wide Flood Optic

The 85° Optic is used for large area and accent lighting. The 85° is perfect for Security Lighting, general flood lighting and area lighting. Pair the 85° Optic with the following Glare Control Options for more dramatic effect. Snoot Small (SNS), Angled Visor (AGV). These Glare Control Options help reduce glare and shield unnecessary light.



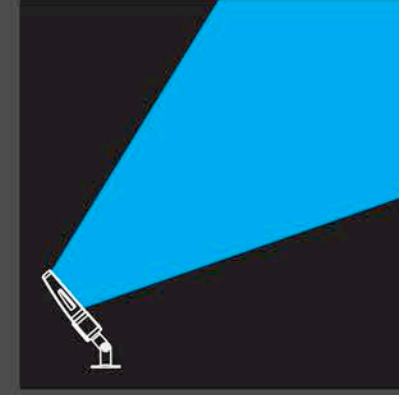
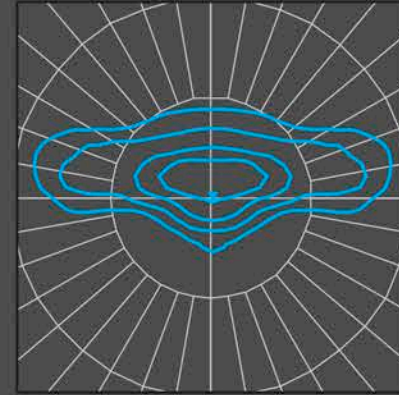
### NEMA 7X7 Symmetrical T5 Flood Optic

The Type V (T5) produces a symmetrical distribution that has the same intensity at all angles. This distribution has a uniform symmetry of candlepower that is essentially the same at all lateral angles. It is meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary.



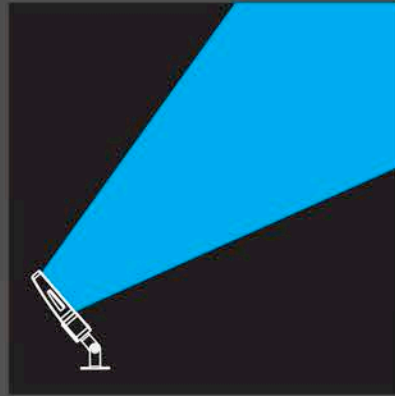
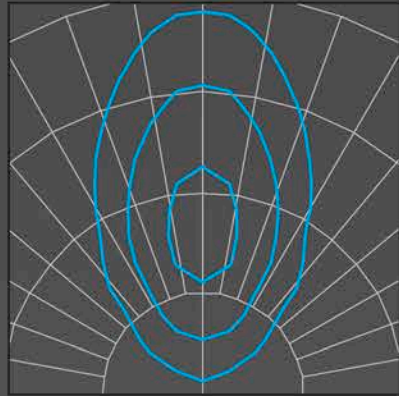
### 15° Very Narrow Beam Optic

The 15° Optic is used for very specific spot lighting. Spot Lighting a statue, a monument, or a piece of art. The NV Floods can be used indoors and outdoors. Pair the 15° Optic with the following Glare Control Options for more dramatic effect. Snoot Short (SNS), Snoot Long (SNL), or Egg Crate Louvers (ECL). These Glare Control Options help reduce glare and focus the viewing angles.



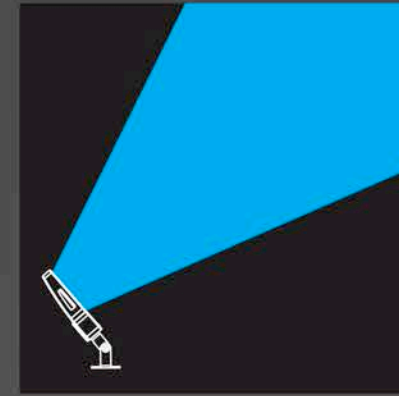
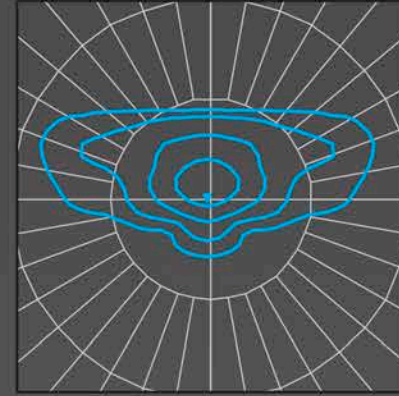
### NEMA 7X5 T2 Flood Optic

The Type II (T2) distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



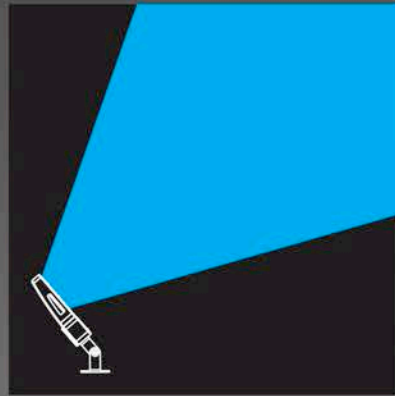
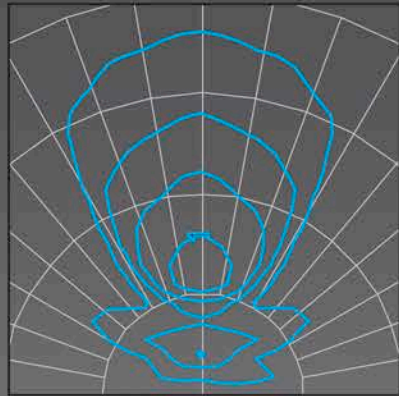
### 30° Narrow Beam Optic

The 30° Optic is used for larger objects and for spot and accent lighting. The 30° is perfect for Flag Lighting, Facade Lighting and great for showcasing Car Dealerships, display pads. Pair the 30° Optic with the following Glare Control Options for more dramatic effect. Snoot Short (SNS), Snoot Long (SNL), or Egg Crate Louvers (ECL). These Glare Control Options help reduce glare and focus the viewing angle.



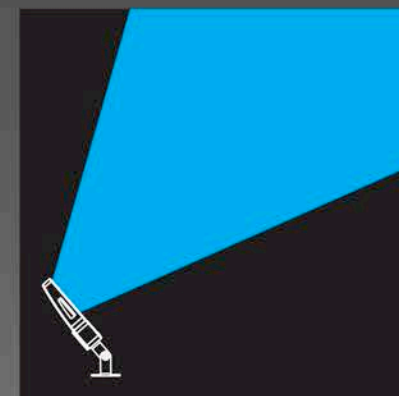
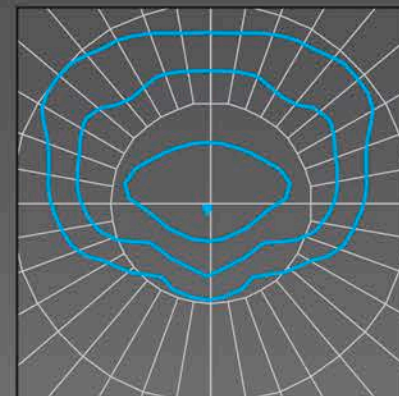
### NEMA 7X6 T3 Flood Optic

The Type III (T3) distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.



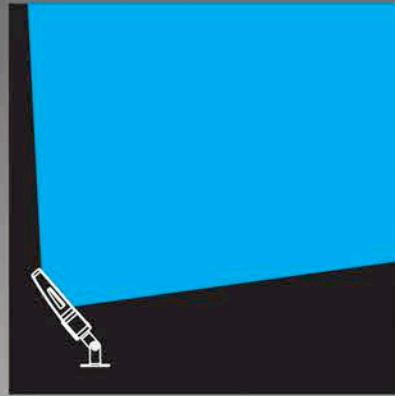
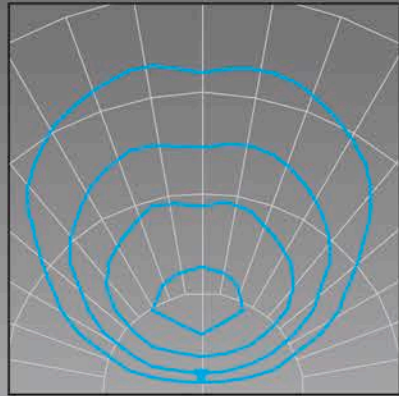
### 55° Medium Beam Optic

The 55° Optic is used for larger objects, flood lighting. The 55° is perfect for Facade Lighting, Landscape and general flood lighting. Pair the 55° Optic with the following Glare Control Options for more dramatic effect. Snoot Short (SNS), Angled Visor (AGV). These Glare Control Options help reduce glare and focus the beam angles.



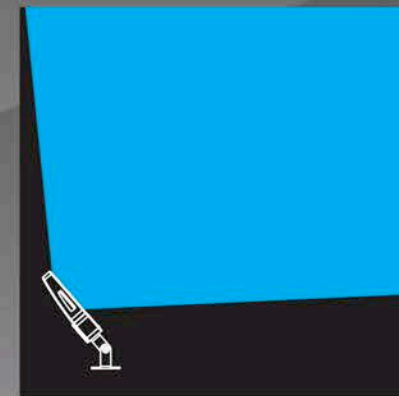
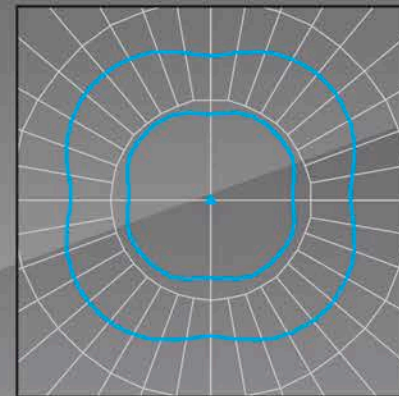
### NEMA 6X6 Forward Throw T4 Flood Optic

The Type IV (T4) distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It is best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90° to 270°.



### 85° Wide Flood Optic

The 85° Optic is used for large area and accent lighting. The 85° is perfect for Security Lighting, general flood lighting and area lighting. Pair the 85° Optic with the following Glare Control Options for more dramatic effect. Snoot Small (SNS), Angled Visor (AGV). These Glare Control Options help reduce glare and shield unnecessary light.



### NEMA 7X7 Symmetrical T5 Flood Optic

The Type V (T5) produces a symmetrical distribution that has the same intensity at all angles. This distribution has a uniform symmetry of candlepower that is essentially the same at all lateral angles. It is meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary.





**Barn Doors (BAD)**

The Barn Doors is field adjustable beam angle control. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (BAD) is field installable.

**Cutoff Angle - Adjustable**



**Snoot Long (SNL)**

Snoot in short or long options for Full Cutoff precision spot lighting. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (SNS) & (SNL) is field installable.

**Cutoff Angle - 35°**



**Egg Crate Louver (ECL)**

The Egg Crate Louver is designed for Extreme Glare Control. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (ECL) is field installable.

**Cutoff Angle - 54°**



**Snoot Short (SNS)**

Snoot in short or long options for Full Cutoff precision Spot Lighting. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (SNS) & (SNL) is field installable.

**Cutoff Angle - 54°**



**Angled Visor (AGV)**

The Angled Visor is designed for minimal glare control. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (AGV) is field installable.

**Cutoff Angle - 0° - 54°**



**House Side Shield (HSS)**

House Side Shield (HSS) is designed for full property line cut off. Injection Molded Glass Filled Nylon. Standard color is black.

**Cutoff Angle - Property Line**



### Barn Doors (BAD)

The Barn Doors is field adjustable beam angle control. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (BAD) is field installable.

**Cutoff Angle - Adjustable**



### Egg Crate Louver (ECL)

The Egg Crate Louver is designed for Extreme Glare Control. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (ECL) is field installable.

**Cutoff Angle - 54°**



### Angled Visor (AGV)

The Angled Visor is designed for minimal glare control. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (AGV) is field installable.

**Cutoff Angle - 0° - 54°**



### Snoot Long (SNL)

Snoot in short or long options for Full Cutoff precision spot lighting. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (SNS) & (SNL) is field installable.

**Cutoff Angle - 35°**



### Snoot Short (SNS)

Snoot in short or long options for Full Cutoff precision Spot Lighting. Laser cut precision formed aluminum construction. Powder Coated flat black as standard. The (SNS) & (SNL) is field installable.

**Cutoff Angle - 54°**



### House Side Shield (HSS)

House Side Shield (HSS) is designed for full property line cut off. Injection Molded Glass Filled Nylon. Standard color is black.

**Cutoff Angle - Property Line**

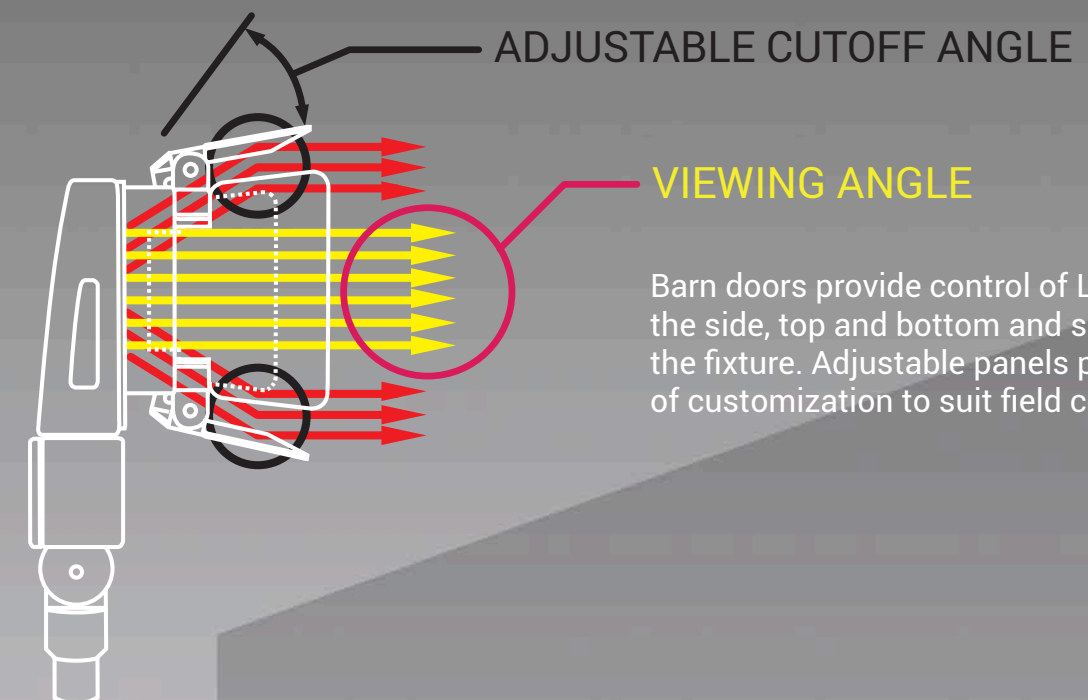
**BARN DOORS (BAD)**

Barn Doors are field adjustable Glare Control. Laser cut; precision die formed aluminum construction. Powder Coated flat black as standard. The **(BAD)** are field installable with the simplicity of (2) Factory provided #10 Stainless Steel, Black Oxide, pan head, Philips drive thread forming screws into the NV-F1 or NV-F2's pre designated non threaded hole.

Barn Doors are typically used for field adjustable Glare Control. They have endless flexibility to design and allow adjustability when needed. Barn Doors suggested Optics, 30°, 55° and 85° Beam Angles.

**Applications include:**

- Landscape Lighting
- Flood Lighting
- Flag Lighting
- Facade Lighting
- Monument and Statue Lighting
- Parking Lot or General Area Lighting
- Security Lighting



Barn doors provide control of LED visibility from the side, top and bottom and slightly in front of the fixture. Adjustable panels provide a degree of customization to suit field conditions.

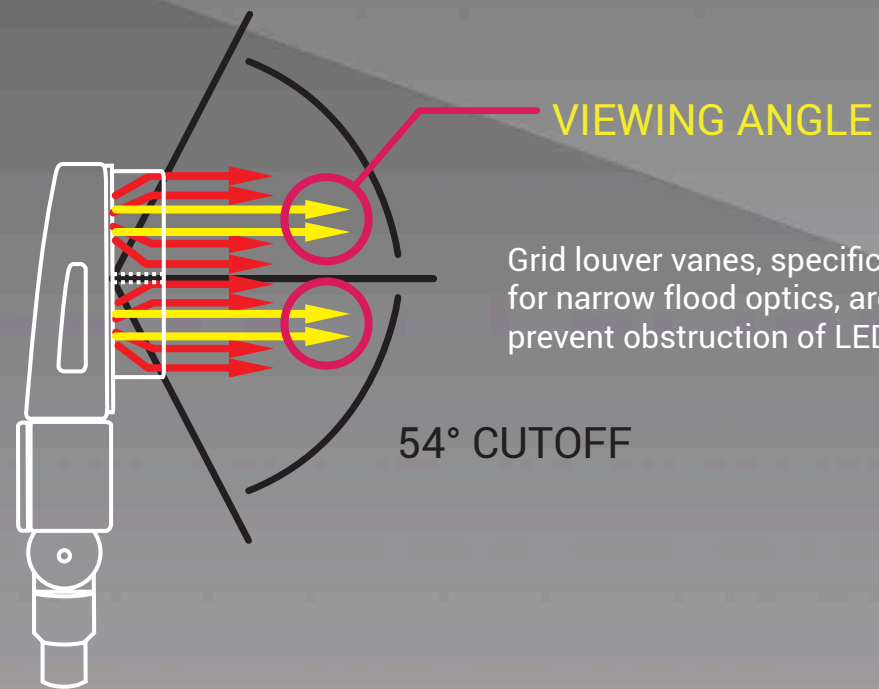
**EGG CRATE LOUVER (ECL)**

The Egg Crate Louvers are fixed Glare Control for applications requiring stringent Glare Control. Laser cut; precision die formed aluminum construction. Powder Coated flat black as standard. The ECL are field installable with the simplicity of (2) Factory provided #10 Stainless Steel, Black Oxide, pan head, Philips drive thread forming screws into the NV-F1 or NV-F2's pre designated non threaded hole.

Egg Crate Louver are typically used for stringent Glare Control. They have endless flexibility to design. Egg Crate Louvers give a tight beam angle minimizing the glare of the NV-F Family of Flood Lights. The perfect solution for property full cutoff requirements. Egg Crate Louver are typically used with the suggested Optics: 15°, 30° and 55° Beam Angles.

**Applications include:**

- Landscape Lighting
- Flood Lighting
- Flag Lighting
- Facade Lighting
- Monument and Statue Lighting



Grid louver vanes, specifically designed for narrow flood optics, are angled to prevent obstruction of LED output.





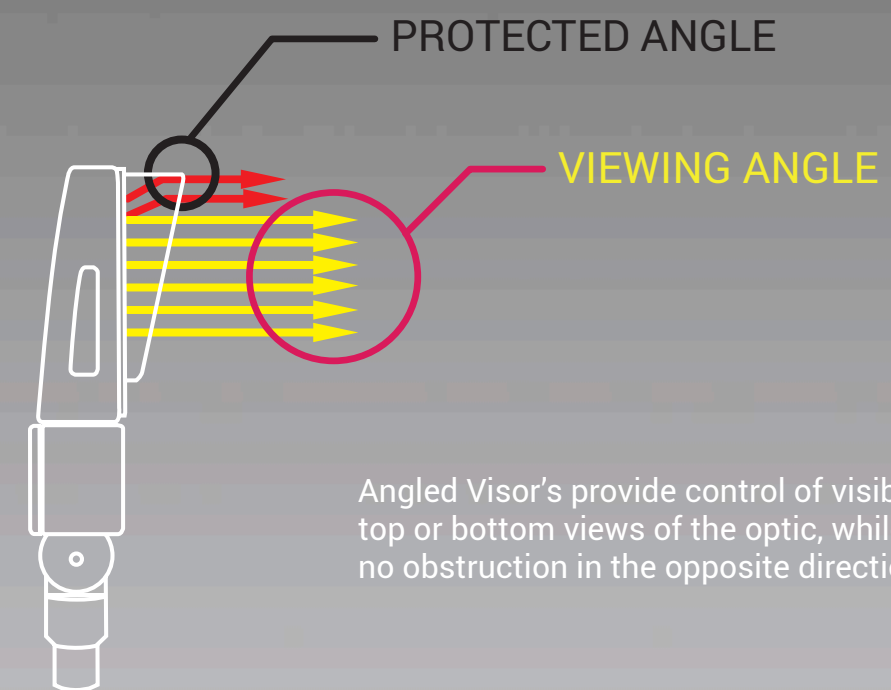
**ANGLED VISOR (AGV)**

The Angled Visor (**AGV**) are fixed Glare Control for shielding applications requiring minimal Glare Control. Laser cut; precision die formed aluminum construction. Powder Coated flat black as standard. The AGV's are field installable with the simplicity of (2) Factory provided #10 Stainless Steel, Black Oxide, pan head, Philips drive thread forming screws into the NV-F1 or NV-F2's pre designated non threaded hole.

Angled Visor (**AGV**) are typically used for minimal Glare Control, creating full cutoff when install in the horizontal position. Angled Visor's give a nice cutoff to the beam angle minimizing the glare of the NV-F Family of Floodlights. The perfect solution for property full cutoff requirements. Angled Visor's (**AGV**) are Typically used with the suggested Optics: 55° and 85° Beam Angles as well as IES types: Type II, Type III, Type IV, and Type V.

**Applications include:**

- Parking Lot or General Area Lighting
- Security Lighting
- Flood Lighting
- Building or Facade Lighting
- Sign Lighting



Angled Visor's provide control of visibility from top or bottom views of the optic, while producing no obstruction in the opposite direction.

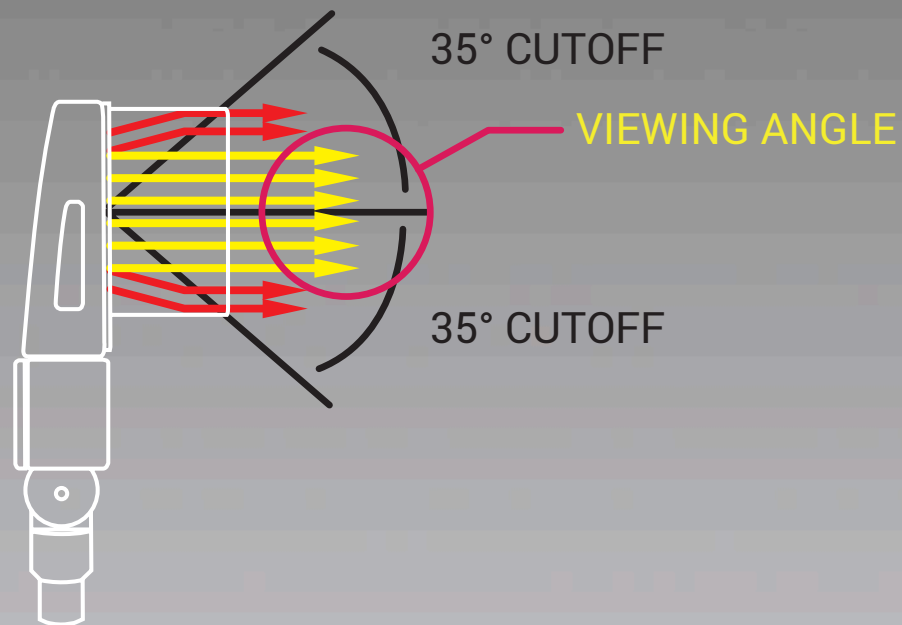
**Snoot Long (SNL)**

The Snoot Long (SNL) are fixed Glare Control for shielding applications requiring Maximum Glare Control. Laser cut; precision die formed aluminum construction. Powder Coated flat black as standard. The SNL are field installable with the simplicity of (2) Factory provided #10 Stainless Steel, Black Oxide, pan head, Philips drive thread forming screws into the NV-F1 or NV-F2's pre designated non threaded hole.

Snoot Long (SNL) are typically used for maximum Glare Control, creating full cutoff when install in the horizontal position. Snoot Long gives a nice cut off to the beam angle minimizing the glare of the NV-F Family of Flood Lights. The perfect solution for Spot or directional Lighting. Snoot Long (SNL) are typically used with the suggested Optics: 15°, 30°, 55° and 85° Beam Angles.

**Applications include:**

- Monument or Statue Lighting
- Landscape Lighting
- Security Lighting
- Flood Lighting
- Building or Facade Lighting
- Sign Lighting



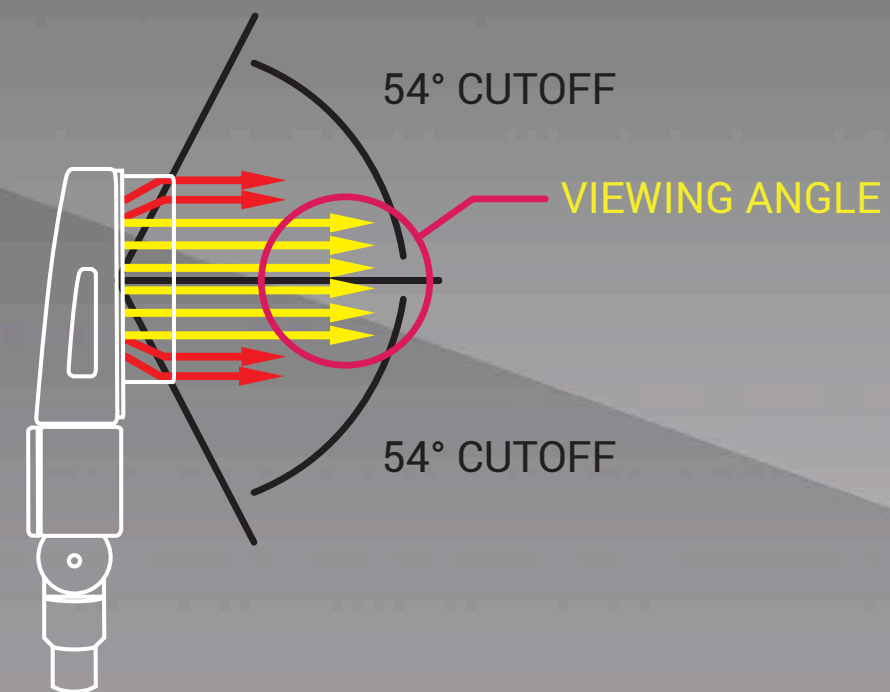
**Snoot Short (SNS)**

The Snoot Short (**SNS**) are fixed Glare Control for shielding applications requiring medium Glare Control. Laser cut; precision die formed aluminum construction. Powder Coated flat black as standard. The (**SNS**) are field installable with the simplicity of (2) Factory provided #10 Stainless Steel, Black Oxide, pan head, Philips drive thread forming screws into the NV-F1 or NV-F2's pre designated non threaded hole.

Snoot Short (**SNS**) are Typically used with the suggested Optics: 15°, 30°, 55° and 85° Beam Angles.

**Applications include:**

- Monument or Statue Lighting
- Landscape Lighting
- Security Lighting
- Flood Lighting
- Building or Facade Lighting
- Sign Lighting



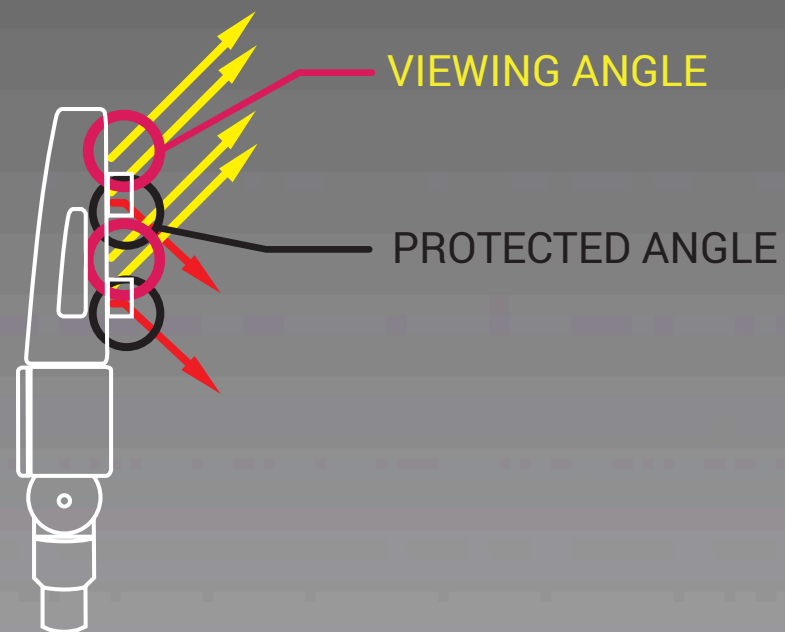
### House Side Shield (HSS)

House Side Shield (**HSS**) is designed for stringent property line cutoff. The typical applications include parking lots, security lighting and general area lighting. The HSS is used when stringent lighting trespass is required.

Injection Molded Glass Filled Nylon, standard color is black.

#### Applications include:

- Parking Lots
- Security Lighting
- General Area Lighting





# KELVIN TEMPERATURE

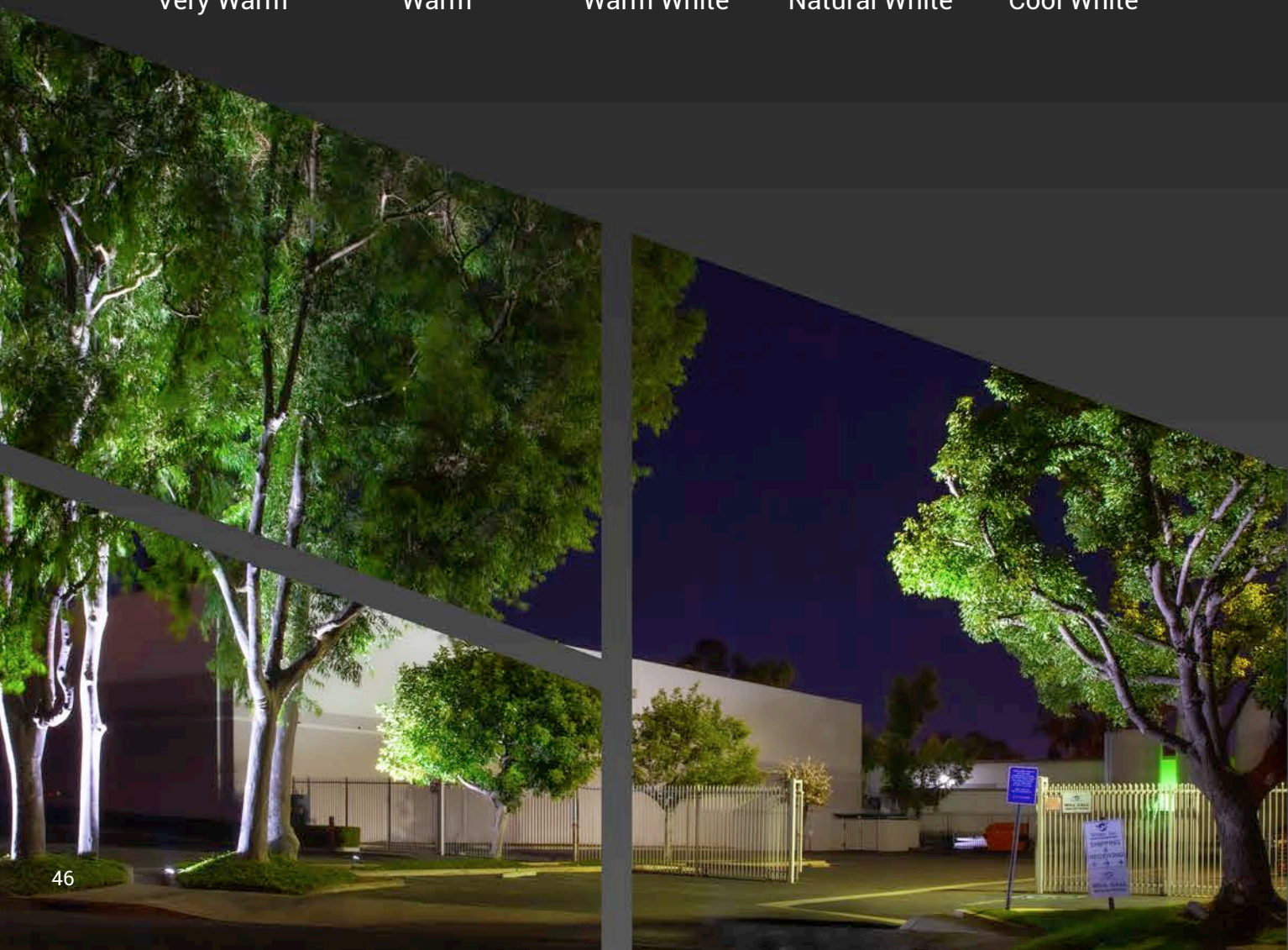
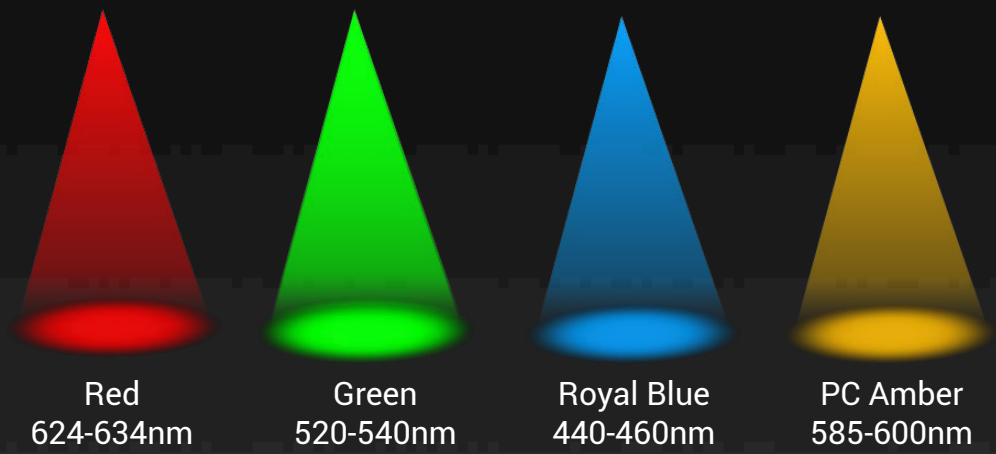
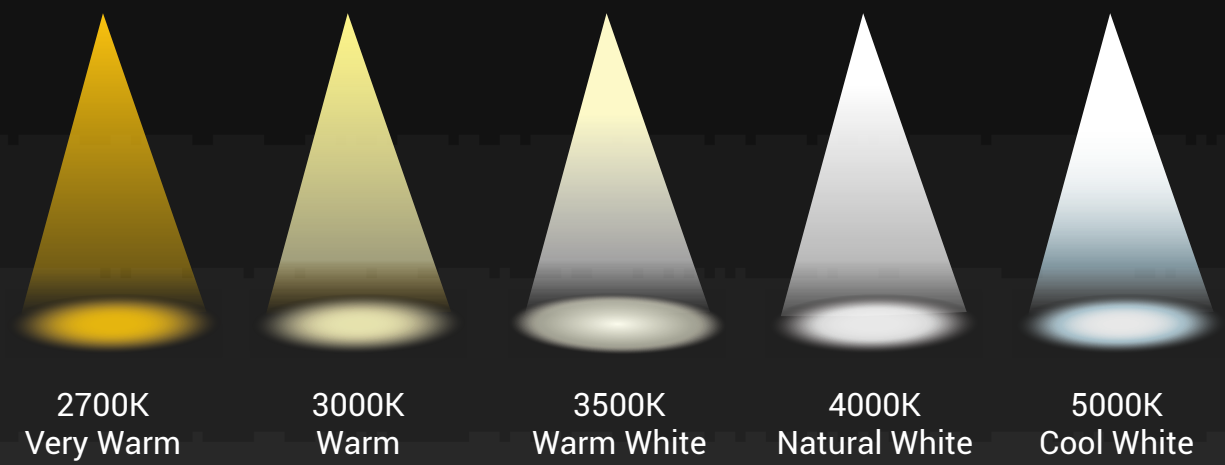
# COLOR OPTIONS

## EXPLORE THE SPECTRUM

5 Different color temperatures available as standard. Options range from Very Warm to Cool White. Different color temperatures make your projects stand out. Design red brick facades with 3000 Kelvin to enrich color and highlight texture.

## COLORIZE TO YOUR ADVANTAGE

Adding a glow of color to any application can create a powerful atmosphere. Enhance your project. Common applications include: buildings, bridges, structures, branding, decorative landscaping and plazas.



### **BUTTON TYPE PHOTO CELL (PC)**

Title 24 made easy! 120V - 277V Micro Photo Cell for dusk to dawn operation.



### **DIMMABLE DRIVERS**

The NV-F1 and NV-F2 both come standard with a 0-10v dimming driver. You must specify (DL) for dimming leads to exit the fixture.



### **5 CONDUCTOR DIMMING LEADS**

Specify Dimming Leads (DL) for external dimming control panels, external junction box or remote dimming control by others.

### **DIMMING CONTROL (DCX)**

Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.

- All control parameters adjustable via mobile app with remote storing and transmitting sensor profiles.
- DC8 mounting heights 8 feet and below
- DC20 mounting heights 9-20 feet
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.



### **UNIVERSAL MAGIC MOUNT (UMM)**

The (UMM) allows Knuckle and Trunnion Mount for a single fixture and thru-conduit 1/2" or 3/4". The (UMM) was designed for universal mounting to walls, ceilings, trees, poles, parapets, and eaves.

#### **Applications include:**

- Trees and Landscape
- Security Lighting
- Facades and Entry Ways
- Monument and Sign Lighting
- Wall/Ceiling Mounted Applications
- Retrofit Applications



**STANCHION POST (STP)**

3" O.D. Post for use with the KMS3 and TMS3 Stanchion Cap options. Available in 12", 24" and 36" lengths. Consult factory for additional offerings.

**Applications include:**

- Landscape Lighting
- Flood Lighting
- Flag Pole Lighting
- Wall Washing
- Sign Lighting
- Facade Lighting
- Automotive Dealership Display Pad
- Up Lighting



**FORM AND FUNCTION**

- Sleek, die-cast low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Reduces energy consumption and costs up to 65%

**RELIABILITY**

- IP66 Rated
- Silicone Optics
- IK10 Rated Optics

The innovative NV Flood Series is a high-powered, corrosion resistant, low copper, die-cast aluminum luminaire.

Thermal management is handled with a separate driver housing and LED light engine heat-sink. Heat-sink cooling fins are designed with a thermal gap for longer LED/Driver life.

The NV-F1 comes in a single 16L configuration with 5 Kelvin color temperatures 2700K, 3000K, 3500K, 4000K and 5000K. 4 Static LED color options available for a splash of color.

Silicone optical distribution patterns include 15° Very Narrow Beam, 30° Narrow Beam, 55° Medium Beam, 85° Wide beam, 7X5 NEMA T2 Distribution, 7X6 T3 NEMA Distribution, Forward Throw NEMA 6X6 T4, and a Symmetrical NEMA 7X7 T5.

Mounting options include 1/2" NPT Knuckle Mount or Trunnion Mount. Knuckle Mount and Trunnion Mount are available with Stanchion Caps to fit over 2 3/8", 3" and 4" diameter Stanchions or Tenons.

Other mounting options include Universal Magic Mount (UMM) and 4" Round J Box Mount (JBRK) (JBRK).

Glare control options include the House Side Shield(HSS), Egg Crate Louver Shield(ECL), Barn Doors(BAD), Angled Visor(AGV), Small and Large Snoot(SNS)(SNL).

Other options include Tamper Proof Hardware, 5 Conductor Dimming Leads.

Applications include:

- Sign Lighting
- Building Facades
- Landscape
- Wall Washing
- Up Lighting
- Security Lighting Residential Commercial
- Parking
- Flag Pole
- Merchandising
- Billboard
- Indirect Lighting
- Display Pad
- Transportation

IP66 Rated for any direction or angle of Flood Lighting.



Project Name:

Type:

**NV-F1 ORDERING GUIDE**

Cat#	Optics	No. of LEDs	Watts	Kelvin Temp		Volts
NVF Single Module (NV-F1)	15° (15) Very Narrow	16 (16L)	20W (20W)	2700K, 80 CRI (27K8)	Red 624-634nm (RED)	120-277 (UNV)
	30° (30) Narrow Beam		25W (25W)	3000K, 70 CRI (30K7)	Amber 585-600nm (AMBER)	
	55° (55) Medium Beam		35W (35W)	3000K, 80 CRI (30K8)	Green 520-540nm (GREEN)	
	85° (85) Wide Beam		45W (45W)	3500K, 80 CRI (35K8)	Royal Blue 440-460nm (BLUE)	
	IES T2 / NEMA 7Hx5V (T2)		4000K, 70 CRI (40K7)			
	IES T3 / NEMA 7Hx6V (T3)	4000K, 80 CRI (40K8)				
	Forward Throw (T4)	5000K, 70 CRI (50K7)				
	Symmetrical (T5)	5000K, 80 CRI (50K8)				

Mounting	Mounting Accessories	Glare Control Options	Color	Options
Knuckle Mount 1/2" NPT (KM)	<b>Stanchion Caps</b> Stanchion Cap for Knuckle Mount (KMS2) 2 3/8" ID Stanchion Cap	<b>Stanchion Post</b> 12" Length (STP12) 24" Length (STP24) 36" Length (STP36) Custom Length (STPX)	Bronze Textured (BRZ)	Button Photocell (PC)
Trunnion Mount (TM)	Stanchion Cap for Knuckle Mount (KMS3) With 3" ID Stanchion Cap Stanchion Cap for Knuckle Mount (KMS4) With 4" ID Stanchion Cap Stanchion Cap for Trunnion Mount (TMS2) With 2 3/8" ID Stanchion Cap Stanchion Cap for Trunnion Mount (TMS3) With 3" ID Stanchion Cap Stanchion Cap for Trunnion Mount (TMS4) With 4" ID Stanchion Cap	Universal Magic Mount (UMM) UMM Must be ordered with KM or TM 4" Round J-Box Mount for Trunnion (JBRK) 4" Round J-Box Mount for Knuckle (JBRK) No Mounting Accessories (NA)	White Textured (WHT)	Tamper Proof Hardware (TPH)
		Barn Doors (BAD) Egg Crate Louver (ECL) Angled Visor (AGV) Snoot Short (SNS) Snoot Long (SNL) House Side Shield (HSS) No Glare Control (NGC)	Smooth White Gloss (SWT) Silver Textured (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey (GRY) Custom (CS)	5 Conductor Dimming Leads (DL) No Options (NA)

- Notes:**
- ① Static Colors available up to 25 Watts
  - ② Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
  - ③ Standard finish is stainless steel. Can be painted to match fixture
  - ④ STP Must be ordered with KMS3 or TMS3
  - ⑤ Universal Voltage 120-277
  - ⑥ 15° Very Narrow Optic not available with Egg Crate Louver



**FORM AND FUNCTION**

- Sleek, die-cast low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Reduces energy consumption and costs up to 65%

**RELIABILITY**

- IP66 Rated
- Silicone Optics
- IK10 Rated Optics

The innovative NV Flood Series is a high-powered, corrosion resistant, low copper, die-cast aluminum luminaire.

Thermal management is handled with a separate driver housing and LED light engine heat-sink. Heat-sink cooling fins are designed with a thermal gap for longer LED/Driver life

The NV-F2 comes in a double 32L configuration with 5 Kelvin color temperatures 2700K, 3000K, 3500K, 4000K and 5000K. 4 Static LED color options available for a splash of color.

Silicone optical distribution patterns include 15° Very Narrow Beam, 30° Narrow Beam, 55° Medium Beam, 85° Wide beam, 7X5 NEMA T2 Distribution, 7X6 T3 NEMA Distribution, Forward Throw NEMA 6X6 T4, and a Symmetrical NEMA 7X7 T5.

Mounting options include 1/2" NPT Knuckle Mount or Trunnion Mount. Knuckle Mount and Trunnion Mount are available with Stanchion Caps to fit over 2 3/8", 3" and 4" diameter Stanchions or Tenons.

Other mounting options include Universal Magic Mount (UMM) and 4" Round J Box Mount (JBRK).

Glare control options include the House Side Shield, Egg Crate Louver Shield, Barn Doors, Angled Visor, small and large Snoot.

Other options include Tamper Proof Hardware, 5 Conductor Dimming Leads and 4" Round J-Box Mount.

Applications include:

- Sign Lighting
- Building Facades
- Landscape
- Wall Washing
- Up Lighting
- Security Lighting
- Residential Commercial
- Parking
- Flag Pole
- Merchandising
- Billboard
- Indirect Lighting
- Display Pad
- Transportation

IP66 Rated for any direction or angle of Flood Lighting.



Project Name:

Type:

**NV-F2 ORDERING GUIDE**

Cat#	Optics	No. of LEDs	Watts	Kelvin Temp		Volts
NVF Double Module (NV-F2)	15° (15) Very Narrow	32 (32L)	50W (50W)	2700K, 80 CRI (27K8)	Red 624-634nm (RED)	120-277 (UNV)
	30° (30) Narrow Beam		60W (60W)	3000K, 70 CRI (30K7)	Amber 585-600nm (AMBER)	
	55° (55) Medium Beam		70W (70W)	3000K, 80 CRI (30K8)	Green 520-540nm (GREEN)	
	85° (85) Wide Beam		80W (80W)	3500K, 80 CRI (35K8)	Royal Blue 440-460nm (BLUE)	
	IES T2 / NEMA 7Hx5V (T2)		4000K, 70 CRI (40K7)			
	IES T3 / NEMA 7Hx6V (T3)	4000K, 80 CRI (40K8)	5000K, 70 CRI (50K7)			
	Forward Throw (T4)	5000K, 80 CRI (50K8)				
	Symmetrical (T5)					

Mounting	Mounting Accessories	Glare Control Options	Color	Options	
Knuckle Mount 1/2" NPT (KM)	<b>Stanchion Caps</b> Stanchion Cap for Knuckle Mount (KMS2) 2 3/8" ID Stanchion Cap Stanchion Cap for Knuckle Mount (KMS3) With 3" ID Stanchion Cap Stanchion Cap for Knuckle Mount (KMS4) With 4" ID Stanchion Cap Stanchion Cap for Trunnion Mount (TMS2) With 2 3/8" ID Stanchion Cap Stanchion Cap for Trunnion Mount (TMS3) With 3" ID Stanchion Cap Stanchion Cap for Trunnion Mount (TMS4) With 4" ID Stanchion Cap	<b>Stanchion Post</b> 12" Length (STP12) 24" Length (STP24) 36" Length (STP36) Custom Length (STPX) Universal Magic Mount (UMM) UMM Must be ordered with KM or TM 4" Round J-Box Mount for Trunnion (JBRK) 4" Round J-Box Mount for Knuckle (JBRK) No Mounting Accessories (NA)	Barn Doors (BAD) Egg Crate Louver (ECL) Angled Visor (AGV) Snoot Short (SNS) Snoot Long (SNL) House Side Shield (HSS) No Glare Control (NGC)	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver Textured (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey (GRY) Custom (CS)	Button Photocell (PC) FSP-211 with Motion Sensor (FSP-8) 8' Heights and Below (FSP-20) *9'-20" Heights (DC-20) For 9'-20' Heights Tamper Proof Hardware (TPH) 5 Conductor Dimming Leads (DL) No Options (NA)

- Notes:**
- ① Static Colors available up to 50 Watts
  - ② Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
  - ③ Standard finish is stainless steel. Can be painted to match fixture
  - ④ STP Must be ordered with KMS3 or TMS3
  - ⑤ Universal Voltage 120-277
  - ⑥ 15° Very Narrow Optic not available with Egg Crate Louver



SCAN ME

**NLS**  
LIGHTING

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**#theultimateflood**