

# BL neonVIEW PIXEL DOME SI

Diffused, Flexible, Linear LED Lighting,  
24VDC, Constant Voltage  
Dome Profile, Silicone, Color Chasing



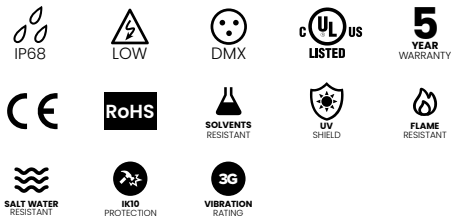
BL neonVIEW PIXEL DOME SI has a standard fully flexible Silicone encapsulated diffuser and is rated for a range of operating temperatures from -40° F to 131° F (-40° C to 55° C) for sustained ability to weather the elements, even in the most extreme environmental conditions. Create expressive motion, chase, and pixel effects beyond RGBW color changing and fading, allowing for dynamic animations and mesmerizing lighting displays.

Dot-free Seamless connections Wide 270 ° viewing angle

-40°F to 131°F (-40°C to 55°C) Color Chasing

|              |  |
|--------------|--|
| CLIENT       |  |
| PROJECT NAME |  |
| LOCATION     |  |
| DATE         |  |

## Product Detail



|                |                       |  |
|----------------|-----------------------|--|
| Lighting       | Lamp                  | LED, SMD 5050  |
|                | LED's Per Foot        | 17 LEDs/ft (56 LEDs/m)   |
|                | Beam Angle            | 160°   |
|                | Average Life          | 50,000 Hours   |
| Electrical     | Controls              | DMX  |
|                | Input Voltage         | 24VDC  |
|                | Max Input Current     | 4.12A  |
|                | Connections           | 18AWG, Copper Conductors                                       |
|                | Power Cable Length    | Standard 10ft (3m). Also available in 16ft (5m) and 32ft (10m) |
| Mechanical     | Circuit               | Class 2  |
|                | Housing Construction  | Injection Moulded White Silicone                               |
|                | Minimum Bend Radius   | 2.25" (60mm)   |
|                | Operating Temperature | -40°F to 131°F (-40°C to 55°C)                                 |
| Environmental  | Ingress Protection    | IP68   |
|                | Impact Protection     | IK10   |
|                | Vibration Rating      | 3G   |
|                | Resistance            | UV, Flame, Solvents and Saltwater Resistant                    |
| Certifications |                       | cULus, CE, RoHS Compliant                                      |

## Performance

| CCT/Color   |              | RGB             | RGBW (2700K)        | RGBW (3000K) | RGBW (4000K) |
|-------------|--------------|-----------------|---------------------|--------------|--------------|
| Power       | W/FT (W/m)   | 3.66 (12)       | 4.57 (15)           |              |              |
| Lumens      | lm/FT (lm/m) | 52 (170)        | 86 (282)            | 86 (282)     | 86 (282)     |
| Efficacy    | lm/W         | 14              | 19                  | 19           | 19           |
| CRI         | CRI          | -               | 80 (white LED only) |              |              |
| Increment   | inch (mm)    | 4.92 (125)      |                     |              |              |
| Max. Length | ft (m)       | 24ft 6in (7.5m) | 19ft 6in (5.95m)    |              |              |

## Ordering

| Product Code         | Color        | Lead Orientation |                   | Mounting Accessories* |                             |
|----------------------|--------------|------------------|-------------------|-----------------------|-----------------------------|
| BL neonVIEW IC DM SI |              |                  |                   |                       |                             |
|                      | RGB          | NVS IC DM BC 68  | = Back Lead       | NV CPS                | = Mounting Clip             |
|                      | RGBW (2700K) | NVS IC DM EC 68  | = End Lead        | NV CHS                | = Mounting Channel          |
|                      | RGBW (3000K) | NVS IC DM RC 68  | = Right Side Lead | NV RCPS               | = Recessed Mounting Clip    |
|                      | RGBW (4000K) | NVS IC DM LC 68  | = Left Side Lead  | NV RCHS               | = Recessed Mounting Channel |
|                      |              |                  |                   | NV FCHS AL            | = Flexible Mounting Channel |

\* Stainless steel and composite mounting options are also available.

### BL LIGHTING ILLUMINATE EVERYTHING

111 - 8838 Heather St. Vancouver, BC, Canada. V6P 3S8  
P: 1-804-874-4405 E: info@bllighting.com  
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Solid State Lighting is sensitive to power fluctuations. Surge protection is highly recommended for all LED lighting products and should be on a dedicated circuit to protect against premature failure. Lack of surge protection may void your warranty.

Designed & Assembled in North America.

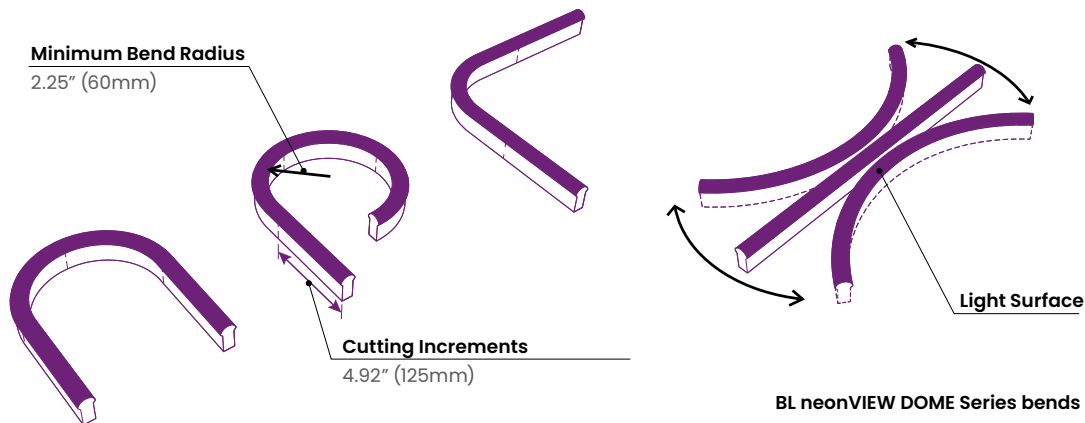
Specifications subject to change without notice. Please refer to our website at bllighting.com for current technical data.

For more information,  
please download the  
BL LIGHTING catalog

bllighting.com



## Minimum Bend Radius and Bend Orientation

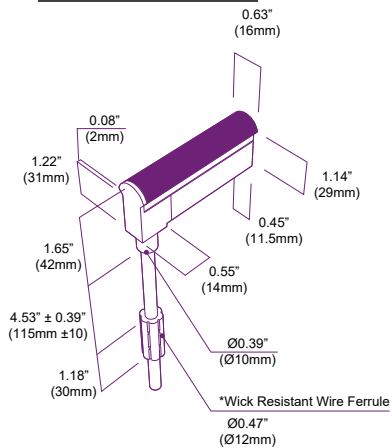


**BL neonVIEW DOME Series bends horizontally**  
Vertical bend option available on BL neonVIEW SIDE Series

## Dimensions & Lead Orientations

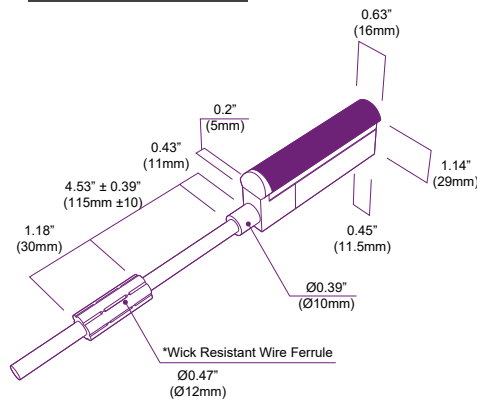
### Back Lead

#### NVS IC DM BC 68

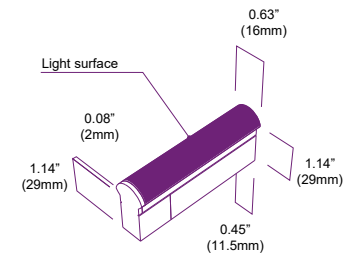


### End Lead

#### NVS IC DM EC 68

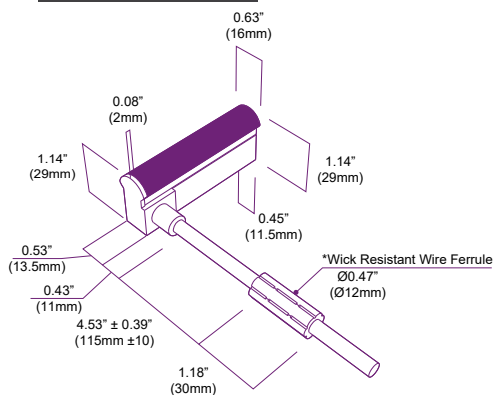


### End Cap



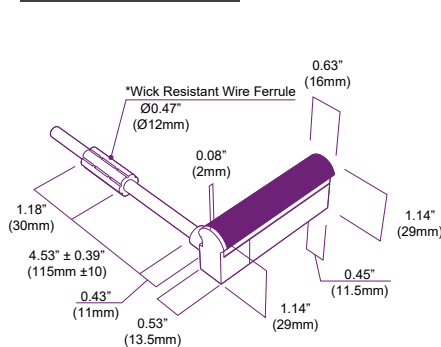
### Right Side Lead

#### NVS IC DM RC 68



### Left Side Lead

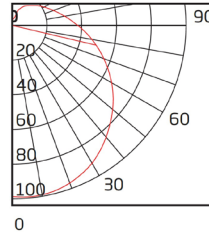
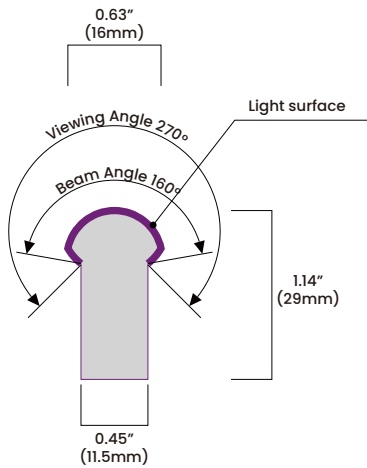
#### NVS IC DM LC 68



\*The Wick Resistant Wire Ferrule is built into the lead wire, 4.5" (115mm) from the BL neonVIEW Termination Connection, for additional moisture ingress protection. Removal of the Wick Resistant Wire Ferrule may void your warranty.



## Beam Angle & Viewing Angle



Unit: cd  
C90/270

Average Beam Angle (50%): 151.1°

