

# Plexineon Color Series

(Blue, Green, Magenta, Rose, Teal, Yellow)

## PRODUCT SUMMARY



## PRODUCT FEATURES

- Bright, even-toned color
- Durable construction
- Long life
- Energy efficient
- Low voltage
- Easy to install
- Cool to the touch
- For use as exterior or interior accent lighting, direct view or indirect view applications, coves

### Light Colors

- Blue
- Green
- Magenta\*
- Rose\*\*
- Teal
- Yellow\*\*\*

### Diffuser Color (when not illuminated)

- Frosted
- Red\*
- Light Pink\*\*
- Yellow\*\*\*

### Lengths Available

- Standard Lengths: 2', 4', 6', 8'
- (610 mm, 1219 mm, 1830 mm, 2438 mm)
- Factory custom lengths available to the nearest 1/2" (13mm) +/- 0.25" (6mm)<sup>1</sup>
- 2' (610mm) field cuttable pieces
- Illuminated outside corner pieces
- Factory convex or concave bends to minimum inside radius of 5" (127mm)
- Factory "easy bends" to a 3/16" (5mm) radius<sup>1</sup>
- Gentle field bends to a 48" (1219mm) radius<sup>2</sup>

1. Drawing required for production

2. Field bending allowed only on fixture without C-channel

### Power Supply

- Class 2, 24 VDC, 100 Watts - must be supplied by iLight
- Primary voltage: 120 or 120-277 depending on model
- Secondary voltage: 24VDC 4.1 A Max
- Maximum illumination length of a single 100W power supply 32 feet (9.75m)

### Power Supply Tips

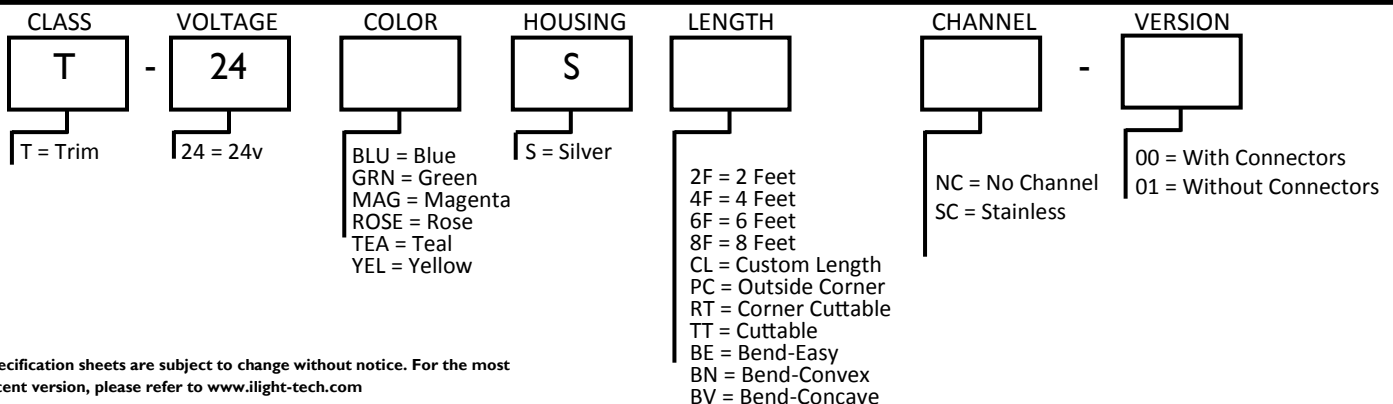
- 20% overage for breaker for primary current draw
- Do not plug multiple power supplies into one run of Plexineon
- All iLight power supplies should be on an independent circuit
- Recommend surge protection upstream from power supply
- Verify correct voltage prior to wiring to non-switching power supplies

### Low Voltage Cable

Maximum distance of low voltage cable in any given run:

- 14 AWG: 40 feet (12.19m)
- 12 AWG: 60 feet (18.29m)
- 10 AWG: 100 feet (30.48m)

## ORDERING INFORMATION

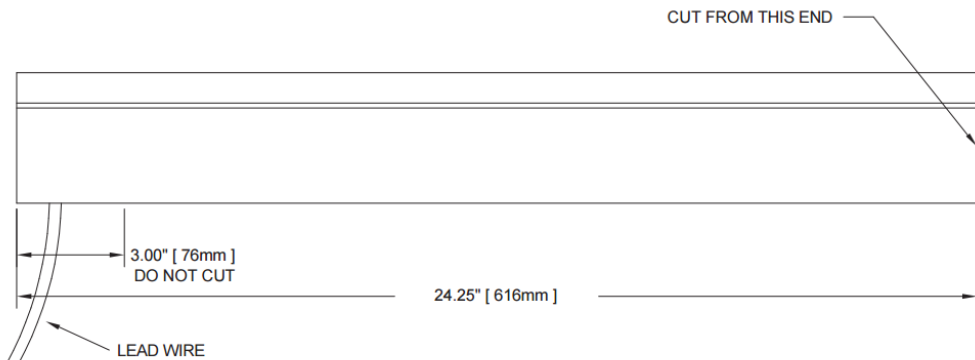


Specification sheets are subject to change without notice. For the most recent version, please refer to [www.ilight-tech.com](http://www.ilight-tech.com)

# Plexineon Color Series

(Blue, Green, Magenta, Rose, Teal, Yellow)

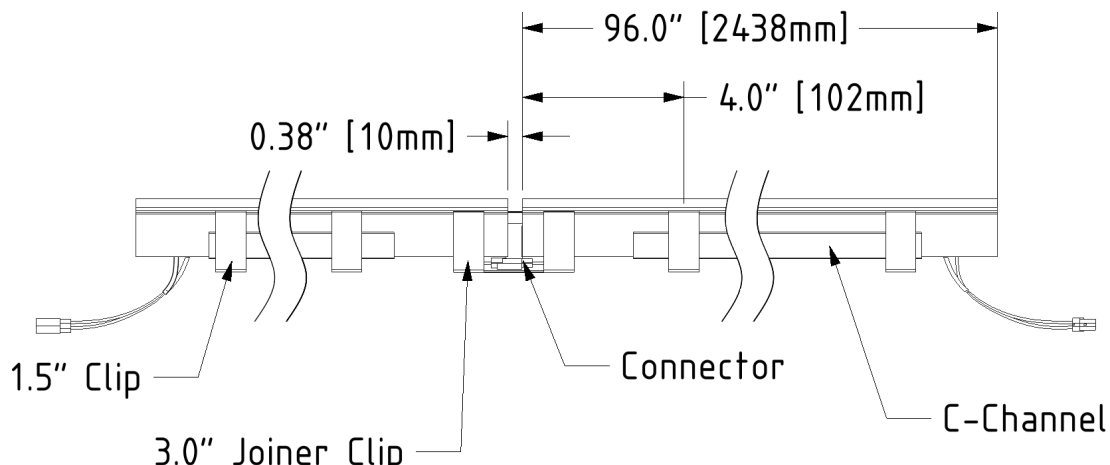
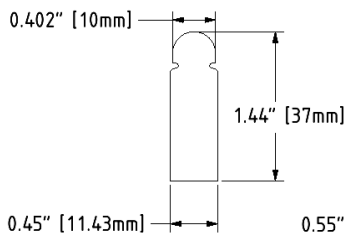
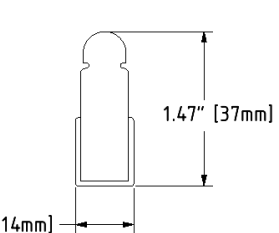
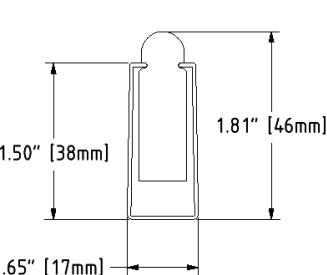
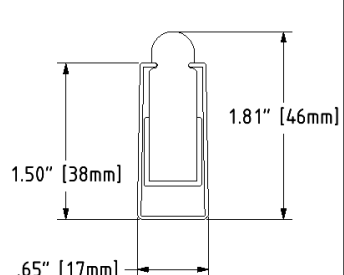
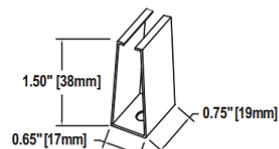
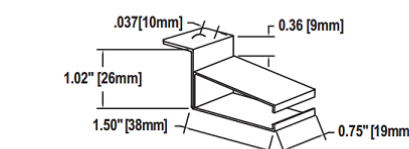
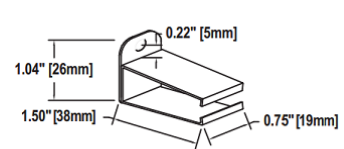
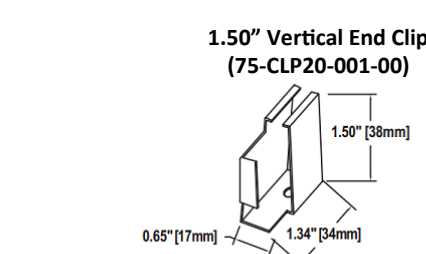
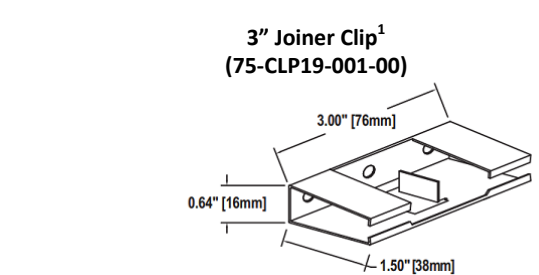
## TECHNICAL INFORMATION

<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>MECHANICAL</b></p>	<p><b>Width &amp; Height Housing</b></p> <ul style="list-style-type: none"> <li>0.55" (14mm)w x 1.47"(37mm)h with C-channel</li> <li>UV and impact resistant acrylic diffuser</li> <li>UV resistant plastic channel</li> <li>Stainless steel C-channel for mechanical support</li> </ul> <p><b>Minimum Piece Spacing</b></p> <ul style="list-style-type: none"> <li>Linear (end to end) = 3/8" (10mm)</li> <li>Parallel (edge to edge) = 1" (25mm)</li> </ul> <p>* The minimum space for ventilation surrounding the Plexineon product is 1.0". This distance should be maintained on the three sides, left and right of the product as well as in front of the product. Other configurations subject to specific application testing.</p> <p><b>Mounting</b></p> <ul style="list-style-type: none"> <li>Stainless steel spring mounted clips</li> <li>Clips to be 2" (51mm) in from end of piece and no more than 2' (610mm) maximum between clips</li> </ul> <p><b>Power Supply Weight</b></p> <ul style="list-style-type: none"> <li>Electronic (Advance) Power Supply is 2 lbs. (0.9 kg)</li> <li>Outdoor Magnetic Hybrid (Justin) Power Supply is 9 lbs. (4 kg)</li> </ul> <p><b>Power Supply Dimensions</b></p> <ul style="list-style-type: none"> <li>Electronic (Advance) = 9.50" x 1.18" x 1.70" (242mm x 30mm x 43mm)</li> <li>Outdoor Magnetic Hybrid (Justin) = 11.25" x 3.25" x 3.36" (286mm x 83mm x 85mm)</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>ELECTRICAL</b></p>	<p><b>Load Voltage</b> 24 V DC</p> <p><b>Load Current</b> 82 mA/foot at 24VDC (270 mA/meter) 1.97 watts/foot (6.46 watts/meter)</p> <p><b>Maximum Run Length</b> 32 feet (9.75 m) with an iLight approved power supply</p> <p><b>DC Cable</b></p> <ul style="list-style-type: none"> <li>14 AWG, PVC/Nylon Type TC 600 Volt power and control cable or equivalent</li> <li>FT-4 fire rating</li> <li>Class 2 wiring system</li> <li>Connectors: Molex Splashproof—JIS D0203 S2</li> </ul> <p><b>Electrical Tips</b></p> <ul style="list-style-type: none"> <li>Only use iLight approved power supplies</li> <li>Do not cut non-cutable pieces</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>ENVIRONMENTAL</b></p>	<p><b>Operating Temperature Range</b> -25°C to 50°C (-13°F to 122°F)</p> <p><b>Storage Temperature Range</b> -25°C to 75°C (-13°F to 167°F)</p> <p><b>Certification</b></p> <ul style="list-style-type: none"> <li>Complies with CE, UL 1598 and CSA c22.2 No. 250 in Luminaire, Wet Location, IP68 (when ordered with IP68 connectors, IP67 otherwise), IK10. Plexineon is MetLabs listed. MetLabs is a Nationally recognized Testing Laboratory (NRTL).</li> <li>Power Supplies are RU listed. RU stands for Recognized Components by Underwriters Laboratory.</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>2' Cutable Fixture</b></p>	 <p>The diagram shows a long rectangular fixture with two lead wires extending from the left end. A dimension line indicates a 3.00" [76mm] section at the left end, labeled "DO NOT CUT". A larger dimension line indicates a total length of 24.25" [616mm]. An arrow points to the right end of the fixture with the text "CUT FROM THIS END".</p>

# Plexineon Color Series

(Blue, Green, Magenta, Rose, Teal, Yellow)

## TECHNICAL INFORMATION

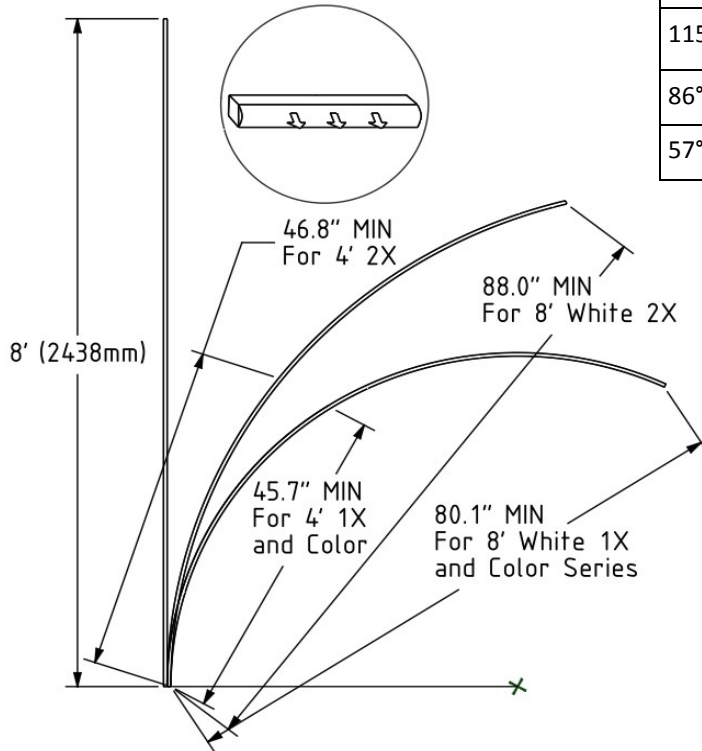
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">PLEXINEON PROFILE</p>	<p style="text-align: center;">WITH C-CHANNEL</p> 
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">PLEXINEON CROSS SECTIONS</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Gen-3.9 WITHOUT C-CHANNEL</b></p>  </div> <div style="text-align: center;"> <p><b>Gen-3.9 WITH C-CHANNEL</b></p>  </div> <div style="text-align: center;"> <p><b>Gen-3.9 WITHOUT C-CHANNEL IN CLIP</b></p>  </div> <div style="text-align: center;"> <p><b>Gen-3.9 WITH C-CHANNEL IN CLIP</b></p>  </div> </div>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">MOUNTING CLIPS</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>1.50" Standard Clip</b> (75-CLP16-001-00)</p> </div> <div style="text-align: center;">  <p><b>L Tab Specialty Clip</b> (75-CLP15-001-00)</p> </div> <div style="text-align: center;">  <p><b>Straight Tab Specialty Clip</b> (75-CLP17-001-00)</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p><b>1.50" Vertical End Clip</b> (75-CLP20-001-00)</p> </div> <div style="text-align: center;">  <p><b>3" Joiner Clip<sup>1</sup></b> (75-CLP19-001-00)</p> </div> </div> <p style="text-align: right; margin-top: 20px;">*Mounting hole 3/16" 1- used for both horizontal &amp; vertical applications</p>

# Plexineon Color Series

(Blue, Green, Magenta, Rose, Teal, Yellow)

## TECHNICAL INFORMATION

PLEXINEON FIELD BENDING<sup>1-3</sup>

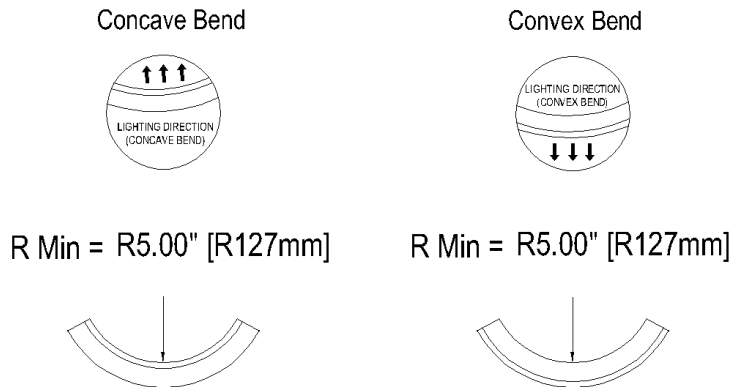


Angle	Fixture Length	Min. Radius
115°	8'-0" (2438mm)	48.00" (1219mm)
86°	6'-0" (1829mm)	48.00" (1219mm)
57°	4'-0" (1219mm)	48.00" (1219mm)

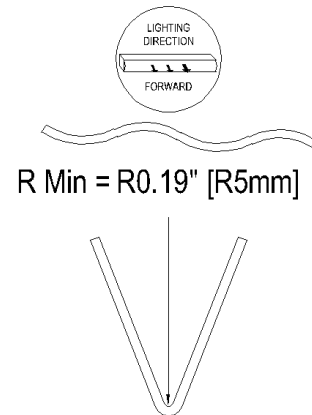
- Note 1: Field bending shown in easy direction. Cannot field bend into convex or concave bends
- Note 2: Easy direction refers to bend axis parallel to light direction.
- Note 3: Field bending allowed only on fixtures without C-channel

PLEXINEON FACTORY BENDING

### Hard Bends



### Easy Bends<sup>2</sup>

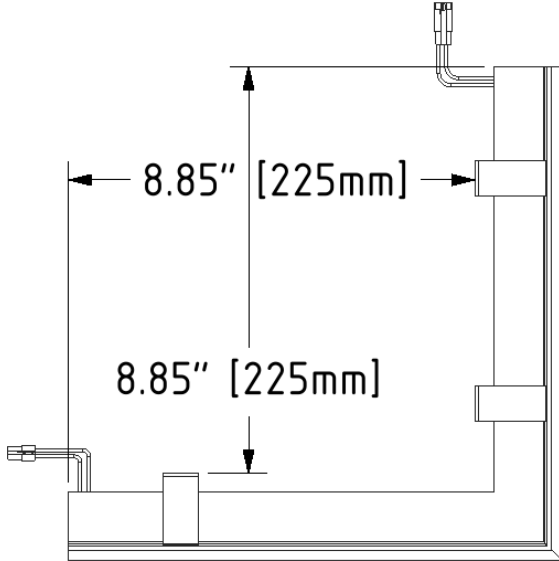
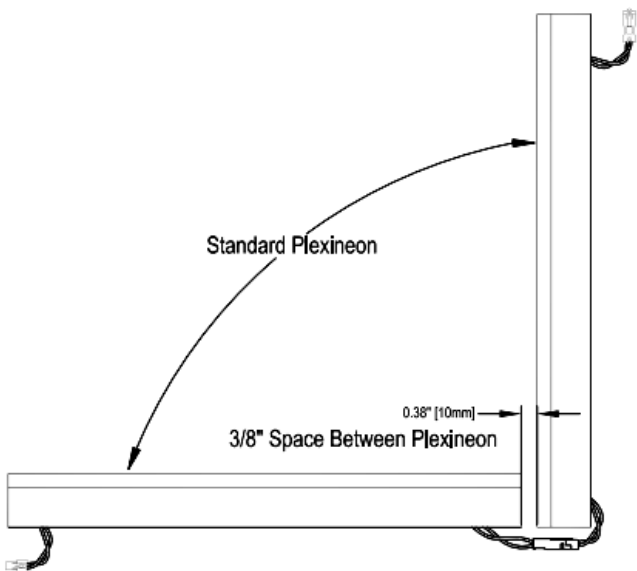
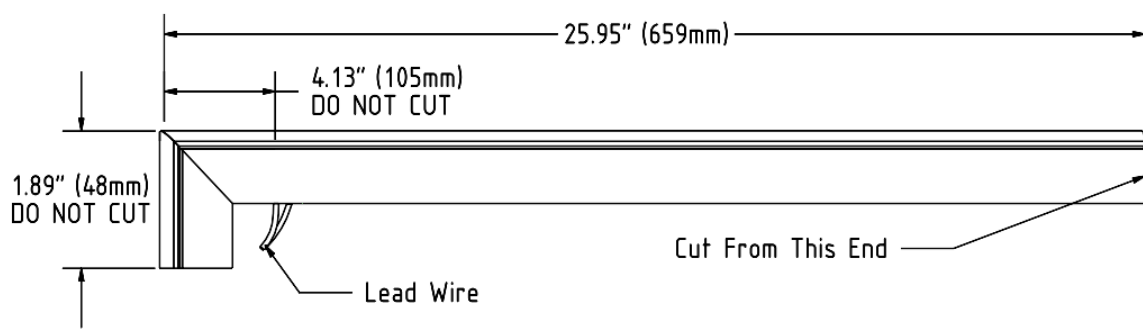


Note: The maximum length for any factory bent fixtures is 92 inches

# Plexineon Color Series

(Blue, Green, Magenta, Rose, Teal, Yellow)

## TECHNICAL INFORMATION

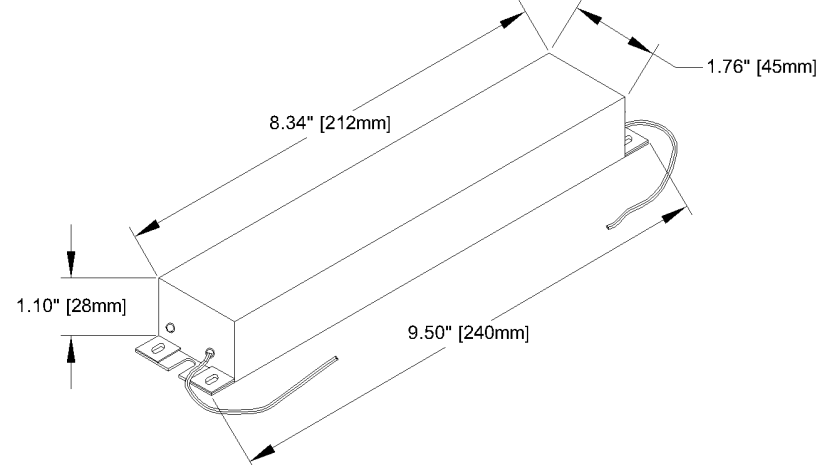

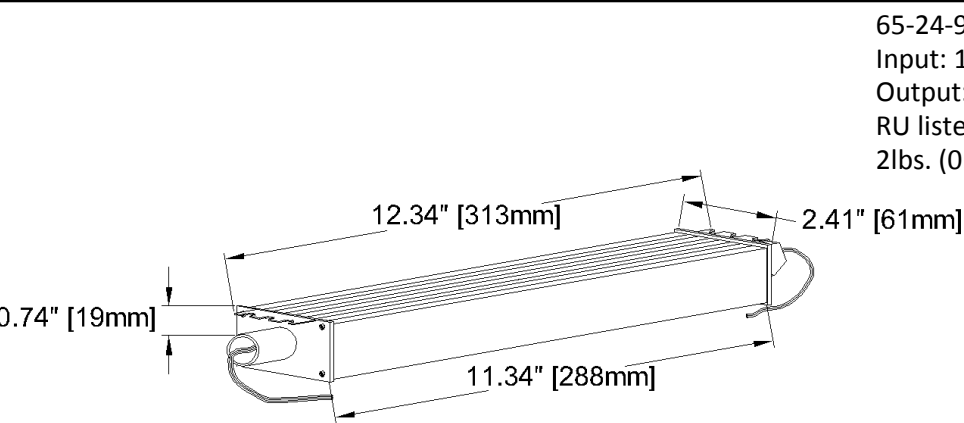
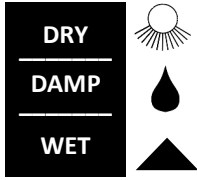
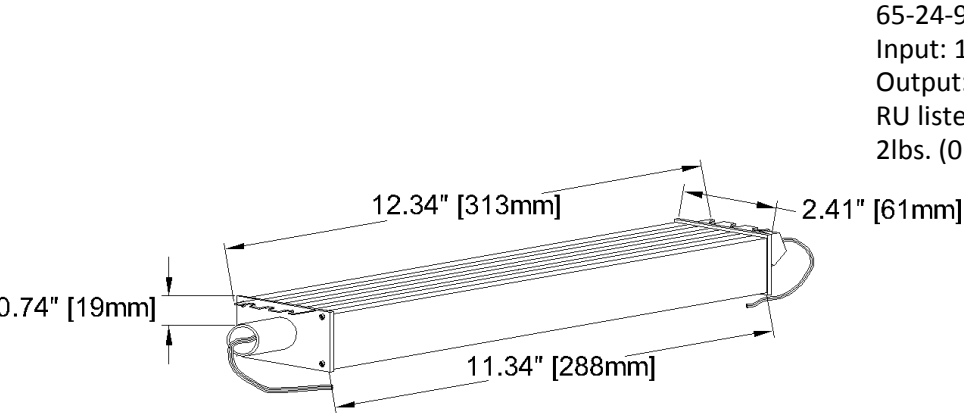
OUTSIDE CORNER	
INSIDE CORNER	
CORNER CUTTABLE	

# Plexineon Color Series

(Blue, Green, Magenta, Rose, Teal, Yellow)

## TECHNICAL INFORMATION

### Plexineon Power Supplies

<p><b>ELECTRONIC (ADVANCE) POWER SUPPLY</b></p>	 <p>65-ADV100W24V Input: 120-277VAC 50/60Hz Output: 24VDC 4A max RU listed for U.S. and Canada Additional Enclosure Required 2lbs. (0.9kg)</p> <p><b>DRY</b> <b>DAMP</b></p> 
<p><b>MAGNETIC HYBRID (JUSTIN) POWER SUPPLY IN 3R ENCLOSURE</b></p>	 <p>65-PWR09-001-00 Input: 120VAC 50/60Hz Output: 24VDC 4A max RU listed for U.S. Enclosed in NEMA 3R 9lbs. (4kg)</p> <p><b>DRY</b> <b>DAMP</b> <b>WET</b></p> 
<p><b>MAGTECH POWER SUPPLY</b></p>	 <p>65-24-96W-MAG Input: 100-277VAC 60Hz Output: 24VDC 4A max RU listed for U.S. 2lbs. (0.9kg)</p> <p><b>DRY</b> <b>DAMP</b> <b>WET</b></p> 