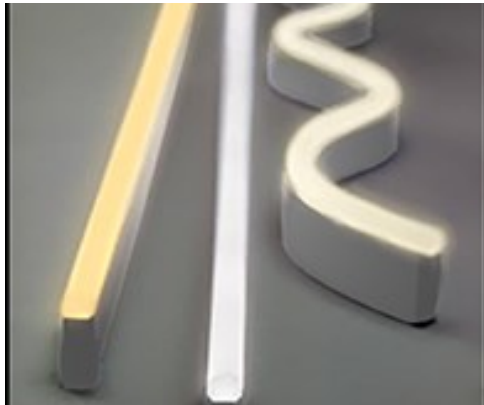


# Plexineon White 2X Series

## PRODUCT SUMMARY



### PRODUCT FEATURES

- Four Kelvin temperatures
- Energy efficient
- Long lifetime
- Stable and consistent color temperature
- Low voltage
- Easy to install
- Cool to the touch
- For use as exterior or interior accent lighting, direct view or indirect view applications, coves

### Color Temperatures (+/- 10%)

- 2800K
- 3500K
- 4500K
- 6500K

### Diffuser Color (when not illuminated)

- Light amber hue

### Lengths Available

- Standard Lengths: 2', 4', 6', 8'
- (610mm, 1219mm, 1830mm, 2438mm)
- 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 12" (305mm)
- Factory "easy bends" to a 3/16" (5mm) radius<sup>1</sup>
- Gentle field bends to a 72" (1829mm) 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 20 feet (6.10m)

### Power Supply Tips

- 20% maximum 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

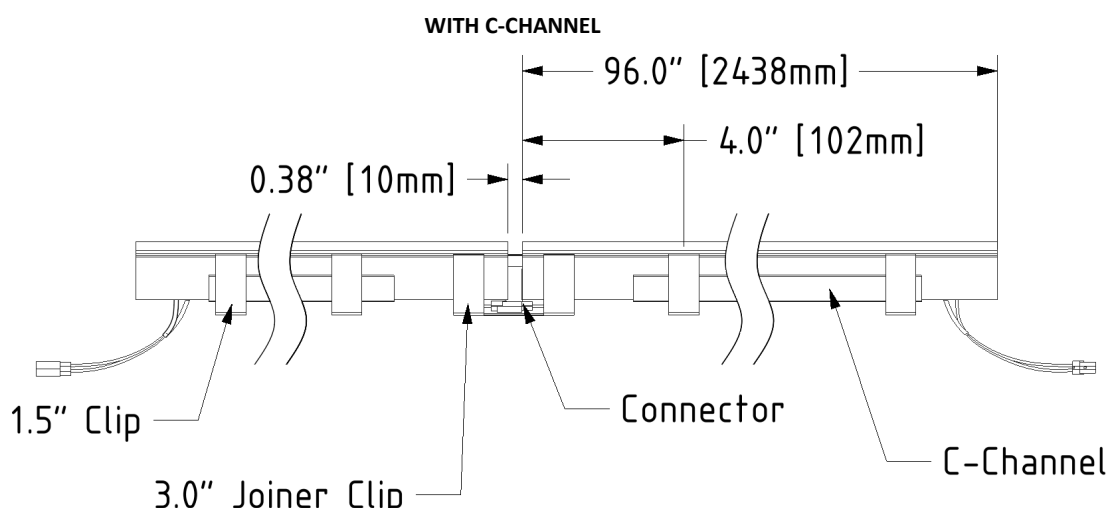
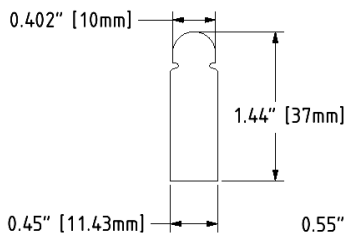
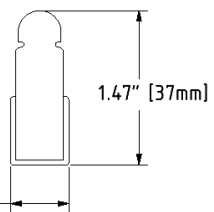
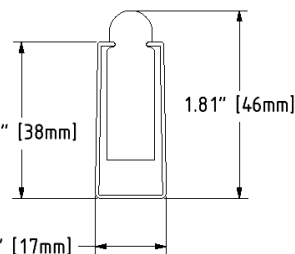
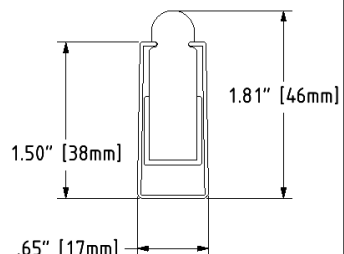
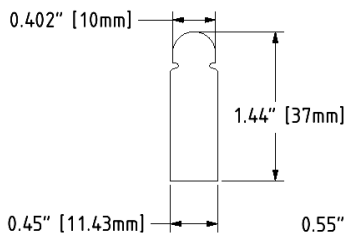
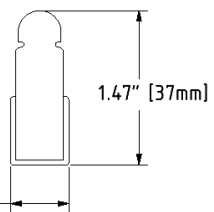
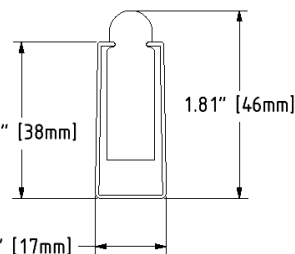
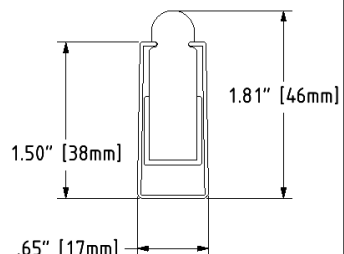
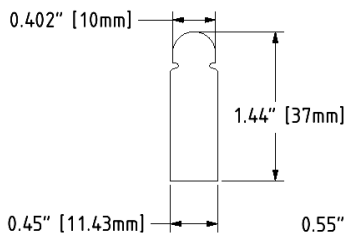
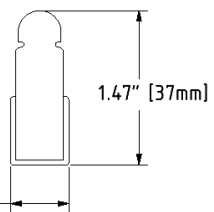
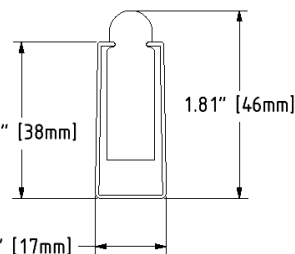
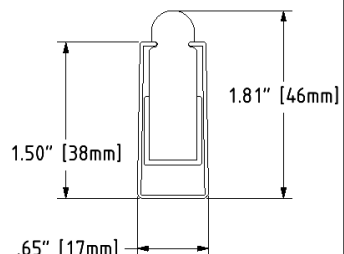
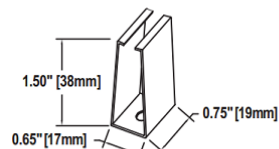
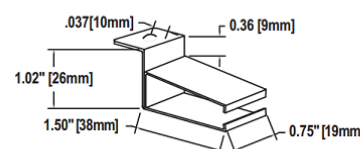
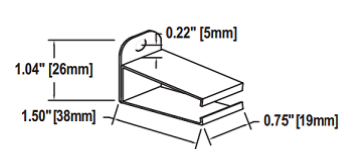
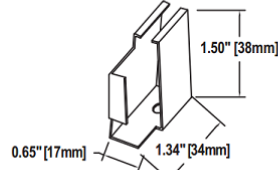
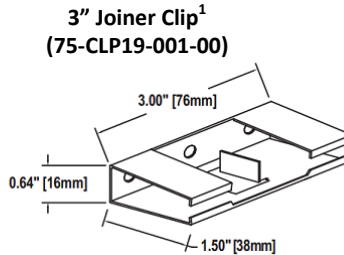
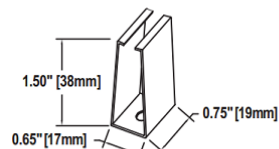
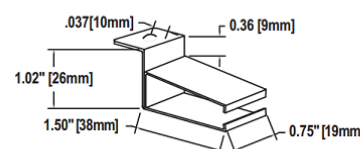
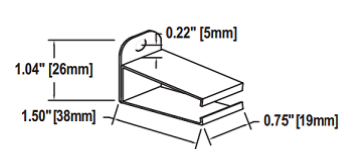
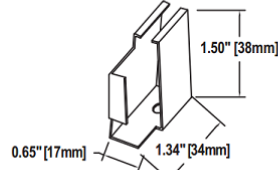
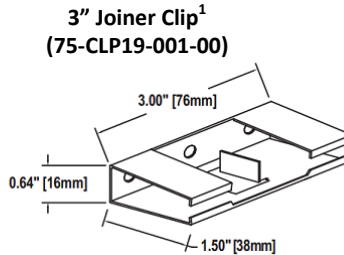
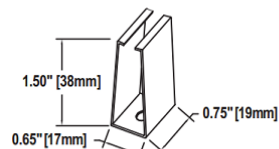
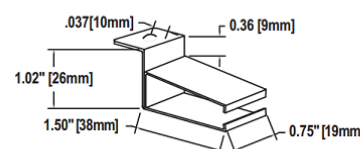
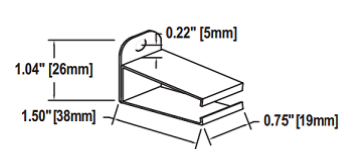
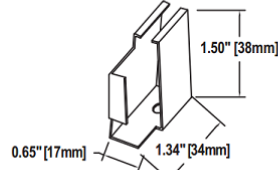
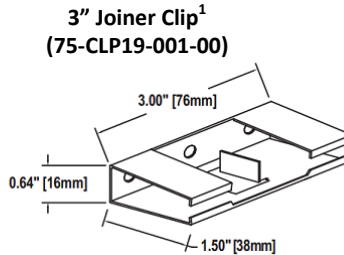
CLASS	VOLTAGE	COLOR	HOUSING	LENGTH	CHANNEL	VERSION
T	24		S			
T = Trim	24 = 24v	White X28 = 2X 2800K X35 = 2X 3500K X45 = 2X 4500K X65 = 2X 6500K	S = Silver	2F = 2 Feet 4F = 4 Feet 6F = 6 Feet 8F = 8 Feet CL = Custom Length PC = Outside Corner RT = Corner Cuttable TT = Cuttable BE = Bend-Easy BN = Bend-Convex BV = Bend-Concave	NC = No Channel SC = Stainless Steel Channel	00 = With Connectors 01 = Without Connectors

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 White 2X Series

TECHNICAL INFORMATION	
MECHANICAL	<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>
ELECTRICAL	<p><b>Load Voltage</b> 24 V DC</p> <p><b>Load Current</b> 117.1 mA/foot at 24VDC (384 mA/meter) 2.81 watts/foot (9.22 watts/meter)</p> <p><b>Maximum Run Length</b> 20 feet (6.10m) 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-cuttable pieces</li> </ul>
ENVIRONMENTAL	<p><b>Operating Temperature Range</b> -25°C to 40°C (-13°F to 104°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.) 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>

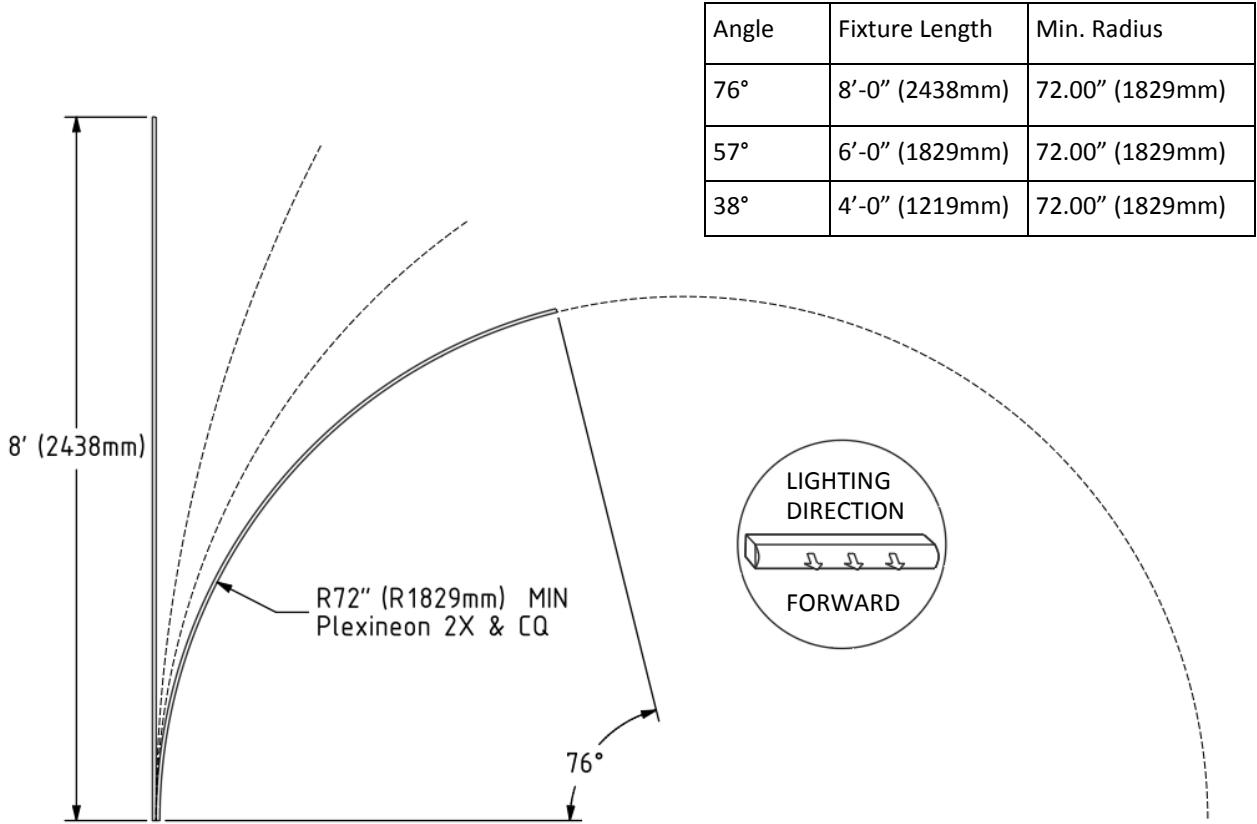
# Plexineon White 2X Series

TECHNICAL INFORMATION									
PLEXINEON PROFILE	<p style="text-align: center;">WITH C-CHANNEL</p> 								
PLEXINEON CROSS SECTIONS	<table border="0" style="width: 100%; text-align: center;"> <tr> <td><b>Gen-3.9 WITHOUT C-CHANNEL</b></td> <td><b>Gen-3.9 WITH C-CHANNEL</b></td> <td><b>Gen-3.9 WITHOUT C-CHANNEL IN CLIP</b></td> <td><b>Gen-3.9 WITH C-CHANNEL IN CLIP</b></td> </tr> <tr> <td>  <p>0.402" [10mm] 1.44" [37mm] 0.45" [11.43mm]</p> </td> <td>  <p>1.47" [37mm] 0.55" [14mm]</p> </td> <td>  <p>1.50" [38mm] 1.81" [46mm] 0.65" [17mm]</p> </td> <td>  <p>1.50" [38mm] 1.81" [46mm] 0.65" [17mm]</p> </td> </tr> </table>	<b>Gen-3.9 WITHOUT C-CHANNEL</b>	<b>Gen-3.9 WITH C-CHANNEL</b>	<b>Gen-3.9 WITHOUT C-CHANNEL IN CLIP</b>	<b>Gen-3.9 WITH C-CHANNEL IN CLIP</b>	 <p>0.402" [10mm] 1.44" [37mm] 0.45" [11.43mm]</p>	 <p>1.47" [37mm] 0.55" [14mm]</p>	 <p>1.50" [38mm] 1.81" [46mm] 0.65" [17mm]</p>	 <p>1.50" [38mm] 1.81" [46mm] 0.65" [17mm]</p>
<b>Gen-3.9 WITHOUT C-CHANNEL</b>	<b>Gen-3.9 WITH C-CHANNEL</b>	<b>Gen-3.9 WITHOUT C-CHANNEL IN CLIP</b>	<b>Gen-3.9 WITH C-CHANNEL IN CLIP</b>						
 <p>0.402" [10mm] 1.44" [37mm] 0.45" [11.43mm]</p>	 <p>1.47" [37mm] 0.55" [14mm]</p>	 <p>1.50" [38mm] 1.81" [46mm] 0.65" [17mm]</p>	 <p>1.50" [38mm] 1.81" [46mm] 0.65" [17mm]</p>						
MOUNTING CLIPS	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">  <p><b>1.50" Standard Clip</b> (75-CLP16-001-00)</p> </td> <td style="text-align: center;">  <p><b>L Tab Specialty Clip</b> (75-CLP15-001-00)</p> </td> <td style="text-align: center;">  <p><b>Straight Tab Specialty Clip</b> (75-CLP17-001-00)</p> </td> </tr> <tr> <td style="text-align: center;">  <p><b>1.50" Vertical End Clip</b> (75-CLP20-001-00)</p> </td> <td colspan="2" style="text-align: center;">  <p><b>3" Joiner Clip<sup>1</sup></b> (75-CLP19-001-00)</p> </td> </tr> </table> <p style="text-align: right;">*Mounting hole 3/16"</p> <p style="text-align: right;">1- used for both horizontal &amp; vertical applications</p>	 <p><b>1.50" Standard Clip</b> (75-CLP16-001-00)</p>	 <p><b>L Tab Specialty Clip</b> (75-CLP15-001-00)</p>	 <p><b>Straight Tab Specialty Clip</b> (75-CLP17-001-00)</p>	 <p><b>1.50" Vertical End Clip</b> (75-CLP20-001-00)</p>	 <p><b>3" Joiner Clip<sup>1</sup></b> (75-CLP19-001-00)</p>			
 <p><b>1.50" Standard Clip</b> (75-CLP16-001-00)</p>	 <p><b>L Tab Specialty Clip</b> (75-CLP15-001-00)</p>	 <p><b>Straight Tab Specialty Clip</b> (75-CLP17-001-00)</p>							
 <p><b>1.50" Vertical End Clip</b> (75-CLP20-001-00)</p>	 <p><b>3" Joiner Clip<sup>1</sup></b> (75-CLP19-001-00)</p>								

# Plexineon White 2X Series

## TECHNICAL INFORMATION

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

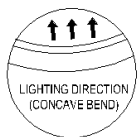


Note 1: Field bending shown in easy direction. Cannot field bend into convex or concave bends  
 Note 2: Easy direction refers to bend axis parallel to light direction.  
 Note 3: Field bending allowed only on fixtures without C-channel

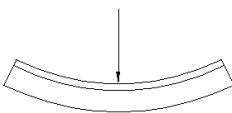
PLEXINEON FACTORY BENDING

### Hard Bends

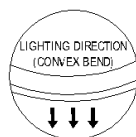
#### Concave Bend



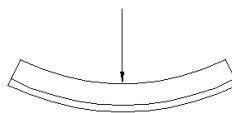
R Min = R12.00" [R305mm]



#### Convex Bend

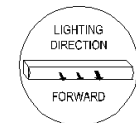


R Min = R12.00" [R305mm]

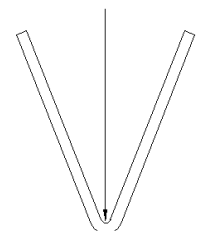


Note: The maximum length for any factory bent fixtures is 92 inches

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



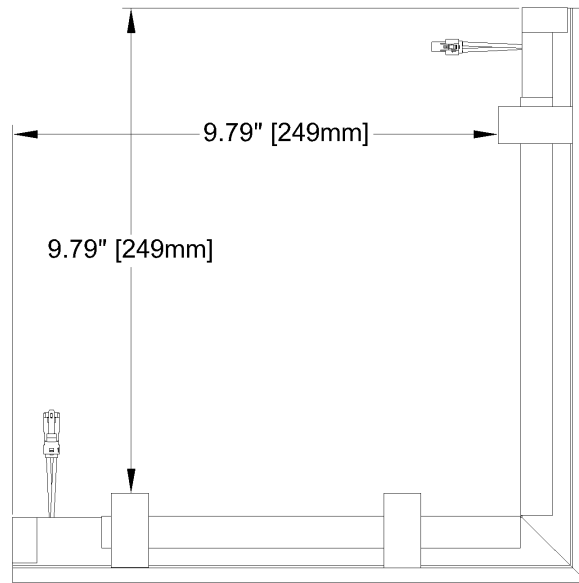
R Min = R0.19" [R5mm]



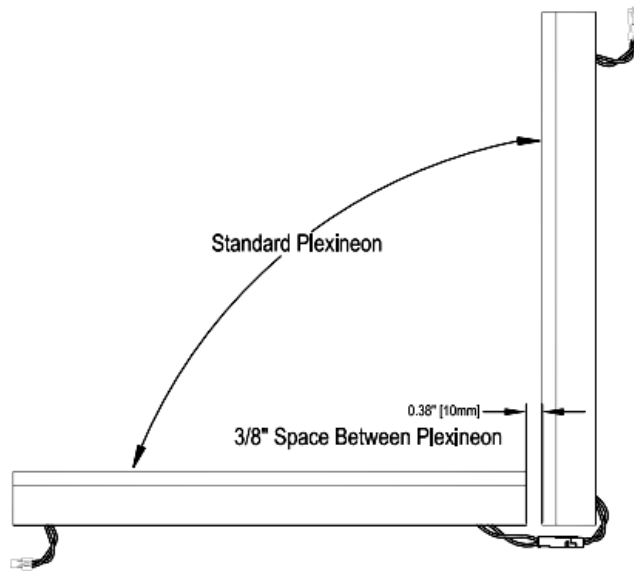
# Plexineon White 2X Series

## TECHNICAL INFORMATION

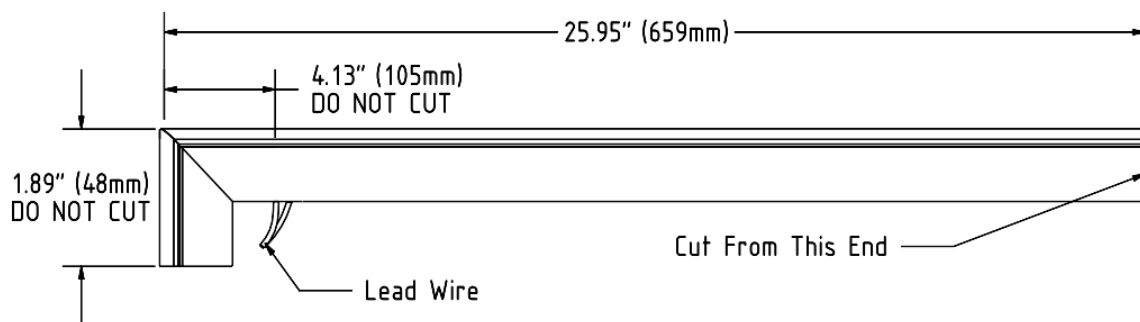
OUTSIDE CORNER



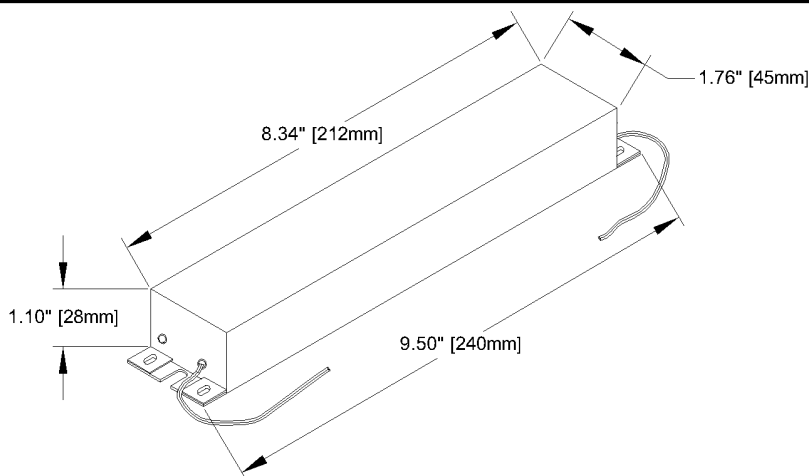
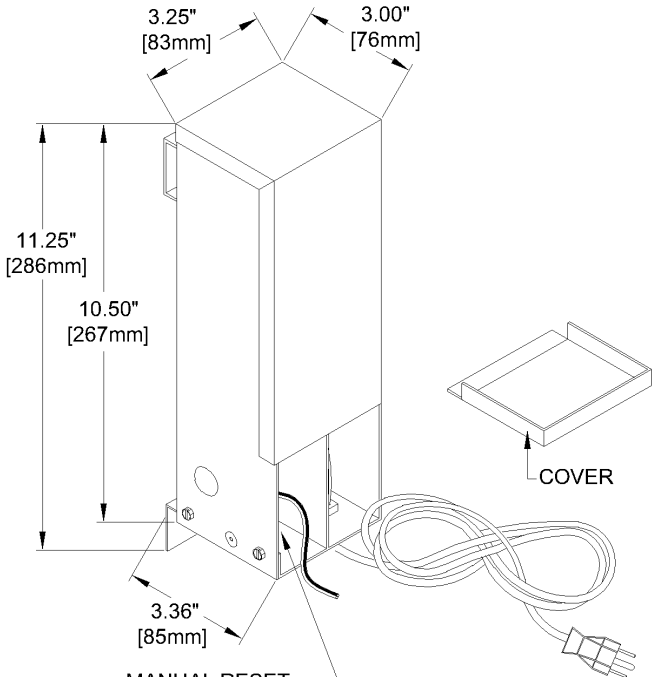
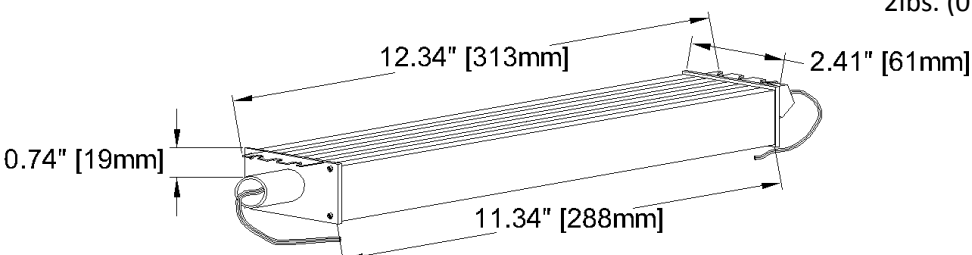
INSIDE CORNER



CORNER CUTTABLE



# Plexineon White 2X Series

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>