

# Equinox Louvered Roof x Lumien Lighting Installation Instructions



<p><b>Nano Recessed Light</b> XLM112901-WW XLM112135-WW</p> <p><b>Nano Recessed Light Pro</b> XLM112901-30 XLM112135-30</p>	<ol style="list-style-type: none"><li>1. Drill <b>1 1/4"</b> hole to recess bracket and light, and run wire.</li><li>2. Attach lead wire on light to the wire that is running to the transformer.</li><li>3. Push the light and bracket into the hole you drilled.</li></ol>
<p><b>Micro Recessed Light</b> XLM023901-WW XLM023135-WW</p> <p><b>Micro Recessed Light Pro</b> XLM023901-30 XLM023135-30</p>	<ol style="list-style-type: none"><li>1. Drill <b>1 5/8"</b> hole to recess bracket and light, and run wire.</li><li>2. Attach lead wire on light to the wire that is running to the transformer.</li><li>3. Push the light and bracket into the hole you drilled.</li></ol>
<p><b>Micro Spotlight</b> XLM031901-WW XLM031135-WW</p> <p><b>Micro Spotlight Pro</b> XLM031901-30 XLM031135-30</p>	<ol style="list-style-type: none"><li>1. Drill <b>1 5/8"</b> hole to recess bracket and light, and run wire.</li><li>2. Attach lead wire on surface mount to the wire that is running to transformer.</li><li>3. Squeeze together bracket and push surface mount (with bracket) into the hole you drilled.</li><li>4. Remove rubber cap from light knuckle and screw into surface mount.</li></ol>
<p><b>Micro Post Light</b> XLM087901-WW XLM087135-WW</p> <p><b>Micro Post Light Pro</b> XLM087135-30 XLM087901-30</p>	<ol style="list-style-type: none"><li>1. Drill <b>3/4"</b> hole and run wire.</li><li>2. Unscrew cap from junction box.</li><li>3. Attach lead wire on junction box to the wire that is running to the transformer.</li><li>4. Attach junction box to post with two #10 screws, so that the slot on junction box is facing down.</li><li>5. Screw cap back onto junction box.</li><li>6. Remove rubber camp from bollard.</li><li>7. Screw the bollard onto the junction box.</li></ol>

## IMPORTANT NOTES

1. It is recommended to use 12/2, low voltage landscape wiring to connect the lead from the light to the transformer.
2. When connecting to the transformer, the wires should be attached to two connectors, the common and the 15V.

# Equinox Louvered Roof x Lumien Lighting Installation Instructions



Spacing for Lumien Lights		8'	9'	10'	11'	12'
Nano Recessed Light	XLM112135-WW XLM112901-WW	5' 4"	6'	6' 8"	7' 4"	8'
Nano Recessed Light Pro	XLM112135-30 XLM112901-30	4' 5"	5'	5' 7"	6' 1"	6' 8"
Micro Recessed Light	XLM023135-WW XLM112901-WW	5' 9"	6' 6"	7' 2"	7' 11"	8' 8"
Micro Recessed Light Pro	XLM023135-30 XLM023901-30	5' 3"	5' 11"	6' 6"	7' 2"	7' 10"
Micro Spotlight	XLM031135-WW XLM031901-WW	5' 9"	6' 6"	7' 2"	7' 11"	8' 8"
Micro Spotlight Pro	XLM031135-30 XLM031901-30	5' 2"	5' 10"	6' 6"	7' 1"	7' 9"
Micro Post Light	XLM087135-WW XLM087901-WW	EVERY POST				
Micro Post Light Pro	XLM087135-30 XLM087901-30	EVERY POST				

Max Number of Lights Based on Transformer		Watts	Max # Lights TR-120	Max # Lights TR-250
Nano Recessed Light	XLM112135-WW XLM112901-WW	2.5	48	100
Nano Recessed Light Pro	XLM112135-30 XLM112901-30	2	60	125
Micro Recessed Light	XLM023135-WW XLM112901-WW	5.5	21	45
Micro Recessed Light Pro	XLM023135-30 XLM023901-30	3	40	83
Micro Spotlight	XLM031135-WW XLM031901-WW	5.5	21	45
Micro Spotlight Pro	XLM031135-30 XLM031901-30	3	40	83
Micro Post Light	XLM087135-WW XLM087901-WW	5.5	21	45
Micro Post Light Pro	XLM087135-30 XLM087901-30	3	40	83

**Voltage Drop Calculator** *(when using 12/2 wire)*

$$\frac{\text{TOTAL WATTS ON THE WIRE} \times \text{WIRE RUN LENGTH}}{7,490} = \text{VOLTAGE DROP}$$

*NOTE: Need a 10V - 15V output for lights to work correctly.*