

LENS GASKET FOR LINEAR LED LIGHT ARRAY IN AN OUTDOOR LUMINAIRE

CHALLENGE: Outdoor light with 10 year warranty and a design that required the LED arrays be bonded and sealed between a clear PC lens and the reflector. The light would be exposed to the environment and required a gasket to provide reliable sealing to keep out dust, debris, and moisture. Materials used were required to meet “UL Listed for Wet Locations”.



Representation of outdoor luminaire with linear LED light array

MATERIAL: 3M™ VHB™ Foam Tape in White

- Viscoelastic, durable acrylic foam with outstanding bond strength
- Easy to die-cut into custom shapes
- Met UL specs required of this product and the customer
- White color and thin bond line allowed for a visually appealing lighting product

SOLUTION: Marian Bonding & Sealing Lens Gasket

- Intricate gasket that precisely fit the design of the arrays
- Parts were supplied kiss-cut to a roll, making pick and place assembly by the operator much easier

