



# Why Molded Silicone Optics?



Mirada LED Area Light (XALM)



Mirada Round LED Area Light (XMR)



Zoom-In of Precise, Molded LSI Silicone Optics

## LSI Molded Silicone Optic Benefits Include:

- High photo-thermal stability operating temps
- High light transmittance of 93%
- Does not yellow or crack with age
- Does not leak
- Lighter weight (compared with glass)
- Accurately able to reproduce complex designs
- Allows integration of additional designs, such as gaskets
- Proven and warranted solution

# Why Molded Silicone Optics?

FEATURES	BENEFITS
High photo-thermal stability	Higher maximum operating temp levels
High light transmittance	Maximum light delivered to tasks
Accurate reproduction	Consistent high quality and reliability
Integration of additional designs	Fewer components required
Proven by LED chip makers	Confidence in use of material for application
Single piece optics	Increases leak resistance

FEATURES	Silicone	Acrylic	Polycarb
High Max Operating Temp	150° C	80°C	90°C
High Light Transmittance	~93%	~92%	~90%
UV Resistance (Yellows)	Superior	Good	Acceptable
Moisture Resistance	Good	Good	Good

