Our innovative, high-performance silicon-based materials help you create next-generation lighting.

Proven reliability and efficiency across all lighting applications:
- Seal
- Protect
- Adhere
- Cool
- Control light

GLOBAL SOLUTIONS FOR THE ENTIRE VALUE CHAIN

dowcorning.com/lighting
Dow Corning Silicone Products for LED Lamps

- **Silicone benefits across the entire lighting value chain**
  - Thermal stability
  - Transparency
  - Photo stability
  - Enhanced light output efficiency
  - Easy processability
  - Lower cost of ownership
  - Enhanced protection
  - Enhanced reliability and lifetime

- **Secondary optics (diffuser)**
  - Dow Corning® EF-2720 Emulsion Powder
  - Dow Corning® MS-1002 Mouldable Silicone
  - Dow Corning® MS-1003 Mouldable Silicone
  - Dow Corning® 164 Silicone Elastomer

- **LED chip encapsulants**
  - Dow Corning® OE-6370 M Optical Encapsulant
  - Dow Corning® OE-6651 Optical Encapsulant
  - Dow Corning® OE-6630 Optical Encapsulant
  - Dow Corning® OE-6631 Optical Encapsulant
  - Dow Corning® OE-6650 Optical Encapsulant

- **Adhesives for environmental seals**
  - Dow Corning® 7091 Adhesive Sealant

- **Optics (remote phosphor)**
  - Dow Corning® MS-1002 Mouldable Silicone
  - Dow Corning® MS-1003 Mouldable Silicone

- **Reflector materials**
  - Dow Corning® SE1706 Clear & White Adhesive

- **PCB**
  - Dow Corning® 1-2577 Conformal Coating
  - Dow Corning® 3-1953 Conformal Coating

- **Thermal interface materials**
  - Dow Corning® 340 Heat Sink Compound
  - Dow Corning® TP-1562 Thermal Pad
  - Dow Corning® TC-4025 Printable Pad

- **Thermally conductive encapsulants for power components**
  - Dow Corning® TC-6010 Thermally Conductive Encapsulant
  - Dow Corning® Sylgard® 160 Silicone Elastomer

- **Silicone chip encapsulants**
  - Dow Corning® OE-6630 Optical Encapsulant
  - Dow Corning® OE-6631 Optical Encapsulant
  - Dow Corning® OE-6636 Optical Encapsulant
  - Dow Corning® OE-6650 Optical Encapsulant

- **Dow Corning® 7091 Adhesive Sealant**

- **Thermal pottants for heat control**
  - Dow Corning® CN-8760 Encapsulant
  - Sylgard® 160 Silicone Elastomer

- **Internal driver**
  - Dow Corning® 1-2577 Conformal Coating
  - Dow Corning® 3-1953 Conformal Coating

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