### Patent Marking Lists for Cree LED® LED Chips Products

### **Direct Attach<sup>™</sup> (DA) LED Chips**

These products are covered by the respective patents listed below:

Pat. 7,446,345 Pat. 8,368,100 Pat. 8,575,633 Pat. 8,643,039 Pat. 8,692,277

Pat. 9,397,266 Pat. 9,461,201 Pat. 9,496,458

### **SA LED Chips**

These products are covered by the respective patents listed below:

Pat. 7,446,345 Pat. 8,368,100 Pat. 8,575,633 Pat. 8,643,039 Pat. 8,692,277 Pat. 9,397,266 Pat. 9,461,201 Pat. 9,496,458 Pat. 11,817,537 Pat. 11,870,009

### TR<sup>™</sup> LED Chips

These products are covered by the respective patents listed below:

Pat. 7,446,345

# EZBright® LED Chips

These products are covered by the respective patents listed below:

Pat. 7,335,920 Pat. 7,446,345 Pat. 7,704,763 Pat. 9,461,201 Pat. 9,484,499

Pat. 9,728,676

#### EZ600 and EZ700 LED Chips

These products are covered by the respective patents listed below:

Pat. 7,335,920 Pat. 7,446,345 Pat.7,704,763 Pat. 9,461,201 Pat. 9,484,499

Pat. 9,728,676

#### **EZ900, EZ1000, and EZ1350 LED Chips**

These products are covered by the respective patents listed below:

Pat. 7,335,920 Pat. 7,446,345 Pat. 7,704,763 Pat. P,728,676 Pat. 9,461,201

Pat. 9,484,499 Pat. 11,817,537

# $MegaBright^{\otimes}$ (MB), RazerThin<sup>®</sup> (RT) and UltraThin<sup>TM</sup> (UT) LED Chips

These products are covered by the respective patents listed below:

Pat. 7,446,345

### **GaN LED Chips**

These products are covered by the respective patents listed below:

Pat. 7,446,345

### **WZ LED Chips**

These products are covered by the respective patents listed below:

Pat. 7,335,920 Pat. 7,446,345 Pat. 9,461,201

#### WZ600 and WZ700 LED Chips

These products are covered by the respective patents listed below:

Pat. 7,335,920 Pat. 7,446,345 Pat. 7,692,182 Pat. 9,461,201

#### WZ900 and WZ1000 LED Chips

These products are covered by the respective patents listed below:

Pat. 7,335,920 Pat. 7,446,345 Pat. 9,461,201

# XBright® and XThin® LED Chips

These products are covered by the respective patents listed below:

Pat. 7,446,345