



**Name:** Gravestone shape without flange LED lamp **SIZE:** 1.75\*2.75\*4.0mm  
**MODEL:** 175

| Product detail          |               |             |                         |                     |      |                          |     |                          |      |                      |                     |
|-------------------------|---------------|-------------|-------------------------|---------------------|------|--------------------------|-----|--------------------------|------|----------------------|---------------------|
| Part Number             | Chip Material | Lens Type   | Emitting Color          | Forward Voltage (V) |      | Dominant Wavelength (nm) |     | Luminous Intensity (mcd) |      | Reverse Current (uA) | Viewing Angle (deg) |
|                         |               |             |                         | TYP                 | MAX  | MIN                      | MAX | MIN                      | MAX  |                      |                     |
| Package Dimensions (mm) |               |             |                         |                     |      |                          |     |                          |      |                      |                     |
|                         |               |             |                         |                     |      |                          |     |                          |      |                      |                     |
| DDY-YB175Y              | InGaN         | Water Clear | High Bright Blue        | 3.60                | 4.20 | 455                      | 485 | 400                      | 800  | 10                   | ±20                 |
| DDY-YB175AY             | InGaN         | Water Clear | Super High Bright Blue  | 3.60                | 4.20 | 455                      | 485 | 2000                     | 300  | 10                   | ±20                 |
| DDY-YG175Y              | InGaN         | Water Clear | Super Bright Pure Green | 3.60                | 4.20 | 515                      | 530 | 3000                     | 5000 | 10                   | ±20                 |
| DDY-YG175AY             | InGaN         | Water Clear | Super Bright Blue Green | 3.60                | 4.20 | 495                      | 510 | 2000                     | 4000 | 10                   | ±20                 |

|                |         |             |                          |         |      |         |     |         |      |         |     |
|----------------|---------|-------------|--------------------------|---------|------|---------|-----|---------|------|---------|-----|
| DDY-YZ175Y     | InGaN   | Water Clear | High Bright White        | 3.60    | 4.20 | /       | /   | 600     | 1000 | 10      | ±20 |
| DDY-YZ175AY    | InGaN   | Water Clear | Super Bright White       | 3.60    | 4.20 | /       | /   | 2000    | 4000 | 10      | ±20 |
| DDY-YE175Y     | AlGaInp | Water Clear | High Bright Red          | 1.8     | 2.60 | 615     | 635 | 400     | 800  | 10      | ±20 |
| DDY-YF175AY    | AlGaInp | Water Clear | High Bright Red          | 1.8     | 2.50 | 615     | 635 | 1000    | 3000 | 10      | ±20 |
| DDY-YJ175Y     | AlGaInp | Water Clear | Super Bright Amber       | 1.8     | 2.50 | 600     | 615 | 400     | 1300 | 10      | ±20 |
| DDY-YY175AY    | AlGaInp | Water Clear | High Bright Yellow       | 1.8     | 2.50 | 580     | 595 | 400     | 600  | 10      | ±20 |
| DDY-YK175Y     | AlGaInp | Water Clear | Super High Bright Yellow | 1.8     | 2.50 | 580     | 595 | 100     | 3000 | 10      | ±20 |
| Test condition |         |             |                          |         |      |         |     |         |      |         |     |
|                |         |             |                          | 1F=20mA |      | 1F=20mA |     | 1F=20mA |      | VR=5V   |     |
|                |         |             |                          |         |      |         |     |         |      | 1F=20mA |     |

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