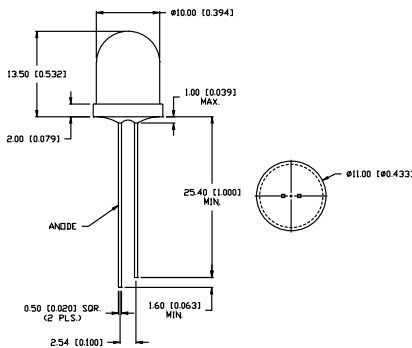


# Discrete LEDs ~ Dome Lens



## SSL-LX100133XxC Series

## T-10mm Tapered, Clear



### FEATURES / OPTIONS

- ▶ State-of-the-Art, High Brightness Chip Technology
- ▶ Choice of Colors and Lens Finishes
- ▶ Lead Frame / Lens Casting Reliability
- ▶ Easy-to-Solder Leads, Tin Finish
- ▶ Available Bulk or on Tape and Reel
- ▶ Lead Trimming and Forming Available
- ▶ Custom Shapes, Easily Tooled, Low Minimum
- ▶ Blinking LED
- ▶ With Internal Resistor for 5V and 12V Operation

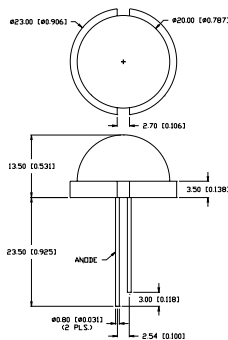
### APPLICATIONS / USES

- ▶ Board or Panel Indication or Illumination
- ▶ Backlighting of Overlays and Graphics
- ▶ Annunciator and Control Panels
- ▶ Keyboards and Switches
- ▶ Telecom Switches and Central Station Equipment
- ▶ Signs, Warning Lights, Displays

| Lumex Part Number          | Die Material | Emitted Color            | Peak (nm) | Lens             | Operating Current (mA) | Operating TYP. Vf (V) | Brightness TYP. Mcd | @ mA | View Angle° 2θ |
|----------------------------|--------------|--------------------------|-----------|------------------|------------------------|-----------------------|---------------------|------|----------------|
| <b>HIGH BRIGHTNESS</b>     |              |                          |           |                  |                        |                       |                     |      |                |
| SSL-LX100133XSIC           | AlInGaP      | Super High Intensity Red | 636       | Water Clear Lens | 5-25                   | 2                     | 4000                | 20   | 8              |
| SSL-LX100133XSOC           | AlInGaP      | Super Orange             | 610       | Water Clear Lens | 5-25                   | 2.0                   | 4000                | 20   | 8              |
| SSL-LX100133XSUGC          | AlInGaP      | Super Ultra Green        | 574       | Water Clear Lens | 5-25                   | 2.2                   | 2500                | 20   | 8              |
| SSL-LX100133XSYC           | AlInGaP      | Super Yellow             | 590       | Water Clear Lens | 5-25                   | 2                     | 4000                | 20   | 8              |
| SSL-LX100133XUSBC          | InGaN/SiC    | Ultra Super Blue         | 470       | Water Clear Lens | 5-25                   | 3.5                   | 2500                | 20   | 8              |
| <b>STANDARD BRIGHTNESS</b> |              |                          |           |                  |                        |                       |                     |      |                |
| SSL-LX100133XGCG           | GaP          | Green                    | 565       | Water Clear      | 5-25                   | 2.2                   | 1600                | 20   | 8              |
| SSL-LX100133XRC/1          | GaAlAs       | Super Red                | 660       | Water Clear      | 5-25                   | 1.7                   | 1000                | 20   | 8              |
| SSL-LX100133XRC/2          | GaAlAs       | Super Red                | 660       | Water Clear      | 5-25                   | 1.7                   | 2000                | 20   | 8              |
| SSL-LX100133XRC/3          | GaAlAs       | Super Red                | 660       | Water Clear      | 5-25                   | 1.7                   | 3000                | 20   | 8              |
| SSL-LX100133XSBC/A         | InGaP        | Super Blue               | 430       | Water Clear      | 5-25                   | 3.5                   | 600                 | 20   | 8              |
| SSL-LX100133XSGC           | GaP          | Super Green              | 565       | Water Clear      | 5-25                   | 2.2                   | 600                 | 20   | 8              |
| SSL-LX100133XYC/A          | AlInGaP      | Super Yellow             | 590       | Water Clear      | 5-25                   | 2.1                   | 1000                | 20   | 8              |
| SSL-LX100133XYC/B          | AlInGaP      | Super Yellow             | 590       | Water Clear      | 5-25                   | 2.1                   | 2500                | 20   | 8              |

## SSL-LX20R6 Series

## T-22mm Dome, 2-Pin



### FEATURES / OPTIONS

- ▶ State-of-the-Art, High Brightness Chip Technology
- ▶ Choice of Colors and Lens Finishes
- ▶ PCB with Chips on Board Construction
- ▶ Easy-to-Solder Leads, Tin Finish
- ▶ Lead Trimming and Forming Available
- ▶ Custom Shapes, Easily Tooled, Low Minimum
- ▶ Blinking LED
- ▶ With Internal Resistor for 5V and 12V Operation

### APPLICATIONS / USES

- ▶ Board or Panel Indication or Illumination
- ▶ Backlighting of Overlays and Graphics
- ▶ Annunciator and Control Panels
- ▶ Telecom Switches and Central Station Equipment
- ▶ Large Panel Indicators

| Lumex Part Number          | Die Material | Emitted Color            | Peak (nm) | Lens            | Operating Current (mA) | Operating TYP. Vf (V) | Brightness TYP. Mcd | @ mA | View Angle° 2θ |
|----------------------------|--------------|--------------------------|-----------|-----------------|------------------------|-----------------------|---------------------|------|----------------|
| <b>HIGH BRIGHTNESS</b>     |              |                          |           |                 |                        |                       |                     |      |                |
| SSL-LX20R6SID              | AlInGaP      | Super High Intensity Red | 636       | Red Diffused    | 5-25                   | 6.0                   | 500                 | 20   | 120            |
| SSL-LX20R6SOD              | AlInGaP      | Super Orange             | 610       | Orange Diffused | 5-25                   | 6.0                   | 1100                | 20   | 120            |
| SSL-LX20R6SUGD             | AlInGaP      | Super Ultra Green        | 574       | Green Diffused  | 5-25                   | 6.6                   | 300                 | 20   | 120            |
| SSL-LX20R6SYD              | AlInGaP      | Super Yellow             | 590       | Yellow Diffused | 5-25                   | 6.0                   | 750                 | 20   | 120            |
| SSL-LX20R6USBD             | InGaN/SiC    | Ultra Super Blue         | 470       | Blue Diffused   | 5-25                   | 10.5                  | 120                 | 20   | 120            |
| <b>STANDARD BRIGHTNESS</b> |              |                          |           |                 |                        |                       |                     |      |                |
| SSL-LX20R6GD               | GaP          | Green                    | 565       | Green Diffused  | 5-25                   | 6.6                   | 25                  | 20   | 120            |
| SSL-LX20R6ID               | GaAsP        | High Intensity Red       | 635       | Red Diffused    | 5-25                   | 6.0                   | 35                  | 20   | 120            |
| SSL-LX20R6SRD              | GaAlAs       | Super Red                | 660       | Red Diffused    | 5-25                   | 5.1                   | 400                 | 20   | 120            |
| SSL-LX20R6YD               | GaAsP        | Yellow                   | 585       | Yellow Diffused | 5-25                   | 6.3                   | 23                  | 20   | 120            |



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