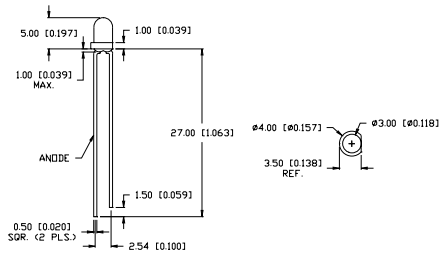


# Discrete LEDs ~ Dome Lens



## SSL-LX30S54 Series

T-3mm, 5mm Lens



### 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

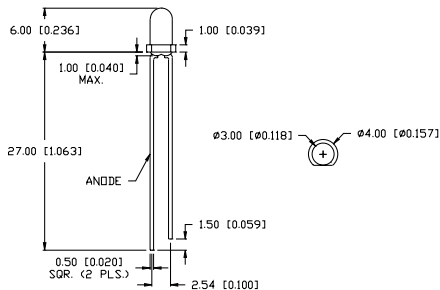
### APPLICATIONS / USES

- ▶ 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-LX30S54SID             | AlInGaP      | Super High Intensity Red | 636       | Red Diffused    | 5-25                   | 2                     | 100                 | 20   | 60             |
| SSL-LX30S54SOD             | AlInGaP      | Super Orange             | 610       | Orange Diffused | 5-25                   | 2                     | 100                 | 20   | 60             |
| SSL-LX30S54SUGD            | AlInGaP      | Super Ultra Green        | 574       | Green Diffused  | 5-25                   | 2.2                   | 100                 | 20   | 60             |
| SSL-LX30S54SYD             | AlInGaP      | Super Yellow             | 590       | Yellow Diffused | 5-25                   | 2                     | 100                 | 20   | 60             |
| SSL-LX30S54USBD            | InGaN/SiC    | Ultra Super Blue         | 470       | Blue Diffused   | 5-25                   | 3.5                   | 100                 | 20   | 60             |
| <b>STANDARD BRIGHTNESS</b> |              |                          |           |                 |                        |                       |                     |      |                |
| SSL-LX30S54GD              | GaP          | Green                    | 565       | Green Diffused  | 5-25                   | 2.2                   | 20                  | 20   | 60             |
| SSL-LX30S54HD              | GaP          | High Efficiency Red      | 700       | Red Diffused    | 5-25                   | 2                     | 10                  | 20   | 60             |
| SSL-LX30S54ID              | GaAsP        | High Intensity Red       | 635       | Red Diffused    | 5-25                   | 2                     | 30                  | 20   | 60             |
| SSL-LX30S54SRD             | GaAlAs       | Super Red                | 660       | Red Diffused    | 5-25                   | 1.7                   | 40                  | 20   | 60             |
| SSL-LX30S54YD              | GaAsP        | Yellow                   | 585       | Yellow Diffused | 5-25                   | 2.1                   | 20                  | 20   | 60             |

## SSL-LX305C4 Series

T-3mm Front Flange Flat



### 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-LX305C4SID             | AlInGaP      | Super High Intensity Red | 636       | Red Diffused    | 5-25                   | 2                     | 200                 | 20   | 60             |
| SSL-LX305C4SOD             | AlInGaP      | Super Orange             | 610       | Orange Diffused | 5-25                   | 2                     | 200                 | 20   | 60             |
| SSL-LX305C4SUGD            | AlInGaP      | Super Ultra Green        | 574       | Green Diffused  | 5-25                   | 2.2                   | 120                 | 20   | 60             |
| SSL-LX305C4SYD             | AlInGaP      | Super Yellow             | 590       | Yellow Diffused | 5-25                   | 2                     | 120                 | 20   | 60             |
| SSL-LX305C4USBD            | InGaN/SiC    | Ultra Super Blue         | 470       | Blue Diffused   | 5-25                   | 3.5                   | 120                 | 20   | 60             |
| <b>STANDARD BRIGHTNESS</b> |              |                          |           |                 |                        |                       |                     |      |                |
| SSL-LX305C4GD              | GaP          | Green                    | 565       | Green Diffused  | 5-25                   | 2.2                   | 20                  | 20   | 60             |
| SSL-LX305C4HD              | GaP          | High Efficiency Red      | 700       | Red Diffused    | 5-25                   | 2.1                   | 10                  | 20   | 60             |
| SSL-LX305C4ID              | GaAsP        | High Intensity Red       | 635       | Red Diffused    | 5-25                   | 2                     | 30                  | 20   | 60             |
| SSL-LX305C4SRD             | GaAlAs       | Super Red                | 660       | Red Diffused    | 5-25                   | 1.7                   | 80                  | 20   | 60             |
| SSL-LX305C4YD              | GaAsP        | Yellow                   | 585       | Yellow Diffused | 5-25                   | 2.1                   | 20                  | 20   | 60             |



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