LEDs
Leuchtdioden
Diode Luminescente
Sloan LEDs

Through hole LED's

Ø 3mm  blue, green, red, white, yellow
Ø 5mm  blue, green, bluish-green, red, warm-white, white, yellow

LED spacer  Ø3mm / Ø5mm  3-25mm

PowerLED's

PL1  warm-white, white
PL4  warm-white, natural-white, cold-white blue, green, red, yellow
PL6  warm-white, natural-white, cold-white blue, green, red, yellow

SMD LED's

0603  blue, green, warm-white, red, white, yellow
0805  blue, green, warm-white, red, white, yellow
1206  blue, green, warm-white, red, white, yellow
PLCC2  blue, green, warm-white, red, natural-white, white, yellow
PLCC6  blue, green, warm-white, red, natural-white, white, yellow, RGB

ElectroStatic Damage ESD
Precautions for LED’s
Through-hole LED

- high luminosity
- long lifetime up to 75'000 hours
- high quality for professional application
- RoHS compliant

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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Peak Wavelength</th>
<th>Intensity (mcd)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
<th>Type</th>
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<tbody>
<tr>
<td>L3-B71G-WVV</td>
<td>470 nm</td>
<td>4400 6550 8750</td>
<td>15° 3.2 3.5</td>
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<td>L3-B41G-WTU</td>
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<td>45° 3.6 4.0</td>
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Electro-Optical-Characteristics Ta=25°C, Forward Current: IF Typical = 20mA,
1/10 Duty Cycle, 10ms Pulse Width: up to 110mA, depending on type number.
Storage Temp. -40 →+100 (°C) Operating Temp. -30 →+85 (°C)

Detailed data sheets are available on request

Dimensions (mm)

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<td>5.0</td>
<td>9.7</td>
<td>26.2</td>
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Through-hole LED

- high luminosity
- long lifetime up to 75,000 hours
- high quality for professional application
- application: TV set, Monitor, Computer, PC-Board
- RoHS compliant

**Through-hole LED Ø 3mm green**

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<th>Type</th>
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<tr>
<td>L3-G41N-GVW</td>
<td>525</td>
<td>24640 - 34800</td>
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<td>L3-G51N-GUV</td>
<td>525</td>
<td>7400 - 14000</td>
<td>30</td>
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<td>L3-G310-1</td>
<td>555</td>
<td>10 - 40</td>
<td>20</td>
<td>2.1 - 2.8</td>
<td>waterclear</td>
<td>3</td>
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<tr>
<td>L3-G301</td>
<td>568</td>
<td>30 - 50</td>
<td>40</td>
<td>2.2 - 2.6</td>
<td>green diffused</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electro-Optical-Characteristics**

- Ta=25°C, Forward Current: IF Typical = 20mA,
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<td>26.9</td>
<td>3.8</td>
</tr>
<tr>
<td>3</td>
<td>4.0</td>
<td>4.7</td>
<td>No stopper</td>
<td>32.0</td>
<td>3.8</td>
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<tr>
<td>4</td>
<td>4.5</td>
<td>5.3</td>
<td>No stopper</td>
<td>30.7</td>
<td>3.8</td>
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SLOAN AG ● Birmannsgasse 8 ● CH-4055 Basel ● Phone 0041 61 264 10 60 ● Fax 0041 61 264 10 75 ● E-Mail: info@sloan-basel.com ● Internet: www.sloan.ch
Through-hole LED

- high luminosity
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- high quality for professional application
- application: TV set, Monitor, Computer, PC-Board
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![Through-hole LED](image)

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<tbody>
<tr>
<td>L3-R33U</td>
<td>638 nm</td>
<td>2200 3200 4480</td>
<td>14°</td>
<td>2.25 2.5</td>
<td>waterclear</td>
<td>1</td>
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<tr>
<td>L3-R41Q</td>
<td>640 nm</td>
<td>1500 2500 4000</td>
<td>24°</td>
<td>1.7 2.4</td>
<td>waterclear</td>
<td>1</td>
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<tr>
<td>L3-R32U</td>
<td>635 nm</td>
<td>900 1600 2240</td>
<td>35°</td>
<td>2.0 2.5</td>
<td>waterclear</td>
<td>1</td>
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<td>L3-R30U</td>
<td>635 nm</td>
<td>700 1000 1400</td>
<td>40°</td>
<td>2.0 2.5</td>
<td>waterclear</td>
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<td>L3-R310-1</td>
<td>660 nm</td>
<td>40 80 110</td>
<td>15°</td>
<td>1.7 2.0</td>
<td>waterclear</td>
<td>3</td>
</tr>
<tr>
<td>L3-R301</td>
<td>700 nm</td>
<td>5 8 20</td>
<td>40°</td>
<td>2.2 2.6</td>
<td>red diffused</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electro-Optical-Characteristics**

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---

**Part Number**

- L3-R33U
- L3-R41Q
- L3-R32U
- L3-R30U
- L3-R310-1
- L3-R301

**Electrical Characteristics**

- Voltage (V): min. typ. max.
- Angle (deg): min. typ.
- Lens Colour: waterclear, red diffused

**Dimensions**

- A: 4.3 5.3
- B: 3.4 4.4
- C: 4.0 4.7
- D: 29.7 28.8 32.0 30.7
- E: 3.8 3.1 3.8 3.8

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**Notes**

- Detailed data sheets are available on request
### Through-hole LED

- high luminosity
- long lifetime up to 50'000 hours
- high quality for professional application
- RoHS compliant

**Part Number** | **Colour Temp. (°K)** | **Intensity (mcd)** | **Angle (deg)** | **Voltage (V)** | **Lens Colour** | **Type**
--- | --- | --- | --- | --- | --- | ---
L3-W37N-BVW | 5500-9000° | 9480-19960 | 20° | 3.2-3.5 | waterclear | 1
L3-W36N-BVW | 5500-9000° | 4610-9220 | 50° | 3.2-3.5 | waterclear | 2
L3-W32N-BVW | 5500-9000° | 2520-5040 | 60° | 3.2-3.5 | white diffused | 2

**Electro-Optical-Characteristics**

Ta=25°C, Forward Current: IF Typical = 20mA, 1/10 Duty Cycle, 10ms Pulse Width: up to 100mA, depending on type number.

Storage Temp. -40 to +100 (°C) Operating Temp. -30 to +85 (°C)

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Through-hole LED

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Part Number | Peak Wavelength | Intensity (mcd) | Angle (deg) | Voltage (V) | Lens Colour | Type
--- | --- | --- | --- | --- | --- | ---
L3-Y33U | 592 nm | min typ max | 2100 4200 - | 14° | 2.25 2.6 | waterclear | 1
L3-Y32U | 592 nm | min typ max | 1100 2200 3080 | 35° | 2.25 2.6 | waterclear | 1
L3-Y41Q | 592 nm | min typ max | 1000 2500 4000 | 24° | 2.0 2.6 | waterclear | 1
L3-Y30U | 592 nm | min typ max | 600 1200 - | 40° | 2.0 2.4 | waterclear | 2
L3-Y310-1 | 580 nm | min typ max | 20 40 56 | 20° | 2.2 2.8 | waterclear | 3
L3-Y301 | 585 nm | min typ max | 20 30 40 | 40° | 2.1 2.6 | yellow diffused | 4

Electro-Optical-Characteristics Ta=25°C, Forward Current: IF Typical = 20mA,
1/10 Duty Cycle, 0.01ms Pulse Width: up to 100mA, depending on type number.
Storage Temp. -40→100 (°C) Operating Temp. -40→85 (°C)

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Dimensions (mm)

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<tr>
<td>1</td>
<td>4.3</td>
<td>5.3</td>
<td>No stopper</td>
<td>29.7</td>
<td>3.8</td>
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<tr>
<td>2</td>
<td>3.4</td>
<td>4.4</td>
<td>No stopper</td>
<td>28.8</td>
<td>3.1</td>
</tr>
<tr>
<td>3</td>
<td>4.0</td>
<td>4.7</td>
<td>No stopper</td>
<td>32.0</td>
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<tr>
<td>4</td>
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<td>No stopper</td>
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## Through-hole LED

- high luminosity
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### Through-hole LED ø 5mm blue


<table>
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<tr>
<th>Part Number</th>
<th>Peak Wavelength (nm)</th>
<th>Intensity (mcd)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
<th>Type</th>
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<tbody>
<tr>
<td>L5-B91G-WUV</td>
<td>470</td>
<td>4880 6960 9750</td>
<td>15</td>
<td>3.2 3.5</td>
<td>waterclear</td>
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<tr>
<td>L5-B21G-WVW</td>
<td>470</td>
<td>3010 4190 6020</td>
<td>30</td>
<td>3.2 3.5</td>
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<td>L5-B5SC</td>
<td>470</td>
<td>1000 2500 4000</td>
<td>30</td>
<td>3.5 3.8</td>
<td>waterclear</td>
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**Electro-Optical-Characteristics**

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<td>7.3</td>
<td>8.3</td>
<td>12.1</td>
<td>28.6</td>
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<tr>
<td>3</td>
<td>7.6</td>
<td>8.6</td>
<td>No stopper</td>
<td>34.1</td>
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<td>L5-G81N-GUV</td>
<td>525 nm</td>
<td>21650 32500 43300</td>
<td>15°</td>
<td>3.2 3.6</td>
<td>waterclear</td>
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<td>L5-G61N-GT</td>
<td>525 nm</td>
<td>6000 7200 8400</td>
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<td>3.5 4.0</td>
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<td>L5-G71N-GU</td>
<td>525 nm</td>
<td>4600 5620 6640</td>
<td>45°</td>
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<td>L5-G501</td>
<td>568 nm</td>
<td>50 80 95</td>
<td>40°</td>
<td>2.2 2.6</td>
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<tr>
<td>L5-BG1N</td>
<td>500 nm</td>
<td>4200 9800 14200</td>
<td>10°</td>
<td>3.5 4.0</td>
<td>waterclear</td>
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<tr>
<td>L5-BG1G</td>
<td>500 nm</td>
<td>3200 3920 4600</td>
<td>30°</td>
<td>3.5 4.0</td>
<td>waterclear</td>
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<td>13.2</td>
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<td>5.6</td>
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<td>7.9</td>
<td>8.9</td>
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<td>L5-R91H</td>
<td>621 nm</td>
<td>9300 --- 21000</td>
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<td>L5-R54U</td>
<td>638 nm</td>
<td>3500 7000 9800</td>
<td>12°</td>
<td>2.25 2.6</td>
<td>waterclear</td>
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<td>L5-R55U-RSTU</td>
<td>625 nm</td>
<td>3400 4800 9600</td>
<td>30°</td>
<td>2.1 2.5</td>
<td>waterclear</td>
<td>4</td>
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<tr>
<td>L5-R52U</td>
<td>638 nm</td>
<td>2000 4000 5600</td>
<td>30°</td>
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<td>waterclear</td>
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<td>L5-R521</td>
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<td>50 80 95</td>
<td>35°</td>
<td>2.0 2.6</td>
<td>red diffused</td>
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<tr>
<td>2</td>
<td>7.6</td>
<td>8.6</td>
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<td>33.0</td>
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<td>7.6</td>
<td>8.6</td>
<td>No stopper</td>
<td>34.0</td>
<td>5.7</td>
</tr>
<tr>
<td>4</td>
<td>7.1</td>
<td>8.3</td>
<td>12.1</td>
<td>28.6</td>
<td>5.6</td>
</tr>
</tbody>
</table>

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
Through-hole LED

- high luminosity
- long lifetime up to 50'000 hours
- high quality for professional application
- RoHS compliant

**Through-hole LED ø 5mm warm-white**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Colour Temp. (°K)</th>
<th>Intensity (mcd) min</th>
<th>typ</th>
<th>max</th>
<th>Angle (deg) min</th>
<th>typ</th>
<th>max</th>
<th>Lens Colour</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5-N55N-FUV</td>
<td>2500-3500°</td>
<td>15500</td>
<td>22000</td>
<td>31000</td>
<td>15°</td>
<td>3.2</td>
<td>3.5</td>
<td>waterclear</td>
<td>1</td>
</tr>
<tr>
<td>L5-N603 STEF</td>
<td>2900°</td>
<td>10000</td>
<td>14000</td>
<td>20000</td>
<td>20°</td>
<td>3.2</td>
<td>3.8</td>
<td>waterclear</td>
<td>2</td>
</tr>
<tr>
<td>L5-N52N-FTU</td>
<td>2500-3500°</td>
<td>3000</td>
<td>4250</td>
<td>6000</td>
<td>50°</td>
<td>3.2</td>
<td>3.5</td>
<td>waterclear</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electro-Optical-Characteristics Ta=25°c, Forward Current: IF Typical = 20mA, 1/10 Duty Cycle, 0.1ms Pulse Width: up to 100mA, depending on type number.**

Storage Temp. -40 →+100 (°C) Operating Temp. -30 →+85 (°C)

Detailed data sheets are available on request

### Dimensions (mm)

```
<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.6</td>
<td>8.6</td>
<td>12.4</td>
<td>28.9</td>
<td>5.6</td>
</tr>
<tr>
<td>2</td>
<td>7.7</td>
<td>8.7</td>
<td>No stopper</td>
<td>35.7</td>
<td>5.9</td>
</tr>
<tr>
<td>3</td>
<td>7.3</td>
<td>8.3</td>
<td>12.1</td>
<td>28.6</td>
<td>5.6</td>
</tr>
</tbody>
</table>
```

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
**Through-hole LED**

- high luminosity
- long lifetime up to 50'000 hours
- high quality for professional application
- RoHS compliant

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Colour Temp. (°K)</th>
<th>Intensity (mcd)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5-W55N-BVW</td>
<td>5500-9000°</td>
<td>22000</td>
<td>15°</td>
<td>3.2</td>
<td>waterclear</td>
<td>1</td>
</tr>
<tr>
<td>L5-W601 TUD</td>
<td>5000°</td>
<td>14000</td>
<td>22°</td>
<td>3.2</td>
<td>waterclear</td>
<td>2</td>
</tr>
<tr>
<td>L5-W602 QRD</td>
<td>5000°</td>
<td>5000</td>
<td>40°</td>
<td>3.2</td>
<td>waterclear</td>
<td>3</td>
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<tr>
<td>L5-W53N-BVW</td>
<td>5500-9000°</td>
<td>5200</td>
<td>45°</td>
<td>3.2</td>
<td>waterclear</td>
<td>4</td>
</tr>
<tr>
<td>L5-W50N-BVW</td>
<td>5500-9000°</td>
<td>1610</td>
<td>65°</td>
<td>3.2</td>
<td>white diffused</td>
<td>4</td>
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</table>

**Electro-Optical-Characteristics Ta=25°C, Forward Current: IF Typical = 20mA,**
1/10 Duty Cycle, 10ms Pulse Width: up to 100mA, depending on type number.
Storage Temp. -40 →+100 °C Operating Temp. -30 →+85 °C

Detailed data sheets are available on request

### Dimensions (mm)

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.6</td>
<td>8.6</td>
<td>12.4</td>
<td>28.9</td>
<td>5.6</td>
</tr>
<tr>
<td>2</td>
<td>7.5</td>
<td>8.5</td>
<td>No stopper</td>
<td>35.5</td>
<td>5.6</td>
</tr>
<tr>
<td>3</td>
<td>7.7</td>
<td>8.7</td>
<td>No stopper</td>
<td>35.7</td>
<td>5.9</td>
</tr>
<tr>
<td>4</td>
<td>7.3</td>
<td>8.3</td>
<td>12.1</td>
<td>28.6</td>
<td>5.6</td>
</tr>
</tbody>
</table>

---

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
Through-hole LED

- high luminosity
- long lifetime up to 75'000 hours
- high quality for professional application
- application: TV set, Monitor, Computer, PC-Board
- RoHS compliant

Through-hole LED ø 5mm yellow

- high luminosity
- long lifetime up to 75'000 hours
- high quality for professional application
- application: TV set, Monitor, Computer, PC-Board
- RoHS compliant

Part Number | Peak Wavelength | Intensity (mcd) min | typ | max | Angle (deg) | Voltage (V) typ | max | Lens Colour | Type
---|---|---|---|---|---|---|---|---|---
L5-Y91H | 592 nm | 7200 | --- | 21000 | 6° | 1.98 | 2.4 | waterclear | 1
L5-Y54U | 592 nm | 3500 | 7000 | 9800 | 12° | 2.25 | 2.6 | waterclear | 2
L5-Y71Q-2 | 589 nm | 1000 | 3000 | 4000 | 18° | 1.8 | 2.5 | waterclear | 2
L5-Y50U | 592 nm | 1500 | 3000 | 4200 | 45° | 2.25 | 2.6 | waterclear | 2
L5-Y52U | 592 nm | 1200 | 3000 | 4200 | 30° | 2.0 | 2.5 | waterclear | 2
L5-Y501 | 585 nm | 50 | 80 | 95 | 40° | 2.1 | 2.6 | yellow diffused | 3

Electro-Optical-Characteristics Ta=25°C, Forward Current: IF Typical = 20mA,
1/10 Duty Cycle, 0.01ms Pulse Width: up to 100mA, depending on type number.
Storage Temp. -40 → +100 °C Operating Temp. -30 → +85 °C

Detailed data sheets are available on request

Dimensions (mm)

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.6</td>
<td>8.7</td>
<td>No stopper</td>
<td>31.6</td>
<td>5.8</td>
</tr>
<tr>
<td>2</td>
<td>7.6</td>
<td>8.6</td>
<td>No stopper</td>
<td>33.0</td>
<td>5.7</td>
</tr>
<tr>
<td>3</td>
<td>7.6</td>
<td>8.6</td>
<td>No stopper</td>
<td>34.0</td>
<td>5.7</td>
</tr>
</tbody>
</table>

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
Through-hole LED

- flashing frequency 2.5-1.5Hz
- power dissipation 200mW
- RoHS compliant

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Peak Wavelength</th>
<th>Intensity (mcd) min</th>
<th>Intensity (mcd) max</th>
<th>Angle (deg)</th>
<th>Voltage (V) min</th>
<th>Voltage (V) typ</th>
<th>Voltage (V) max</th>
<th>Current (mA) min</th>
<th>Current (mA) typ</th>
<th>Current (mA) max</th>
<th>Lens Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3-G3FF</td>
<td>565 nm</td>
<td>5.0</td>
<td>20.0</td>
<td>60°</td>
<td>3.5</td>
<td>9-12</td>
<td>13.0</td>
<td>6-70</td>
<td>6-70</td>
<td>6-70</td>
<td>green diffused</td>
</tr>
<tr>
<td>L3-R3FF</td>
<td>625 nm</td>
<td>12.5</td>
<td>32.0</td>
<td>60°</td>
<td>3.5</td>
<td>9-12</td>
<td>13.0</td>
<td>6-70</td>
<td>6-70</td>
<td>6-70</td>
<td>red diffused</td>
</tr>
<tr>
<td>L3-Y3FF</td>
<td>590 nm</td>
<td>5.0</td>
<td>20.0</td>
<td>60°</td>
<td>3.5</td>
<td>9-12</td>
<td>13.0</td>
<td>6-70</td>
<td>6-70</td>
<td>6-70</td>
<td>yellow diffused</td>
</tr>
</tbody>
</table>

Electro-Optical-Characteristics $T_a=25^\circ$C, Forward Current $IF$ Typical $=38-56mA$,
Storage Temp. $-50 \rightarrow +100 (^\circ$C)  Operating Temp. $-40 \rightarrow +70 (^\circ$C)

Detailed data sheets are available on request

Dimensions (mm)

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3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
Through-hole LED

- flashing frequency 2.5-1.5Hz
- power dissipation 200mW
- RoHS compliant

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Peak Wavelength</th>
<th>Intensity (mcd)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Current (mA)</th>
<th>Lens Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5-G5FF</td>
<td>565 nm</td>
<td>5.0 32.0</td>
<td>60°</td>
<td>3.5 9-12</td>
<td>13.0</td>
<td>green diffused</td>
</tr>
<tr>
<td>L5-R5FF</td>
<td>625 nm</td>
<td>20.0 80.0</td>
<td>60°</td>
<td>3.5 9-12</td>
<td>13.0</td>
<td>red diffused</td>
</tr>
<tr>
<td>L5-Y5FF</td>
<td>590 nm</td>
<td>5.0 32.0</td>
<td>60°</td>
<td>3.5 9.12</td>
<td>13.0</td>
<td>yellow diffused</td>
</tr>
</tbody>
</table>

Electro-Optical-Characteristics Ta=25°C, Forward Current: IF Typical = 38-56mA,
Storage Temp. -50 →100 (°C)  Operating Temp. -40 →70 (°C)

Detailed data sheets are available on request

Dimensions (mm)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.6</td>
<td>8.6</td>
<td>No stopper</td>
<td>35.6</td>
<td>5.9</td>
</tr>
</tbody>
</table>

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2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
## Accessories

**LED spacer Ø 3mm / Ø 5mm**

- temperature resistance of approx. 140°C
- material: PC-GV (polycarbonate) grey
- tolerance for length ±0.1mm
- RoHS compliant

### for 3mm LED`s

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Part No.</th>
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</thead>
<tbody>
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<td>546.71.03</td>
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<tr>
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</tr>
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<td>10.0mm</td>
<td>546.71.10</td>
</tr>
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<td>11.0mm</td>
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<td>546.71.24</td>
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<tr>
<td>25.0mm</td>
<td>546.71.25</td>
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### for 5mm LED`s

<table>
<thead>
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<th>Length (mm)</th>
<th>Part No.</th>
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<td>325.71.03</td>
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<tr>
<td>4.0mm</td>
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<td>325.71.24</td>
</tr>
<tr>
<td>25.0mm</td>
<td>325.71.25</td>
</tr>
</tbody>
</table>

---

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Specifications are subject to change without notice
SMD LED

- top LED
- dimension: 1.6 x 0.8 x 0.68mm
- viewing angle: 120°
- application: display, moving sign, backlight panel
- RoHS compliant

Part Number | Colour | Wavelength | Intensity (mcd) | Angle (deg) | Voltage (V) | Lens Colour
--- | --- | --- | --- | --- | --- | ---
SMD-B0603-02 | blue | 468 nm | 80 typ | 120° | 3.0 typ | waterclear
SMD-G0603-02 | green | 520 nm | 270 typ | 120° | 3.0 typ | waterclear
SMD-N0603-02 | warm white | 3000-3500°K | 460 typ | 120° | 3.0 typ | waterclear
SMD-R0603-02 | red | 630 nm | 90 typ | 120° | 1.6 typ | yellow diffused
SMD-W0603-02 | white | 6000-6500°K | 320 typ | 120° | 3.0 typ | yellow diffused
SMD-Y0603-02 | yellow | 592 nm | 90 typ | 120° | 1.8 typ | waterclear

Electro-Optical-Characteristics Ta=25°c, Forward Current: IF Typical = 20mA,
1/10 Duty Cycle, 0.1ms Pulse Width: up to 160mA, depending on colour
Storage Temp. -40 → +85 (°C) Operating Temp. -40 → +85 (°C)

Packaging: 4000pcs./reel
Detailed data sheets are available on request

Package Dimensions

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
### SMD LED

- top LED
- dimension: 2.0 x 1.25 x 0.68mm
- viewing angle: 120°
- application: display, moving sign, backlight panel
- RoHS compliant

#### Type 0805

- **Part Number**  |  **Colour**  |  **Dominant Wavelength**  |  **Intensity (mcd)**  |  **Angle (deg)**  |  **Voltage (V)**  |  **Lens Colour**
---|---|---|---|---|---|---
SMD-B0805-02  |  blue  |  466 nm  |  90 120  |  120°  |  3.0 3.2  |  waterclear  
SMD-G0805-02  |  green  |  520 nm  |  350 520  |  120°  |  3.0 3.2  |  waterclear  
SMD-N0805-02  |  warm white  |  3000-3500°K  |  500 700  |  120°  |  3.0 3.2  |  yellow diffused  
SMD-R0805-02  |  red  |  637 nm  |  60 100  |  120°  |  1.6 1.9  |  waterclear  
SMD-W0805-02  |  white  |  6000-6500°K  |  350 520  |  120°  |  3.0 3.2  |  yellow diffused 
SMD-Y0805-02  |  yellow  |  595 nm  |  90 140  |  120°  |  1.8 2.0  |  waterclear  

#### Electro-Optical-Characteristics

- Ta=25°C, Forward Current: IF Typical = 20mA, 1/10 Duty Cycle, 0.1ms Pulse Width: up to 180mA, depending on colour
- Storage Temp. -40 →+85 (°C) Operating Temp. -40 →+85 (°C)

Packaging: 3000pcs./reel

Detailed data sheets are available on request

### Package Dimensions

![Package Dimensions Diagram]

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
**SMD LED**

- **Type 1206**

**Part Number** | **Colour** | **Dominant Wavelength** | **Intensity (mcd)** | **Angle (deg)** | **Voltage (V)** | **Lens Colour**
--- | --- | --- | --- | --- | --- | ---
SMD-B1206-02 | blue | 470 nm | 65 (min) 100 (typ) | 120° | 3.0 (min) 3.2 (typ) | waterclear
SMD-G1206-02 | green | 520 nm | 300 (min) 550 (typ) | 120° | 3.0 (min) 3.2 (typ) | waterclear
SMD-N1206-02 | warm white | 3000-3500°K | 600 (min) 900 (typ) | 120° | 3.0 (min) 3.2 (typ) | waterclear
SMD-R1206-02 | red | 633 nm | 70 (min) 120 (typ) | 120° | 1.6 (min) 1.9 (typ) | yellow diffused
SMD-W1206-02 | white | 6000-6500°K | 350 (min) 500 (typ) | 120° | 3.0 (min) 3.2 (typ) | yellow diffused
SMD-Y1206-02 | yellow | 593 nm | 60 (min) 90 (typ) | 120° | 1.8 (min) 2.0 (typ) | waterclear

**Electro-Optical Characteristics**

- Ta=25°C, Forward Current: IF Typical = 20mA,
- 1/10 Duty Cycle, 0.1ms Pulse Width: up to 180mA, depending on colour
- Storage Temp. -40 → +85 (°C) Operating Temp. -40 → +85 (°C)

**Packaging:** 2000pcs./reel

Detailed data sheets are available on request

**Package Dimensions**

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice

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**SLOAN AG**
Birmannsgasse 8 ● CH-4055 Basel ● Phone 0041 61 264 10 60 ● Fax 0041 61 264 10 75 ● E-Mail: info@sloan-basel.com ● Internet: www.sloan.ch
SMD LED

- top LED
- dimension: 3.2 x 2.8 x 1.9mm
- viewing angle: 120°
- application: display, moving sign, backlight panel
- RoHS compliant

**SMD LED Type PLCC2**

- **Part Number**
- **Colour**
- **Peak Wavelength**
- **Intensity (mcd)**
- **Angle (deg)**
- **Voltage (V)**
- **Lens Colour**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Colour</th>
<th>Peak Wavelength</th>
<th>Intensity (mcd)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD-BPLCC-02</td>
<td>blue</td>
<td>470 nm</td>
<td>220</td>
<td>120°</td>
<td>3.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>SMD-GPLCC-02</td>
<td>green</td>
<td>515 nm</td>
<td>600</td>
<td>120°</td>
<td>3.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>SMD-NPLCC-02</td>
<td>warm white</td>
<td>3300-3500°K</td>
<td>600</td>
<td>120°</td>
<td>3.0</td>
<td>yellow diffused</td>
</tr>
<tr>
<td>SMD-RPLCC-02</td>
<td>red</td>
<td>621 nm</td>
<td>160</td>
<td>120°</td>
<td>1.6</td>
<td>waterclear</td>
</tr>
<tr>
<td>SMD-SPLCC-02</td>
<td>natural white</td>
<td>4000-5000°K</td>
<td>2100</td>
<td>120°</td>
<td>2.8</td>
<td>yellow diffused</td>
</tr>
<tr>
<td>SMD-WPLCC-02</td>
<td>white</td>
<td>6500-7000°K</td>
<td>850</td>
<td>120°</td>
<td>3.0</td>
<td>yellow diffused</td>
</tr>
<tr>
<td>SMD-YPLCC-02</td>
<td>yellow</td>
<td>586 nm</td>
<td>300</td>
<td>120°</td>
<td>1.8</td>
<td>waterclear</td>
</tr>
</tbody>
</table>

**Electro-Optical-Characteristics**

- Ta=25°C, Forward Current: IF Typical = 20mA, 1/10 Duty Cycle, 0.1ms Pulse Width: up to 180mA, depending on colour
- Storage Temp. -40→+85 (°C)       Operating Temp. -40→+85 (°C)
- Packaging: 2000pcs./reel

Detailed data sheets are available on request

**Package Dimensions**

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice

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SLOAN AG ● Birmannsgasse 8 ● CH-4055 Basel ● Phone 0041 61 264 10 60 ● Fax 0041 61 264 10 75 ● E-Mail: info@sloan-basel.com ● Internet: www.sloan.ch
SMD LED

- top LED
- dimension: 3.2 x 2.8 x 1.9mm
- viewing angle: 115°
- application: display, moving sign, backlight panel
- RoHS compliant

**SMD LED Type PLCC2**

- **Part Number**
- **Colour**
- **Peak Wavelength**
- **Intensity (mcd)**
- **Angle (deg)**
- **Voltage (V)**
- **Lens Colour**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Colour</th>
<th>Peak Wavelength</th>
<th>Intensity (mcd)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD-YPLCC-05</td>
<td>yellow</td>
<td>583-595 nm</td>
<td>360</td>
<td>690</td>
<td>100</td>
<td>115°</td>
</tr>
<tr>
<td>SMD-BPLCC-05</td>
<td>blue</td>
<td>464-475 nm</td>
<td>150</td>
<td>310</td>
<td>426</td>
<td>115°</td>
</tr>
<tr>
<td>SMD-GPLCC-05</td>
<td>green</td>
<td>520-535 nm</td>
<td>560</td>
<td>870</td>
<td>1560</td>
<td>115°</td>
</tr>
<tr>
<td>SMD-NPLCC-05</td>
<td>warm-white</td>
<td>3500°-4500°K</td>
<td>720</td>
<td>1300</td>
<td>2000</td>
<td>115°</td>
</tr>
<tr>
<td>SMD-RPLCC-05</td>
<td>red</td>
<td>615-635 nm</td>
<td>360</td>
<td>640</td>
<td>1000</td>
<td>115°</td>
</tr>
<tr>
<td>SMD-WPLCC-05</td>
<td>white</td>
<td>5500°-9000°K</td>
<td>1440</td>
<td>2600</td>
<td>4000</td>
<td>115°</td>
</tr>
</tbody>
</table>

**Electro-Optical-Characteristics**

- Ta=25°C, Forward Current: IF Typical = 20mA,
- 1/10 Duty Cycle, 10ms Pulse Width: up to 100mA, depending on colour
- Storage Temp. -40 → +110 (°C) Operating Temp. -40 → +110 (°C)
- Packaging: 2000pcs./reel

Detailed data sheets are available on request

**Package Dimensions**

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice

SLOAN AG ● Birmannsgasse 8 ● CH-4055 Basel ● Phone 0041 61 264 10 60 ● Fax 0041 61 264 10 75 ● E-Mail: info@sloan-basel.com ● Internet: www.sloan.ch
SMD LED

- top LED
- dimension: 5.0 x 5.0 x 1.5mm
- viewing angle: 120°
- application: display, moving sign, backlight panel
- the die’s can be controlled serial (20mA) or parallel (60mA)
- suitable for all SMD assembly and solder process
- RoHS compliant

**Type PLCC6**

**SMD LED Type PLCC6**

- **top LED**
- **dimension:** 5.0 x 5.0 x 1.5mm
- **viewing angle:** 120°
- **application:** display, moving sign, backlight panel
- **the die’s** can be controlled serial (20mA) or parallel (60mA)
- **suitable for all SMD assembly and solder process**
- **RoHS compliant**

### Part Number | Colour | Peak Wavelength | Intensity (mcd) | Angle (deg) | Voltage (V) | Lens Colour
--- | --- | --- | --- | --- | --- | ---
SMD-BPLCC6-02 | blue | 475 nm | 355 min, 520 typ | 120° | 3.0 min, 3.2 typ | waterclear
SMD-GPLCC6-02 | green | 520 nm | 1715 min, 2350 typ | 120° | 3.0 min, 3.2 typ | waterclear
SMD-NPLCC6-02 | warm white | 3000-3500°K | 2900 min, 4100 typ | 120° | 3.0 min, 3.2 typ | yellow diffused
SMD-RPLCC6-02 | red | 621 nm | 355 min, 500 typ | 120° | 1.8 min, 2.0 typ | waterclear
SMD-SPLCC6-02 | natural white | 4000-5000°K | 5300 min, 6600 typ | 120° | 2.8 min, 3.4 typ | yellow diffused
SMD-WPLCC6-02 | white | 6000-7000°K | 2900 min, 4100 typ | 120° | 3.0 min, 3.2 typ | yellow diffused
SMD-YPLCC6-02 | yellow | 586 nm | 460 min, 660 typ | 120° | 1.8 min, 2.0 typ | waterclear

**Full Colour RGB**

- **red** | 621 nm | 160 min, 200 typ | 120° | 1.6 min, 1.9 typ | waterclear
- **green** | 520 nm | 600 min, 780 typ | 120° | 3.0 min, 3.2 typ | waterclear
- **blue** | 470 nm | 125 min, 160 typ | 120° | 3.0 min, 3.2 typ | waterclear

**Electro-Optical-Characteristics**

- **Ta=25°c, Forward Current:** IF Typical = 20mA (x 3),
- Storage Temp. -40 — +85 (°C) Operating Temp. -40 — +85 (°C)
- Packaging: 1000pcs./reel
- Detailed data sheets are available on request

### Single Colour

![Single Colour Diagram](image)

### Full Colour RGB

![Full Colour RGB Diagram](image)

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
PowerLED 1W

- high luminosity
- long lifetime up to 50’000 hours
- high quality for professional application
- RoHS compliant

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Colour</th>
<th>Colour Temp. (°K)</th>
<th>Intensity (lm)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL1-NL11-00</td>
<td>warm white</td>
<td>3000°</td>
<td>70 95 100</td>
<td>120°</td>
<td>3.5 4.0</td>
<td>yellow diffused</td>
</tr>
<tr>
<td>PL1-NL11-01</td>
<td>warm white</td>
<td>2700°</td>
<td>70 95 100</td>
<td>120°</td>
<td>3.5 4.0</td>
<td>yellow diffused</td>
</tr>
<tr>
<td>PL1-WL11-00</td>
<td>white</td>
<td>4500-5500°</td>
<td>100 110 120</td>
<td>120°</td>
<td>3.5 4.0</td>
<td>yellow diffused</td>
</tr>
</tbody>
</table>

Electro-Optical-Characteristics Ta=25°C, Forward Current: IF Typical = 350mA,
1/10 Duty Cycle, 10ms Pulse Width: up to 600mA, depending on colour
Storage Temp. -40 → 100 (°C)  Operating Temp. -40 → 100 (°C)
Packaging: 1400pcs./reel

Detailed data sheets are available on request

Package Dimensions

Do not drive at rated current more than 5 sec. without proper heat sink.

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
PowerLED

- high luminosity
- high quality for professional application
- RoHS compliant
- reflow soldering
- with lens

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Colour</th>
<th>Wavelength</th>
<th>Intensity (lm)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL4-NL01-G</td>
<td>warm white</td>
<td>2900-3000°K</td>
<td>60.0 --- 80.0</td>
<td>125°</td>
<td>3.0 4.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL4-SL01-E</td>
<td>natural white</td>
<td>3700-4000°K</td>
<td>70.0 --- 90.0</td>
<td>125°</td>
<td>3.0 4.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL4-VL01-C</td>
<td>white</td>
<td>4700-5000°K</td>
<td>91.0 --- 154.0</td>
<td>125°</td>
<td>3.0 4.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL4-WL01-A</td>
<td>white</td>
<td>6000-6500°K</td>
<td>91.0 --- 154.0</td>
<td>125°</td>
<td>3.0 4.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL4-GL01-00</td>
<td>blue</td>
<td>455-475 nm</td>
<td>--- 22.0 ---</td>
<td>125°</td>
<td>3.0 4.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL4-GL01-00</td>
<td>green</td>
<td>520-535 nm</td>
<td>--- 70.0 ---</td>
<td>125°</td>
<td>3.0 4.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL4-RL01-00</td>
<td>red</td>
<td>618-632 nm</td>
<td>--- 48.0 ---</td>
<td>125°</td>
<td>2.0 3.0</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL4-YL01-00</td>
<td>yellow</td>
<td>585-595 nm</td>
<td>41.5 --- 70.0</td>
<td>125°</td>
<td>2.0 3.0</td>
<td>waterclear</td>
</tr>
</tbody>
</table>

Electro-Optical Characteristics Ta=25°C. Forward Current: IF Typical = 350mA,
1/10 Duty Cycle, 0.01ms Pulse Width: up to 1000mA, depending on colour
Storage Temp. -40 →+100 (°C) Operating Temp. -40 →+85 (°C)

Packaging: 500pcs./reel

Detailed data sheets are available on request

Do not drive at rated current more than 5 sec. without proper heat sink.
PowerLED

- high luminosity
- high quality for professional application
- RoHS compliant
- reflow soldering
- with lens

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Colour</th>
<th>Wavelength</th>
<th>Intensity (lm)</th>
<th>Angle (deg)</th>
<th>Voltage (V)</th>
<th>Lens Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL6-NL01-G</td>
<td>warm white</td>
<td>2900-3000°K</td>
<td>85</td>
<td>120°</td>
<td>3.3</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL6-SL01-E</td>
<td>natural white</td>
<td>3700-4000°K</td>
<td>120</td>
<td>120°</td>
<td>3.3</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL6-WL01-C</td>
<td>white</td>
<td>4700-5000°K</td>
<td>120</td>
<td>120°</td>
<td>3.3</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL6-WL01-A</td>
<td>white</td>
<td>6000-6500°K</td>
<td>120</td>
<td>120°</td>
<td>3.3</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL6-BL01-00</td>
<td>blue</td>
<td>465 nm</td>
<td>28</td>
<td>128°</td>
<td>3.3</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL6-GL01-00</td>
<td>green</td>
<td>525 nm</td>
<td>100</td>
<td>128°</td>
<td>3.3</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL6-RL01-00</td>
<td>red</td>
<td>625 nm</td>
<td>55</td>
<td>123°</td>
<td>2.4</td>
<td>waterclear</td>
</tr>
<tr>
<td>PL6-YL01-00</td>
<td>yellow</td>
<td>592 nm</td>
<td>46</td>
<td>123°</td>
<td>2.3</td>
<td>waterclear</td>
</tr>
</tbody>
</table>

Electro-Optical-Characteristics Ta=25°C. Forward Current: IF Typical = 350mA, 1000mA (1/10 duty @ 1kHz), depending on colour
Storage Temp. -40 → +100 (°C) Operating Temp. -40 → +85 (°C)
Packaging: 1000pcs./reel
Detailed data sheets are available on request

Do not drive at rated current more than 5 sec. without proper heat sink.

1. All specifications according to information from our manufacturers, without additional guarantee on our part
2. All dimensions are in millimetres
3. Tolerance is ±0.25mm unless otherwise specified
4. Specifications are subject to change without notice
Indium Gallium Nitride (InGaN) LED’s are sensitive for static electricity. The electric shock such as surge may deteriorate the quality of LED device. It is recommended to use a wristband or anti-electrostatic gloves when handling the LED’s. All devices, equipment and machinery must be electrically grounded.

Layers sandwiched by the electrodes. The distance between the electrodes is small and therefore the static electricity resistance of these LED’s is not so high. If high voltage such as surge is applied on the LED, its semiconductor P/N junction may be damaged because of the electric discharge.

**Characteristics**

The damaged part generally indicate the same characteristics as the resistor’s. It may show the characteristics of diode even after it was damaged depending on the level of the discharge. It is the same characteristics when the LED and the resistor are connected parallel. - Current vs. Voltage. Even though the current flows at low voltage, the LED becomes inefficient device because the current is lost before the emission starts. – Luminosity vs. Voltage. However it is difficult to find the damaged LED since the LED may emit the light at the normal condition such as $V_F = 3.6 \text{ V}$.

**Reliability**

The brightness of the LED becomes lower because of the extra current consumed at the damaged part. The reliability of the damaged LED cannot be estimated since it depends on the location and level of damage.

**Inspection**

It is recommended to inspect the products featuring InGaN LED’s before shipment to realize if the LED’s are not electrostatic damaged. The damaged LED is found if it indicates the characteristics above when the reverse current ($I_R$) and the forward voltage ($V_F$) are measured. In case this measurement cannot be made because of the application, we recommend the brightness inspection at lower current such as less than $1\text{ mA}$. The damaged LED is found easily since it is dark.
Precautions for LED’s

It is well known that semiconductors are easily damaged by electrostatic charges. If the proper handling precautions are not taken, there is a possibility of damaging our LED’s with static electricity. During final processing, packaging and delivery the following precautions should be taken in order to prevent damage to the LED’s.

Countermeasures for electrostatic charges:

a. If it is possible at all do not generate electrostatic charges. If this does occur, the size of the charge should be suppressed as much as possible.
b. If it is possible at all do not hold an electrostatic charge. An attempt should be made to leak the generated charge away and avoid it to build up.

SLOAN recommends the following equipment:

a. Conductive floor mats which are properly grounded.
b. Conductive table mats which are properly grounded (these should have the same potential as the floor).
c. Conductive shoes or slippers should be worn by persons handling the LED’s.
d. Conductive wrists bands for persons handling the LED’s.
e. Anti-electrostatic gloves for persons handling the LED’s (these will also help to keep from contaminating the LED’s with dirt and other substances).
f. All equipment such as soldering irons, calibration equipment and tools should be properly grounded.
g. Anti-electrostatic clothing for persons working around the LED’s.
h. Ionized air blower.
i. Humidifier.

Delivery:

During carrying of LED’s a conductive vessel in IC form, etc., should be used. This is recommended in order to keep the same potential between terminals.

Storage:

The LED’s should be stored in a conductive vessel on a grounded surface. When handling, first touch the LED box and then touch the LED’s themselves to eliminate any difference in potential.

Other precautions:

a. In the winter special care must be taken when handling the LED’s. It is extremely easy to generate electrostatic charges due to low humidity.
b. Do not place LED’s near other charged materials or substances. Even if your storage area is properly grounded, you cannot be sure that the LED’s will not be damaged.
c. The human body is an excellent conductor. It is easily possible to carry a charge of 3kV to 10kV. The LED’s should not be handled with bare hands if possible at all.
d. Please be sure to properly ground all machines and equipment involved in production with the LED’s.
e. Please consider that to ground is to make a good current circuit and please be careful not to touch the high voltage generating parts of your equipment.
Major application fields:

Automotive/Special vehicles:
Warning lights, emergency indicators, car immobilizing systems, car factory automation.
Blue LED flashers for Police cars, Diplomacy cars, special forces vehicles.

Consumer electronics:
Microwave ovens, toasters, coffee machines, Irons, refrigerators.

Industrial controls / Traffic controls:
Panel indicators, elevators, photo-processing darkroom lights, traffic control, railway track diagram indicators, power stations.
LED clusters for railway use.

Telecommunication:
PCB line indicators, status indicators, portable communication equipment.

Defence:
Tank/tank missiles, combat aircrafts, mine detectors warning lights, submarine engine control, fire coordination systems for tanks.
28 NATO Numbers.
NATO Manufacturer Code S3643.
French Army „GAM T1” listed.

Aviation:
Commercial and military, cockpit lights, stewardess call systems.

Security:
Safety control panels surveillance, emergency lights.

Medical:
Fault indicators, sealed indicators for surgery equipment, blood analyser, nurse-call systems, dentist equipment.

We strive to be a Total Quality company that anticipates and responds to our customer’s needs, continuously improving our products and processes.

Sloan AG

Designs, manufactures and distributes electronic and electrooptical components which meet the highest standards for quality, durability and performance. In more than 30 years of service to the military and commercial markets SLOAN has developed the largest range of quality indicators and continues to introduce new, up-to-date products.

A development department, innovative and quickly responding, can realize designs of optoelectronic products according to customers specifications.

SLOAN offers an extensive range of waterproof devices for security equipments. Rugged metal housings, shock and vibration proof, ultrabright LED indicators, sunlight visibility, viewing angle of more than 180° with LED’s, are further advantages of the SLOAN range with which we satisfy our customers demands.

SLOAN’s longstanding experience and innovations is a guarantee to provide customers with superior products, standard or custom designed, at reasonable cost.

SLOAN AG was founded 1967 in Basel, Switzerland