Application
TLD's RGB Color Changing fixture provides limitless options for Hospitality lighting at hotels, bars, conventions, or any entertainment venue. Preset programs provide static or flashing sequences for theme lighting, festive holiday backdrops, or “color for cause” at your exhibit. Subtle wall washing, bottle glorification and stem ware illumination can all be achieved for dramatic effect.

Configuration
Grace color changing light fixtures are housed in the same linear track designed for our Grace line; your choice of clear polycarbonate or side shield extrusions. They are designed with integral connectors for a clean, easy installation. Fixtures are offered in a wide range of sizes up to 48 inches, and can be connected end-to-end to span wide spaces. Larger fixture sizes are available upon request.

Electrical/Connectors
Grace Color Light fixtures are 24v DC regulated low voltage. Fixtures can be fed separately from the power source (home run wiring) or connected end-to-end (daisy chain wiring).

LEDs
Our Color Changing light engines utilize high performance RGB technology. LED engines are UL listed and RoHS compliant.

Controller
This system offers two types of controllers. The first is a standard hand held remote controller, offering 640 thousand colors and automatic color changing sequences. The unit incorporates brightness dimming and memory function. The second is a Bluetooth control module that works via an iOS or Android App. Functions include custom color setting, custom patterns, lights dancing to music and much more.

Power Supplies and Accessories
We offer a variety of compatible regulated 24v DC power supplies, connector pins and 20/4 solid core wire.

Warranty
Fixtures are rated for 50,000 hours at 70% of lamp lumen output and backed by a 3 Year Limited Warranty by TLD, an innovative leader in LED technology.
**Light Output**

<table>
<thead>
<tr>
<th>Color</th>
<th>RGB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>620-630 nm</td>
</tr>
<tr>
<td>Green</td>
<td>510-525 nm</td>
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<tr>
<td>Blue</td>
<td>455-470 nm</td>
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</tbody>
</table>

**Luminous Flux**

<table>
<thead>
<tr>
<th>Color</th>
<th>Luminous Flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>80-100 lm</td>
</tr>
<tr>
<td>Green</td>
<td>200-220 lm</td>
</tr>
<tr>
<td>Blue</td>
<td>70-90 lm</td>
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</tbody>
</table>

**Wiring Options**

**Daisy Chain Configuration**
Maximum fixture end-to-end run is 16Ft.

**Home Run Configuration**
Each fixture run can be up to 16 ft. (With a capable power supply)

**Enclosure Options**

**Standard (Clear)**
Offers the widest light pattern for maximum coverage.

**Side Shield (Black or White)**
Shield reduces one side of the light pattern.

The side wings are meant for permanent mounting using the supplied self-tapping screws. Each fixture comes with factory installed double sided tape for temporary mounting. Side tabs can be removed or bent in any direction to fit tight spaces or recesses.

Use only 20 gauge solid core, 4 conductor thermostat wire.

**Part Number Configuration**

<table>
<thead>
<tr>
<th>Light Engine</th>
<th>Model No.</th>
<th>Enclosure Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCC</td>
<td>050</td>
<td>(Blank) Standard</td>
</tr>
<tr>
<td></td>
<td>090</td>
<td>SB Black Side Shield</td>
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<tr>
<td></td>
<td>130</td>
<td>SW White Side Shield</td>
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<tr>
<td></td>
<td>170</td>
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<td>210</td>
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<td>480</td>
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</tbody>
</table>

Longer sizes available upon request
COLOR CHANGING LIGHT FIXTURES
POWER SUPPLIES AND ACCESSORIES

Color Changing Controllers

- **TLD-RGB-BT**
  - Color Changing Bluetooth Module
  - Works with Controller App for iOS and Android Phones, 30 ft Range
  - 4A per channel
  - 96w Max Load
  - Length: 2.7" Width: 2.1" Depth: 0.9"

- **TLD-RGB-R2**
  - Color Change Touch Remote, 4 Zone
  - Length: 4.8" Width: 2.1" Depth: 0.7"

- **TLD-MDL**
  - Multi-Functional Controller
  - Length: 6.9" Width: 1.8" Depth: 1.1"

- **TLD-RGBB-2**
  - Amplifier
  - 24A - Max Wattage 576w
  - Length: 5.8" Width: 3.0" Depth: 0.9"

3 year limited warranty

24v Power Supplies

- **TLD-24WSI-24**
  - Indoor, Wall adapter
  - Length: 3", Width: 2.125", Depth:.25"
  - Wire Length 72"

- **TLD-40W-PLG-24**
  - Indoor, Wall plug
  - Length: 5", Width: 2", Depth: 1.25"
  - Wall plug: 6' low voltage wire: 38"

- **TLD-30WSO-24**
  - Indoor/Damp IP64, hardwire
  - Length: 5.7", Width: 1.7"
  - Depth: 1.1'

- **TLD-90WSO-24**
  - Indoor/Damp IP64, hardwire
  - Length: 8", Width: 2.3"
  - Depth: 1.1"

- **TLD-60W-PLG-24**
  - Indoor, Wall plug
  - Length: 5", Width: 2", Depth: 1.25"
  - Wall plug: 6' low voltage wire: 38"

- **TLD-90W-PLG-24**
  - Indoor, Wall plug
  - Length: 7", Width: 2.3", Depth: 1.25"
  - Wall plug: 6' low voltage wire: 38"

- **TLD-240WSO-24**
  - Outdoor/Waterproof IP67, hardwire
  - Length: 9" Width: 2.75" Depth: 1.5"

- **TLD-150WSO-24**
  - Outdoor/Waterproof IP67, hardwire
  - Length: 9" Width: 2.75" Depth: 1.5"

- **TLD-240WSO-JNC-24**
  - Outdoor/Waterproof IP67, hardwire
  - Length: 15" Width: 2.75" Depth: 1.5"

- **TLD-60WSO-24-WP**
  - Outdoor/Waterproof IP67, hardwire
  - Length: 6.75" Width: 2.5" Depth: 1.5"

- **TLD-120WSO-24**
  - Outdoor/Waterproof IP67, hardwire
  - Length: 8.5" Width: 2.75" Depth: 1.5"

All power supplies come with a 2 year limited warranty