Trident Indoor - Recessed IP67 & IK10 Rated Linear Profile. The Trident Indoor Recessed is designed for applications requiring sturdy, seamless in-floor or IP67 & IK10 rated lighting. Our LED encapsulation process ensures a long lasting, vandal resistant seal with hard resin. Configuration and layout possibilities are endless making it highly versatile and easy to install.

Ordering Code

<table>
<thead>
<tr>
<th>Fixture</th>
<th>455</th>
<th>406</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product Specifications

**SAMPLE:** Fixture 455 - 406 - FH - 122 - 27 - 02 - E36 - 6' | Driver 902 - 24 - 060 - STD - 120

1 - Type  
455 - IP67 & IK10 Rated Profile  
406 - Trident Recessed Indoor

2 - Model  
FS - Frosted Soft  
CS - Clear Soft  
FH - Frosted Hard  
CH - Clear Hard

3 - Resin  
XX - Custom (XX.XX")

4 - LED Style
Pro 112 - RGB  
122 - RGBW  
175 - RGBW

5 - CCT  
Pro 112  
27 - 2700K  
30 - 3000K  
35 - 3500K  
40 - 4000K  
99 - RGB  
99 - RGBW  
175 - 559  
122 - 383  
27 - 2700K

6 - Finish  
02 - Black  
08 - Silver

7 - Feed Length  
36 - 36" Back Fed  
BXX - Custom Back Fed

8 - Fixture Length  
XX - Custom (XX.XX")

Continuous runs will be made in equal sections no more than 8' long

1 - Driver  
902 - Standard Driver  
908 - 120V Phase DIM

2 - Output Voltage  
24 - 24V

3 - Wattage  
060 - 60W  
096 - 96W

4 - Control  
Std - Standard Driver  
LCS - 0-10V Driver  
DMX - SENSO  
DIM - 120V Phase DIM  
LUTRON - CV Ecosystem 3-wire

5 - Input Voltage  
120 - 120V  
277 - 277V  
347 - 347V

*1 Measured in Lm/ft (based on 3000K)  
*2 Refer to page 2 for LED cut length intervals  
*3 DMX driver required  
*4 Only available with DIM - phase dim

Project:  
Quantity:  
Type:  
Notes:  

403-216-7043 | sensolighting.com
24V Linear LED Light Source

<table>
<thead>
<tr>
<th>STYLE</th>
<th>Watt/FT</th>
<th>Lumens/FT</th>
<th>CRI</th>
<th>Max. Length</th>
<th>Cut Length</th>
<th>LED/FT</th>
<th>Color Temperature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO 112</td>
<td>122</td>
<td>2.9</td>
<td>383</td>
<td>90</td>
<td>2.46&quot;</td>
<td>34</td>
<td></td>
<td>2700K, 3000K, 3500K, 4000K, 5000K</td>
</tr>
<tr>
<td></td>
<td>175</td>
<td>4.4</td>
<td>559</td>
<td>90</td>
<td>14.75'</td>
<td>2.46&quot;</td>
<td></td>
<td>Dense LED layout (112 led/m / 34 led/ft) creates no dots with frosted lens.</td>
</tr>
<tr>
<td>RGB</td>
<td>4.4</td>
<td>204</td>
<td>-</td>
<td>16.4'</td>
<td>3.94&quot;</td>
<td>18</td>
<td></td>
<td>Individually control Red, Green, Blue and White (white only with RGB+W)</td>
</tr>
<tr>
<td>RGB+W</td>
<td>6.78</td>
<td>364</td>
<td>-</td>
<td>10.7&quot;</td>
<td>3.54&quot;</td>
<td>81</td>
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</tbody>
</table>

* Lumen output based on 3000K, for other output information, please consult SENSO.

Key LED Features

- 3 STEP MacAdam LEDs or Single Bin LEDs
- Stabilized current design
- LED efficacy up to 171 lm/W
- 24V DC voltage input
- Reverse voltage protection
- 50,000 hour life expectancy

Resin & Profile Features

**Top Layer**

The top resin layer of the Trident acts as the lens and first line of defense for the LED.

**Soft cured resin:**
Outdoor resistant against rain, snow and direct sunlight as well as intense conditions like hail and acid rain. The resin is also thermal resistant against thermal cycles and drastic changes in temperature. Chemicals like detergents or disinfectants will not deteriorate, disintegrate or discolor the soft resin.

**Hard cured resin:**
The hard cured resin maintains all of the same outdoor resistant features as the soft, but acquires extra physical resistance as well. Abrasion resistance will keep the resin intact even after wear, impact or high levels of pressure are applied. It will prevent vandalism and resist fire and ignition. The hard resin allows any profile to be floor mounted.

**Fill Layer**
The fill layer of the IP67 & IK10 rated Trident main purpose is to fully encapsulate and protect the LED strip. This fully sealed layer is able to maintain light quality without any color shift. The fill layer will not yellow over time and will keep perfect CRI and color-consistency over the lifespan of the LED.

**Aluminum Extrusion**
Trident, along with all our profile fixtures, are made of anodized aluminum. This allows our profile to be as thin as possible while maintaining rigidity and limiting flex over long runs.

**Recessed Features**
The recessed channel has grooves which allows for mounting onto the recessed adapter. The profile attaches to height adjustable brackets and sits flush with any surface when installed. The lower gap of the recessed channel provides ample space for long runs of cable and guarantees expansion and future proofing.

**Top Layer Finish**

**Frosted Resin**
The frosted resin top layer is available in both hard and soft options. It offers a soft diffused light with no dots.

**Clear Resin**
The clear resin top layer is the best option for maximum light efficiency. Low light loss allows you to get the most out of each LED.
TRIDENT Recessed  RECESSED LINEAR PROFILE

Construction
- High quality poured resin lens
- Hard, clear and frosted resin options
- Aluminum extruded profile and recessed channel

Installation
- Electrical wire included
- Recessed channel connects to L-bracket and end caps with seamless corners and straight runs
- Includes plastic spacer for laying floor material

Dimensions
  **Recessed Channel with Trident**
  - 0.75" [19mm]
  - 0.79" [20mm]
  - 2.4" [61mm]

Recessed L-Bracket
- Solid galvanized steel construction
- Custom height between 3 - 8 inches
- Screws directly into the Trident recessed channel
- Allows Trident to be recessed into many different materials

Feed Points & Joining Sections
- Seamless profile with back fed jumper
Recessed System (Indoor Shown)

Recessed lighting promotes the best integration of lighting and architecture. Creativity is the only limitation because Trident recessed can flow seamlessly through a space linking surfaces in a solid beam.
INDOOR IP67 & IK10 RATED

TRIDENT Recessed
RECESSED LINEAR PROFILE

Driver Data

<table>
<thead>
<tr>
<th></th>
<th>Output Voltage</th>
<th>Input Voltage</th>
<th>Wattage</th>
<th>Efficiency @ Max Load</th>
<th>Power Factor</th>
<th>Dim Level</th>
<th>Dim Protocol</th>
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</thead>
<tbody>
<tr>
<td>STD</td>
<td>24V</td>
<td>120V, 277V, 347V</td>
<td>60W</td>
<td>86%</td>
<td>&gt;0.90</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>LCS</td>
<td>120V, 277V, 347V</td>
<td>60W, 90W</td>
<td>&gt;87%</td>
<td>&gt;0.95</td>
<td>1%</td>
<td>0-10V</td>
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<tr>
<td>DIM</td>
<td>120V</td>
<td>120V, 277V</td>
<td>&gt;90%</td>
<td>&gt;0.95</td>
<td>1%</td>
<td>Phase</td>
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<tr>
<td>DMX</td>
<td>6.77&quot;</td>
<td>1.26&quot;</td>
<td>90%</td>
<td>&gt;0.99</td>
<td>0.1%</td>
<td>DMX</td>
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<td>LUTRON</td>
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<td>1.75&quot;</td>
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<tr>
<td></td>
<td>5.5&quot;</td>
<td>2.0&quot;</td>
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</tr>
</tbody>
</table>

Indoor Drivers

- CSA Approved
- Class 2, Class P
- 0 - 10V Dimmable and flicker free down to 1%
- Auto-reset protection for short circuit and over-temperature
- Overload protection
- For DMX contact SENSO