The SXP30 Series Projector Light offers the most intense projected pattern offered from an LED. The 9mm² die size emits 9x the intensity as a standard high output LED. The housing is constructed of finned 6061-T6 aluminum and designed to dissipate as much heat as possible therefore allowing the LED to be run at a much higher current than the standard 1mm² die LEDs. Multiple interchangeable pattern styles are available along with optional custom patterns. The SXP30 Series is able to project a thinner and more defined pattern of light compared to laser projectors making the SXP30 a more accurate light.

**Electrical Input**
- 24VDC +/- 5%
- Current Max. 600mA
- Wattage Max. 15W

**Strobe Input**
- PNP ▶ +3VDC or greater to activate.
- NPN ▶ GND (<1VDC) to activate

**PNP Line**
- 3.7mA @ 3VDC
- 6.2mA @ 5VDC
- 12.6mA @ 10VDC
- 30.4mA @ 24VDC

**NPN Line**
- 22mA @ Common (0VDC)

**Yellow Indicator LED**
- LED Strobe Indicator ON = Light Active

**Green Indicator LED**
- ON = Power

**Continuous Mode**
- Light will be in continuous mode by leaving signal on strobe input active

**Analog Intensity**
- The output is adjustable from 10%-100% of brightness by a 0-10VDC signal

**Connection**
- 5 pin M12 connector

**Lifespan**
- 100,000 hrs

**Ambient Temp.**
- -20º - 50º C (-4º - 122º F)

**IP Rating**
- IP50

**Weight**
- ~413g

**Compliances**
- CE and RoHS

**IEC 62471 Rating**
- See page 4

Lens sold separately.
**Part Number Key**

- **Product Family:** Projector Light
- **Color:**
  - 470 – Blue
  - 530 – Green
  - 625 – Red
  - 850 – IR
  - WHI - White

**Standard patterns are available and custom patterns can be etched. Patterns are interchangeable.**

- **Line**
- **Grid**
- **Cross**
- **Multiple Line**
- **Half Sphere**

**Product Family:** Projector Light  
**Color:**
- 470 – Blue
- 530 – Green
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- 850 – IR
- WHI - White

**CE and RoHS Compliant**

**Attention**

Please note that the power requirements are 600mA at 24VDC. Failure to supply light with 600mA will result in non-repeatable lighting. Contact Smart Vision Lights for more information.

**wiring configuration**

<table>
<thead>
<tr>
<th>Pin</th>
<th>Function</th>
<th>Signal</th>
<th>Wire Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power In</td>
<td>+24VDC</td>
<td>BROWN</td>
</tr>
<tr>
<td>2</td>
<td>NPN</td>
<td>Sinking Signal</td>
<td>WHITE</td>
</tr>
<tr>
<td>3</td>
<td>GND</td>
<td>Ground</td>
<td>BLUE</td>
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<tr>
<td>4</td>
<td>PNP</td>
<td>Sourcing Signal</td>
<td>BLACK</td>
</tr>
<tr>
<td>5</td>
<td>Intensity Control</td>
<td>0-10VDC</td>
<td>GREY †</td>
</tr>
</tbody>
</table>

† If 0-10VDC is not used to control light intensity, +24VDC (24VDC) must be connected to Analog Input.

† Some cables use green with yellow stripe for 0-10V adjustment.
In constant operation the housing on SXP30 series lights will run at 50°C in an ambient temperature of 25°C.

**Number in box represents the focal length of lens (example - 6 is a 6mm focal length lens)**

<table>
<thead>
<tr>
<th>W = Working Distance</th>
<th>100mm</th>
<th>150mm</th>
<th>200mm</th>
<th>300mm</th>
<th>400mm</th>
<th>500mm</th>
<th>600mm</th>
<th>750mm</th>
<th>1000mm</th>
<th>1500mm</th>
<th>2000mm</th>
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<tr>
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<td>12</td>
<td>16</td>
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<tr>
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<td>8</td>
<td>12</td>
<td>16</td>
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<td>35</td>
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<td>75</td>
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<tr>
<td>200mm</td>
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</tbody>
</table>

SXP30 series aluminum enclosures designed to transfer heat away from the high power LED.

Additional heat sinking recommended in ambient air temperatures above 25°C.

Lens sold separately.

Thermal image taken after 2 hours of continuous ON operation at 25°C.
According to IEC 62471:2006. Full documentation upon request.

Exempt Group: No photobiological hazard to eyes or skin even for continuous, unrestricted use. Applicable for wavelengths: 625 and 850.
Caution
Risk Group 1: Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to eye. Safe for most applications except prolonged exposures. Applicable for wavelengths: 470, 530, and WHI.