

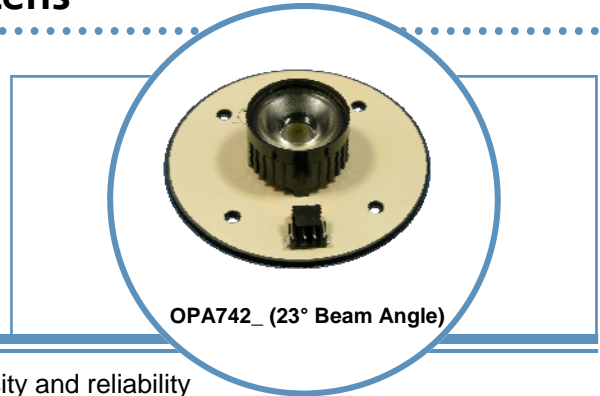
OPA742 Series

1 Watt Light Spot on Another Linear Heat Spreader with Lens



OPA742 Series

- 1 watt LED on round substrate
- Mono-color per strip (Blue, Green, Red, Yellow, White)
- Component beam angle option 23°
- Universal connector (Tyco 2-292173-2 mates with 173977-2)
- RoHS Compliant

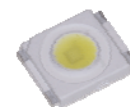
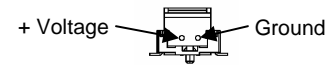
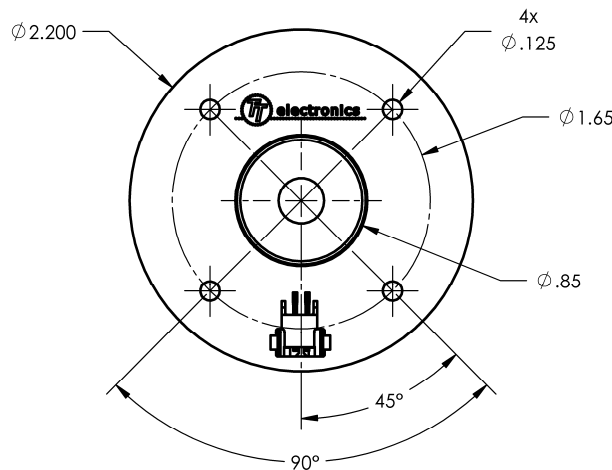


The **OPA742** Series are designed for areas where lighting intensity and reliability are essential. The light beam angle of 23° is ideal for illuminating areas close or a long distances from the device while requiring minimal space. A patented substrate is used to ensure the best heat dissipation of any light assembly in the industry.

For custom colors and design contact your OPTEK representative.

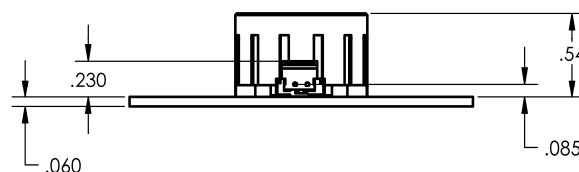
Electrical / Optical Characteristics: $T_A=25^\circ\text{C}$, $I_F=350\text{mA}$

| Part Number | Typical Forward Voltage (V) | Luminous Flux (lm) | Beam Angle | Color | Dominant Wavelength |
|-------------|-----------------------------|--------------------|------------|--------|---------------------|
| OPA742Y23 | 2.5 | 22 | 23° | Yellow | 587 nm |
| OPA742B23 | 3.6 | 8 | | Blue | 470 nm |
| OPA742G23 | 3.6 | 41 | | Green | 530 nm |
| OPA742R23 | 2.5 | 30 | | Red | 625 nm |
| OPA742W23 | 3.6 | 41 | | White | 6,500°K |



OPA742_

See OVSP_BCR4 for component specifications



ATTENTION
OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES



RoHS

**DO NOT LOOK DIRECTLY AT LED
WITH UNSHIELDED EYES OR
DAMAGE TO RETINA MAY
OCCUR.**

OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.