

| Part Number | Package       | Material | Color | Dominant $\lambda_D$ | Lens Color | $I_V$ at $I_F=mA/Typ$ | Viewing Angle (Degrees) | $V_F$ (Typ) | RoHS |
|-------------|---------------|----------|-------|----------------------|------------|-----------------------|-------------------------|-------------|------|
| OPA729B     | 10W Light Bar | InGaN    | Blue  | 470 nm               | Clear      | 700/90 lm             | 120°                    | 18          | ✓    |
| OPA729BD    | 10W Light Bar | InGaN    | Blue  | 470 nm               | Clear      | 700/90 lm             | 40°                     | 18          | ✓    |

# OPA729 Series

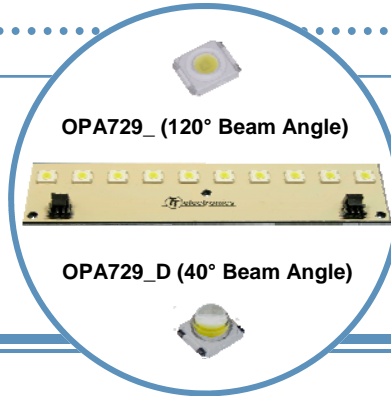
## 10 Watt Light Bar on

### OptoTherm Linear Heat Spreader



#### OPA729 Series

- 10, 1 watt LEDs per strip, can be linked with other OPA729's
- Mono-color per strip (Blue, Green, Red, Yellow, White)
- Two component beam angle options (120° or 40°)
- Power connected to either end
- Universal connector (Tyco 2-292173-2 mates with 173977-2)
- RoHS Compliant



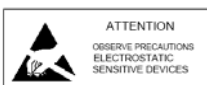
The **OPA729** Series are designed for areas where lighting intensity and reliability are essential. The light beam angles of 40° and 120° are ideal for illuminating small and medium size areas while requiring minimal space. A High Performance Heat Spreader (HPHS) is used to ensure the best heat dissipation of any light assembly in the industry.

OptoTherm is designed to be the optimum material for distribution of heat for high power devices.

For custom colors and design contact your OPTEK representative.

#### Electrical / Optical Characteristics: $T_A=25^{\circ}\text{C}$ , $I_F=700\text{mA}$

| Part Number | Typical Forward Voltage (V) | Luminous Flux (lm) | Beam Angle | Color  | Dominant Wavelength |
|-------------|-----------------------------|--------------------|------------|--------|---------------------|
| OPA729Y     | 12.5                        | 350                | 120°       | Yellow | 587 nm              |
| OPA729B     | 18.0                        | 90                 |            | Blue   | 470 nm              |
| OPA729G     | 18.0                        | 480                |            | Green  | 530 nm              |
| OPA729R     | 12.5                        | 260                |            | Red    | 625 nm              |
| OPA729W     | 18.0                        | 480                |            | White  | 6,500°K             |
| OPA729YD    | 12.5                        | 350                | 40°        | Yellow | 587 nm              |
| OPA729BD    | 18.0                        | 90                 |            | Blue   | 470 nm              |
| OPA729GD    | 18.0                        | 480                |            | Green  | 530 nm              |
| OPA729RD    | 12.5                        | 260                |            | Red    | 625 nm              |
| OPA729WD    | 18.0                        | 480                |            | White  | 6,500°K             |



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

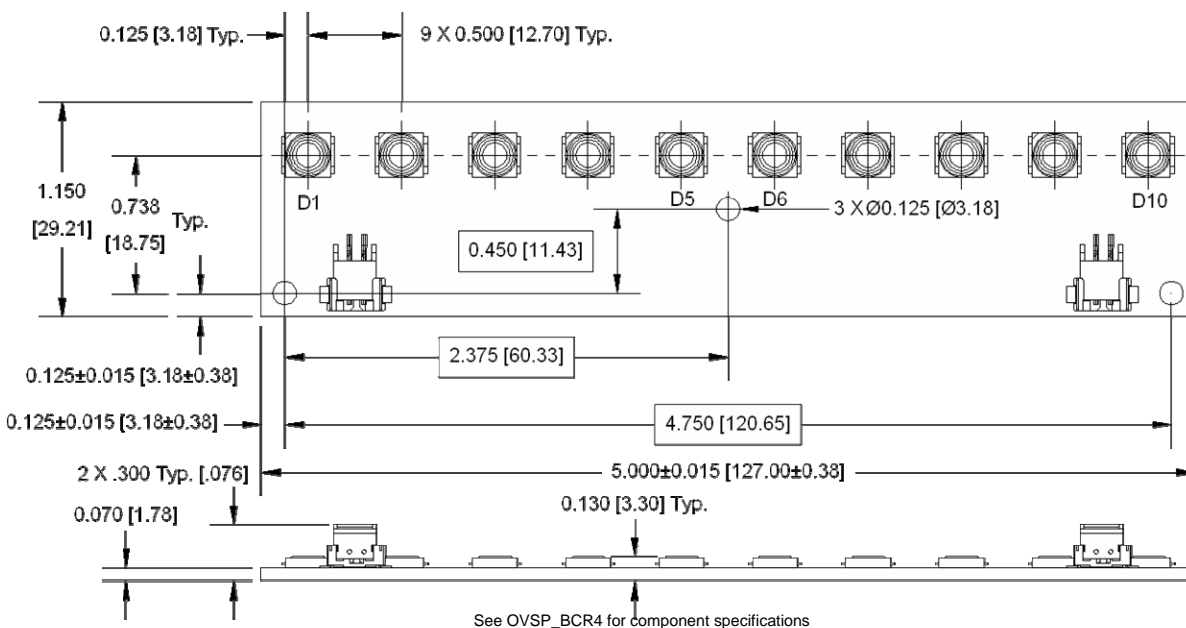
OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.

# OPA729 Series

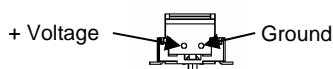
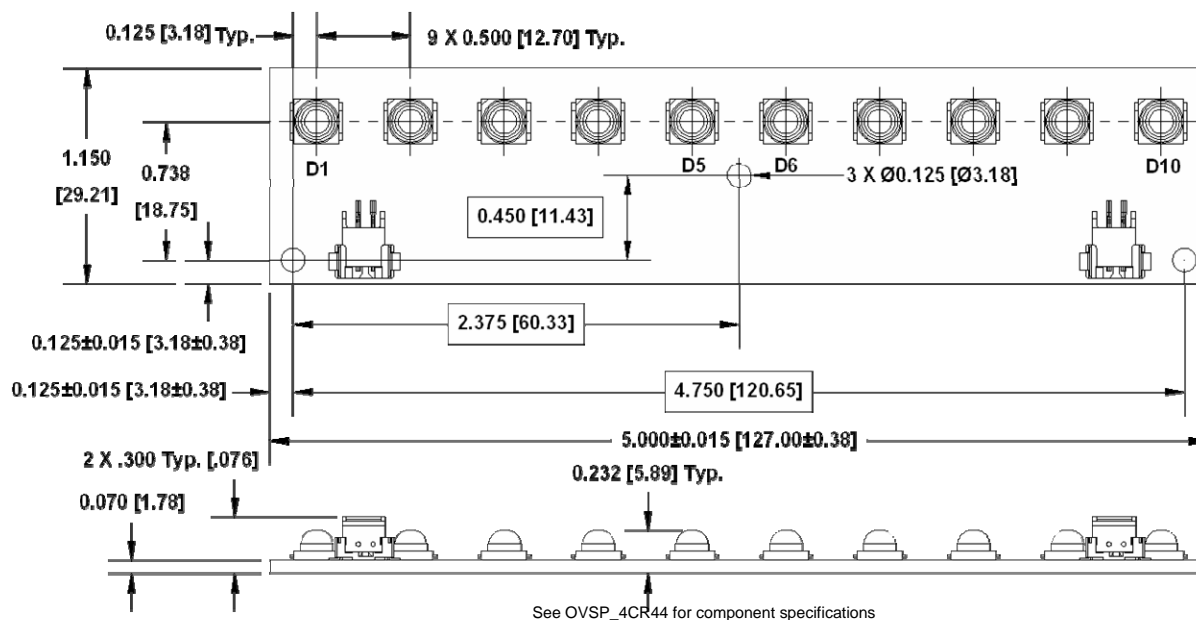
## 10 Watt Light Bar on

### OptoTherm Linear Heat Spreader

#### OPA729\_



#### OPA729\_D



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