

# OPA731 Series

## 20 Watt Light Flood on Another Linear Heat Spreader



### OPA731 Series

- 20, 1 watt LEDs per square substrate
- Mono-color per strip (Blue, Green, Red, Yellow, White)
- Two component beam angle options (120° or 40°)
- Universal connector (Tyco 2-292173-2 mates with 173977-2)
- RoHS Compliant

OPA731\_ (120° Beam Angle)

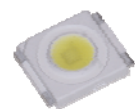
OPA731\_D (40° Beam Angle)

The **OPA731** 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 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.

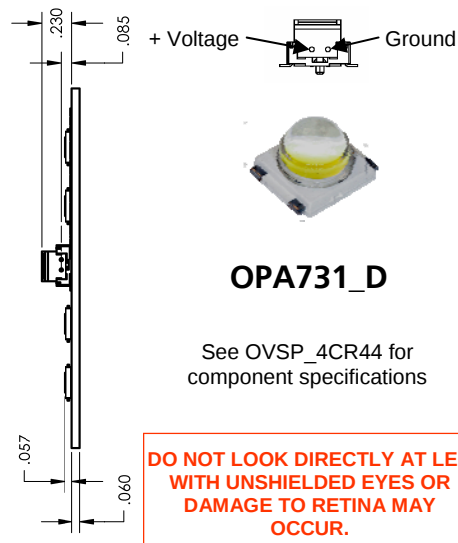
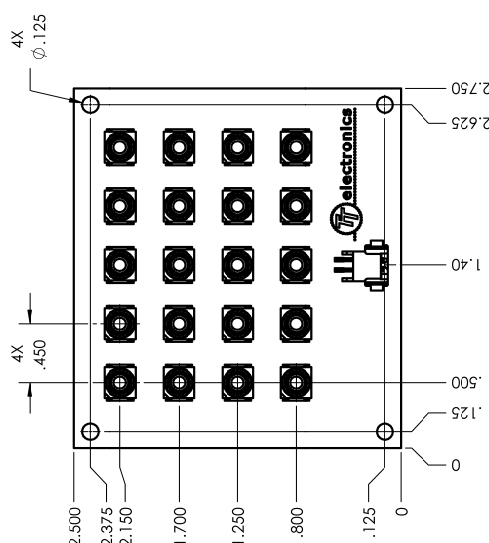
### Electrical / Optical Characteristics: $T_A=25^\circ\text{C}$ , $I_F=1.4\text{A}$

| Part Number | Typical Forward Voltage (V) | Luminous Flux (lm) | Beam Angle | Color  | Dominant Wavelength |
|-------------|-----------------------------|--------------------|------------|--------|---------------------|
| OPA731Y     | 12.5                        | 700                | 120°       | Yellow | 587 nm              |
| OPA731B     | 18.0                        | 180                |            | Blue   | 470 nm              |
| OPA731G     | 18.0                        | 960                |            | Green  | 530 nm              |
| OPA731R     | 12.5                        | 520                |            | Red    | 625 nm              |
| OPA731W     | 18.0                        | 960                |            | White  | 6,500°K             |
| OPA731YD    | 12.5                        | 700                | 40°        | Yellow | 587 nm              |
| OPA731BD    | 18.0                        | 180                |            | Blue   | 470 nm              |
| OPA731GD    | 18.0                        | 960                |            | Green  | 530 nm              |
| OPA731RD    | 12.5                        | 520                |            | Red    | 625 nm              |
| OPA731WD    | 18.0                        | 960                |            | White  | 6,500°K             |



OPA731\_

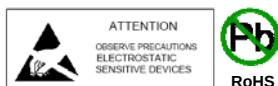
See OVSP\_BCR4 for component specifications



OPA731\_D

See OVSP\_4CR44 for component specifications

**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.