

| Part Number | Package      | Material | Color | Dominant $\lambda_D$ | Lens Color | $I_V$ at $I_F=mA/Typ$ | Viewing Angle (Degrees) | $V_F$ (Typ) | RoHS |
|-------------|--------------|----------|-------|----------------------|------------|-----------------------|-------------------------|-------------|------|
| OPA740B23   | 3W Light Bar | InGaN    | Blue  | 470 nm               | Clear      | 700/76 lm             | 23°                     | 18          | √    |

# OPA740 Series

## 10 Watt Light Bar on

### OptoTherm Linear Heat Spreader



#### OPA740 Series

- 10-1 watt LED on Linear substrate with 23° Lens
- Mono-color per strip (Blue, Green, Red, Yellow, White)
- Component beam angle 120°
- Universal connector (Tyco 2-292173-2 mates with 173977-2)
- Power connected to either end
- RoHS Compliant



OPA740\_ (23° Lens)

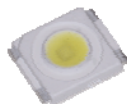
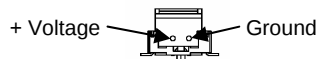
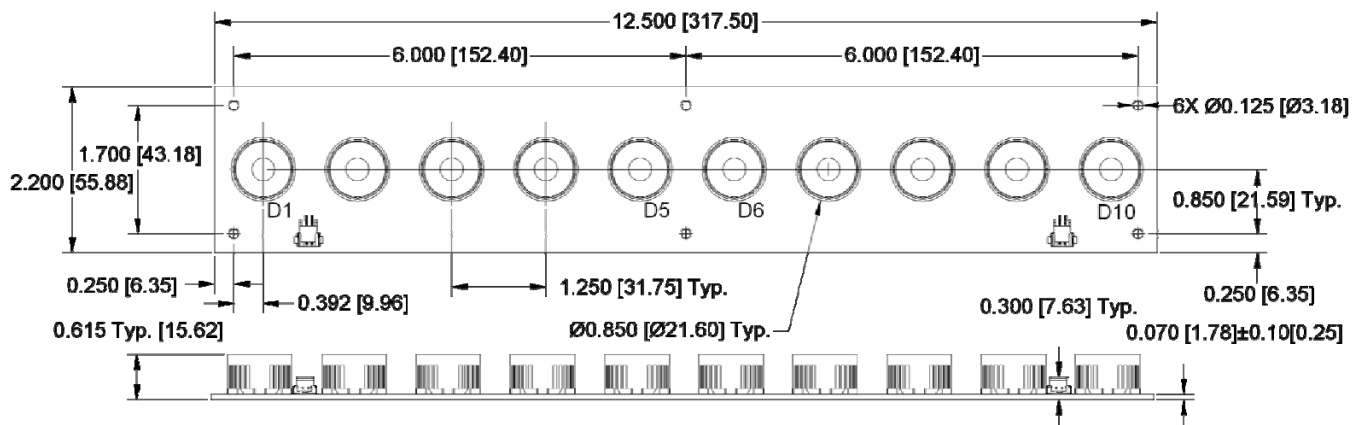
The **OPA740** Series are designed for areas where lighting intensity and reliability are essential. The light beam angle of 23° is ideal for illuminating areas close or a long distances from the device while requiring minimal space. A High Performance Heat Spreader (HPHS) is used to ensure the best 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 |
|-------------|-----------------------------|--------------------|------------|--------|---------------------|
| OPA740Y23   | 12.5                        | 297                | 23°        | Yellow | 587 nm              |
| OPA740B23   | 18.0                        | 76                 |            | Blue   | 470 nm              |
| OPA740G23   | 18.0                        | 408                |            | Green  | 530 nm              |
| OPA740R23   | 12.5                        | 221                |            | Red    | 625 nm              |
| OPA740W23   | 18.0                        | 408                |            | White  | 6,500°K             |



#### OPA740\_

See OVSP\_BCR4 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.