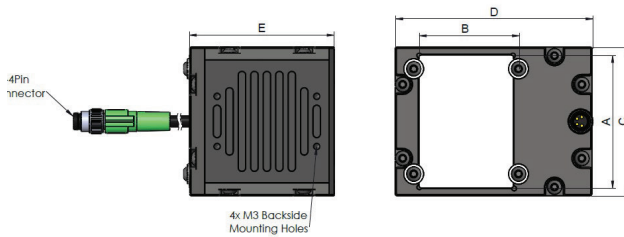


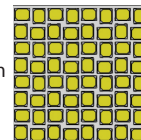
## VL-COX Coaxial Light for On-Axis Illumination

- Light guiding for full coaxial effect
- High intensity leds designed for max illumination
- Compact design to fit narrow spaces
- On axis diffuse illumination ideal for small parts

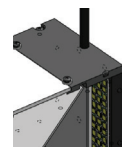


### Features

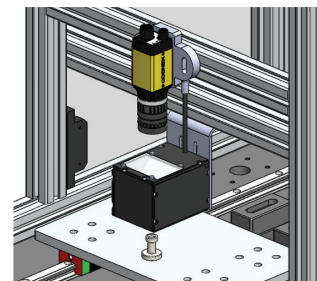
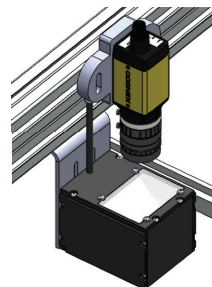
Complex LED allocation for high and diffuse illumination



Thermal film for heat transfer



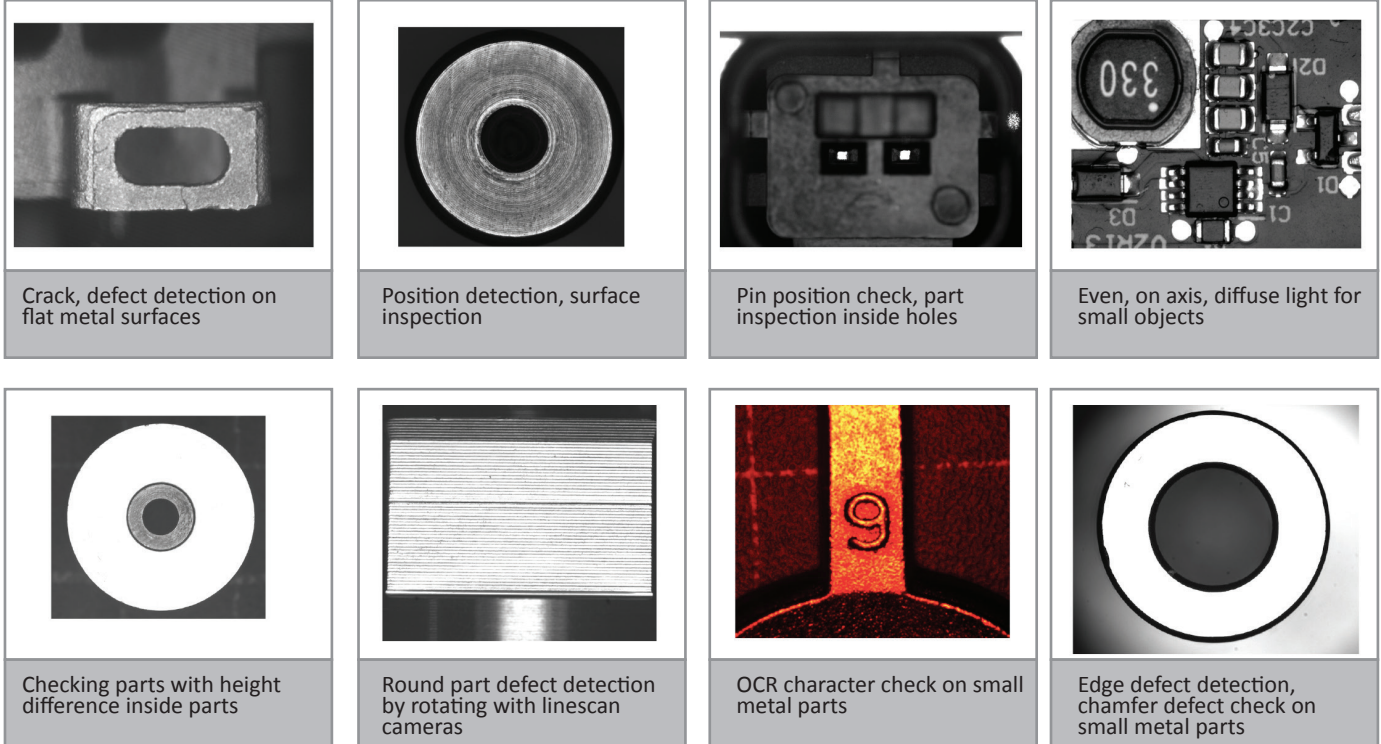
### How to use



### Product Types

| Model                   | Color | Wavelength/<br>Color Temperature | Power Supply | Power Consumption | IP Rating<br>(Option: IP67) | Connection             | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Housing Material           | Light Angle<br>(°) |
|-------------------------|-------|----------------------------------|--------------|-------------------|-----------------------------|------------------------|-------|-------|-------|-------|-------|----------------------------|--------------------|
| VL-COX-32-16-R-24-C30   | R     | 625nm                            | 24VDC        | 1W                | IP50                        | M8 4 pin w 300mm cable | 32    | 16    | 41,5  | 60    | 39    | Aluminum (Black, Anodized) | 120°               |
| VL-COX-32-16-W-24-C30   | W     | 6500K                            | 24VDC        | 1.25W             | IP50                        | M8 4 pin w 300mm cable | 32    | 16    | 41,5  | 60    | 39    | Aluminum (Black, Anodized) | 120°               |
| VL-COX-50-35-R-24-C30   | R     | 625nm                            | 24VDC        | 2W                | IP50                        | M8 4 pin w 300mm cable | 50    | 35    | 59,5  | 79    | 58    | Aluminum (Black, Anodized) | 120°               |
| VL-COX-50-35-W-24-C30   | W     | 6500K                            | 24VDC        | 2.6W              | IP50                        | M8 4 pin w 300mm cable | 50    | 35    | 59,5  | 79    | 58    | Aluminum (Black, Anodized) | 120°               |
| VL-COX-94-78-R-24-C30   | R     | 625nm                            | 24VDC        | 9W                | IP50                        | M8 4 pin w 300mm cable | 94    | 78    | 103,5 | 122   | 101   | Aluminum (Black, Anodized) | 120°               |
| VL-COX-94-78-W-24-C30   | W     | 6500K                            | 24VDC        | 11.25W            | IP50                        | M8 4 pin w 300mm cable | 94    | 78    | 103,5 | 122   | 101   | Aluminum (Black, Anodized) | 120°               |
| VL-COX-148-133-R-24-C30 | R     | 625nm                            | 24VDC        | 18W               | IP50                        | M8 4 pin w 300mm cable | 148   | 133   | 157,5 | 177   | 156   | Aluminum (Black, Anodized) | 120°               |
| VL-COX-148-133-W-24-C30 | W     | 6500K                            | 24VDC        | 23.5W             | IP50                        | M8 4 pin w 300mm cable | 148   | 133   | 157,5 | 177   | 156   | Aluminum (Black, Anodized) | 120°               |

## Sample Applications



## Electrical Connection

| Cable                                              | Ordering Code | Drawing/Connection |
|----------------------------------------------------|---------------|--------------------|
| M8 female 0° with cable PVC 4x0.25 bk UL/CSA 2.5m  | TKPM-Z-2.5/4  |                    |
| M8 female 0° with cable PVC 4x0.25 bk UL/CSA 4m    | TKPM-Z-5/4    |                    |
| M8 female 90° with cable PVC 4x0.25 bk UL/CSA 2.5m | TKPM-W-2.5/4  |                    |
| M8 female 90° with cable PVC 4x0.25 bk UL/CSA 4m   | TKPM-W-5/4    |                    |

For proper light function, apply either a PNP or NPN signal, not both.

Failure to supply light with correct input current will result in inconsistent lighting behavior.  
(see Product Specifications for requirements)

| Pins | Function        | Wire Color |
|------|-----------------|------------|
| 1    | Power In +24VDC | BROWN      |
| 2    | NPN             | WHITE      |
| 3    | GND             | BLUE       |
| 4    | PNP             | BLACK      |