



Standard-Series Oxy (Flat Dome) Lights

Spectrum Illumination's Standard-Series Oxy (Flat Dome) Lights are designed to be used on applications that are shiny or uneven. Oxy lights are not recommended for mirrored surfaces. Oxy lights are very compact and more intense than a dome light.

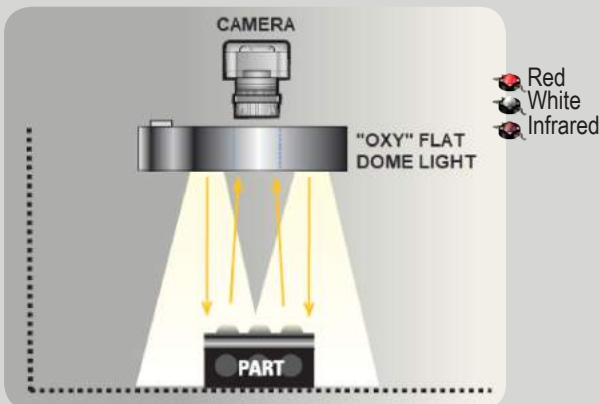


Units come with light and cable.

Series Highlights

- No driver/controller required
- HS (High Speed) Strobe Technology
- 24 VDC
- M12 connector for quick disconnect
- Available in 2 colors and Infrared
- Available in 2 sizes
- 10 Year Warranty* - 100,000 hours

Units come with light and cable.



- *10-Year warranty on registered products
 - *6-Year warranty on non-registered products
 - *3-year warranty on washdown lights
- spectrumillumination/limited-warranty/

Application Examples

- Automotive and aerospace processing
- Defects on surfaces
- Inspection
- Locate mounting holes
- Pharmaceutical
- View openings (e.g. drilled holes)

Case Study - Product Application

Stamp Metal Part Inspection



Solution: OL66 - WHI, 25 mm lens, .8ms shutter speed, light 1.188" from target.

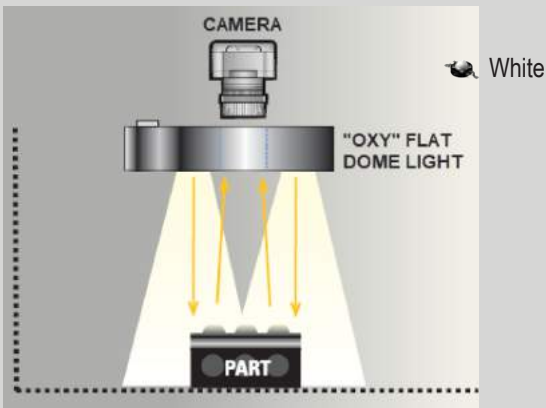


Stamping process.



Part inspection with OL66-WHI Oxy Flat Dome Light.

Illumination - Inspection Setup



Vision & Automation Opportunity:

Metal stamping process required product inspection. Printed text area is flat, medium tapered or full tapered. Inspection process must be able to identify text under all three conditions. Parts with missing id text must be rejected. Production speed must be maintained while identifying part text.

Vision & Automation Solution:

SI Engineering Lab mocked up the opportunity. SI Engineer applied LED lens Optic types, camera lenses and product positioning to develop repeatable quality testing solution. Spectrum Illumination's OL66-WHI "Oxy" Flat Dome Light, .25 mm camera lens, .8ms shutter speed, light 1.188" from target. Smart camera identifies text & numbers on stamped part.

Case Study - Product Application



Syringe Inspection

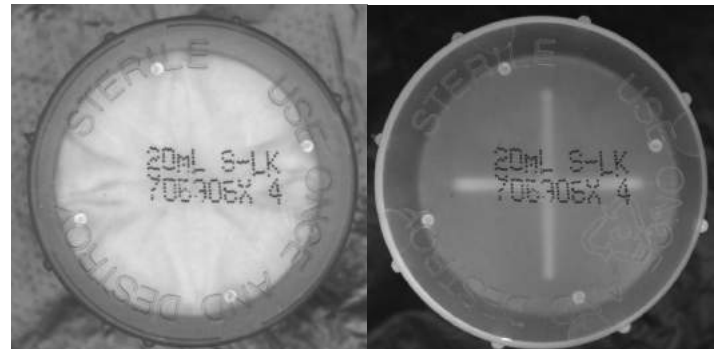
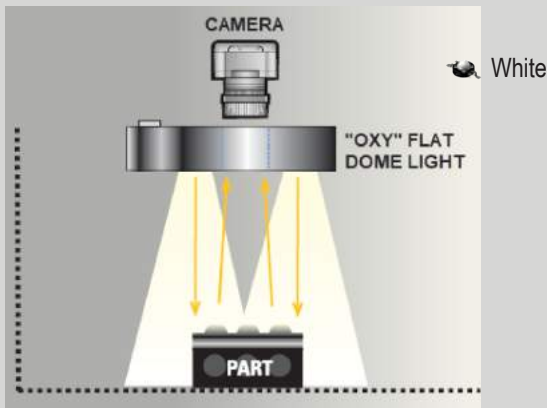


Solution: OL66 - WHI, 16 mm lens, light 4.5" from target.



Syringe Device.

Illumination - Inspection Setup



Syringe top with OL66-Whi "Oxy" Flat Dome Light.

Vision & Automation Opportunity:

Customer required the ability to inspect syringe tops for part number. The plunger is grey and natural. Inspection process must be able to identify text under both conditions. Parts with missing text must be rejected. Production speed must be maintained while identifying part text.

Vision & Automation Solution:

SI Engineering Lab mocked up the opportunity. SI Engineer applied LED lens Optic types, camera lenses and product positioning to develop repeatable quality testing solution. Spectrum Illumination's OL66-Whi "Oxy" Flat Dome Light, .16m camera lens, light 4.5" from target. Smart camera identifies text numbers on syringe tops mounted on both grey and natural colored plunger.