

NERLITE LT430 Backlight Series –

Bright and uniform lighting in various sizes and colors



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lighting

NERLITE LT430 Backlight Series provides sharp contrast to outline a part's shape, find edges or view openings such as drilled holes, allowing for various vision operations. High intensity and uniformity are packed into a low-profile industrial package providing optimal thermal management to the LED's. Edge to Edge lighting on select sizes provides the unique ability to mate with multiple lights and provide illumination for larger areas.

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Typical Applications

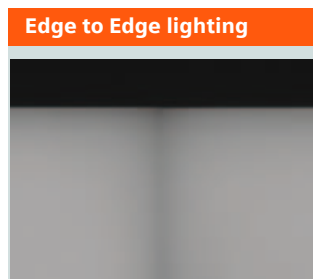
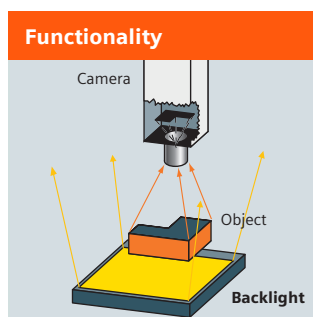
NERLITE LT430 Backlights can be used behind a part for various applications to provide identification of the following:

- Profiling / Contour / Outline of a part
- Presence / Absence of features
- Gauging
- Edge enhancement
- Object location
- Part Identification

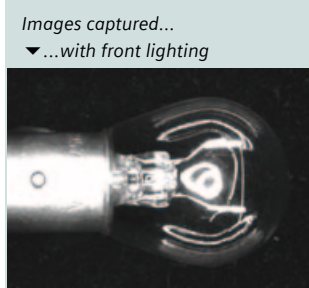
NERLITE LT430 Backlights can also be used as a very uniform front light to provide diffused even illumination.

highlights

- Edge to edge lighting technology (on select models) provides the unique ability to combine multiple standard backlights to create larger illuminated areas.
- High level of uniformity for repeatable machine vision results.
- Very Thin Profile backlight solution for integral machinery packaging
- M12 connector providing additional cabling options to Siemens Power Supplies and advanced controllers.
- Various sizes and wavelengths providing a versatile product series for easy to demanding applications.
- Models for continuous or strobe duty cycles are available to support static or high speed motion applications.



▲ Edge to Edge lighting provides the unique ability to mate multiple lights to provide continuous illumination of larger areas.



Technology Overview	
NERLITE LT430	
Active area	47mm x 59mm Edge to Edge 71mm x 88mm Edge to Edge 100mm x 100mm Edge to Edge 50mm x 200mm Edge to Edge 100mm x 200mm 150mm x 200mm 200mm x 250mm
Light Source	
■ Type	LED
■ Color	White, Red, Green, Blue, Infrared
■ Delivery	Diffused
■ Expected life time	50K hours
Operating mode	Continuous and Strobe operation
Connector type	M12 Eurofast connector
Supply voltage	Continuous (+24VDC) Strobe (varies; dependent on model)
Material of housing	Aluminum
Ambient temperature	
■ during the operating phase	40°C (104 °F)
■ during storage	50°C (122 °F)
■ Max. operating humidity	85% non-condensing
Product selection code	6GF3910-0A

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