



Spot Lights

LSP-41 Series

Super-Uniform Spotlight for wide variety of applications



Bright at a long working distance

High luminance spot lights "LSP-41 Series" is suited for limited and long working distance from 300mm to 500mm, with a compact design-Ø41mm diameter housing.

Applications; reading bar codes/2D codes. Inspecting die cast products such as automobile parts, wooden materials, and plastic materials.

Reading bar code
Light used: LSP-41RD



Reading QR code
Light used: LSP-41RD



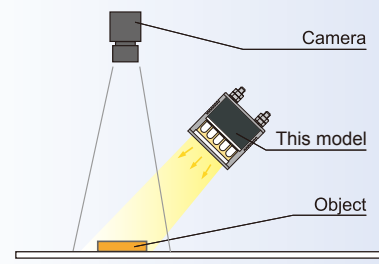
Inspecting dot-marked characters on pipe
Light used: LSP-41RD



* Optional Parts
Polarizing plate: PL-LSP-41

Illumination Structure of LSP-41RD

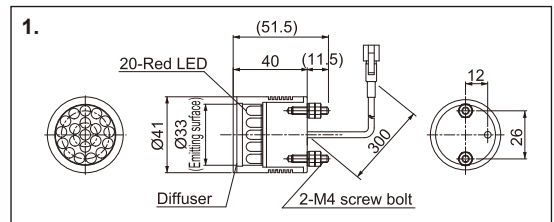
Narrow directive LEDs provide high condensing illumination. It also provides soft, even illumination through the diffusion plate.



Product Lineup Table

Series	Model Name	Color	Power Consumption	Options	Dimension
LSP-41	LSP-41RD	●	12V / 2.0W	P	1

Dimension Diagrams (Unit: mm)





Spot Lights

LV Series

Lightweight, Compact Spotlights LV Series



Lightweight, Compact Design

The low weight and compact design reduce space requirements.



These Spotlights can be used to directly illuminate workpieces, or they can be mounted on the coaxial epi-illumination sections of macro lens or other devices.

Complete Lineup

The standard lineup includes LED colors of red, white, and blue.



Spotlights are available with an 8-mm diameter opening, and optionally with 10-mm and 12-mm diameter openings.

Low Power Consumption

The LV-series Spotlights consume only 0.7 W to help save energy.

Direct Number : A direct number is a 7-digit number assigned to a CCS product. You can easily access the web page providing information on any desired product by simply entering the direct number in the space provided on the CCS website pages for machine vision. (Refer to the back cover of this brochure.)

Product Lineup Table

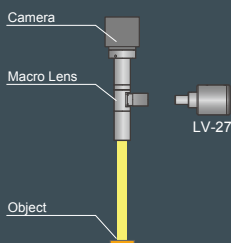
Series	Direct Number	Model Name	Color	Power Consumption	Dimension
LV	1005548	LV-27RD2	●	24V / 0.8W	1
	1002432	LV-27-R	●	12V / 0.7W	
	1002438	LV-27-SW	○	12V / 0.7W	
	1002425	LV-27-BL	●	12V / 0.7W	
	1002428	LV-27-GR	●	12V / 0.7W	

Existing RD-type Red Lights will be discontinued at the April 15, 2013. RD2-type Red Lights is recommended as replacement. The RD-type and RD2-type Lights have different input voltages. Always use a 24-VDC Control Unit with RD2-type Lights. For a comparison between the RD-type and RD2-type Lights, refer to page 1.

*The peak light frequency of the LV-27RD2 (red light) is 630 nm.
*The peak light frequency of the LV-27-R (red light) is 623 nm.

Application Example of LV series

Combine this Series with our unique Macro Lenses to achieve optimal illumination solutions.



Dimension Diagrams (Unit: mm)

