CA-DRM5X

Industrial automation components

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Manufacturer	Keyence
Catalog number	ca-drm5x
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Multi-Spectral Ring Light
Brand	Keyence
Part Number	CA-DRM5X
Illumination Method	Ring illumination
Lighting Modes	Multi-spectrum, LumiTrax™, Normal single-color
Controller Compatibility	CA-DC60E
Response Speed	1 ms or less
Connector Type	12-pole connector
Power Consumption	51.4 W
Operating Temperature	0 to 40°C
Humidity Range	65% or less (no condensation) %
Waga	560 g

Description

The Keyence CA-DRM5X is a multi-spectral ring light designed for industrial vision systems, offering versatile illumination for various inspection applications. Part of the CA-D series, it features a 50 mm ring illumination with eight LED colors: ultraviolet (405 nm), blue (457 nm), green (527 nm), orange (600 nm), red (660 nm), far red (730 nm), infrared (860 nm), and white (600 nm).

This wide spectrum enables precise differentiation of subtle differences and defects in target objects. The CA-DRM5X supports multiple lighting modes, including multi-spectrum, LumiTrax™, and

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normal single-color lighting, providing flexibility for diverse inspection needs.

It operates with a constant current control mode, offering 1,024-step digital gradation when connected to the CA-DC60E controller, with adjustable settings per wavelength. The response speed is 1 ms or less, ensuring rapid illumination changes.

The unit connects via a 12-pole connector and is compatible with dedicated cables up to 30 meters in length. Power consumption is 51.4 W during normal light emission. Environmental specifications include an operating temperature range of 0 to 40°C and a relative humidity of 65% or less (no condensation).

The CA-DRM5X weighs approximately 560 g, with slight increases when using optional dome or polarization attachments. This ring light is ideal for applications requiring precise and adaptable illumination, such as surface appearance inspections and defect detection.