

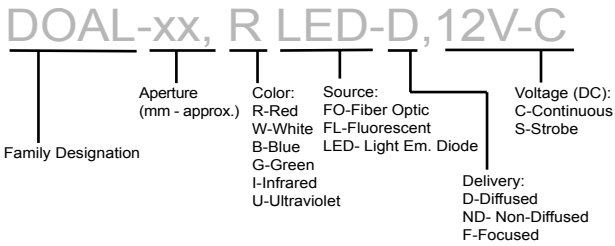
MICROSCAN®

NERLITE® DOAL®-100x200 LED

The **DOAL-100x200** provides diffuse illumination in the same optical axis as the camera. The DOAL is designed for applications that have flat specular surfaces requiring uniform lighting. With the DOAL, light rays reflect off the beam splitter directly on to the object at nearly 90°. This lighting technique helps bring out surface textures, elevation changes and translucent features. The DOAL-100x200 is designed to support two cameras, each with a 50mm (2.0 in.) field of view.

Model #	Description
NER-010203400	DOAL®-100x200, R LED-D, 12V-C, w/"Flying Leads"
NER-010203401	DOAL®-100x200, B LED-D, 12V-C, DB9

Description Key Example



Mechanical:

L x W x H (mm/in.): 183.1 mm x 236.7 mm x 103.6 mm
(7.21 in. x 9.32 in. x 4.08 in.)

Mounting: 6 M) 9 (

Housing Material: Black Anodized Aluminum

Weight: D B T

Environmental

Max. Operating Humidity: 95% non-condensing

Operating Temp. 40°C (104°F)

Storage Temp. 50°C (122°F)

Illumination & Electrical:

Lighting Technique: Diffuse On-Axis

Light Aperture: 100.2 mm x 230.4 mm
(3.94 in. x 9.07 in.)

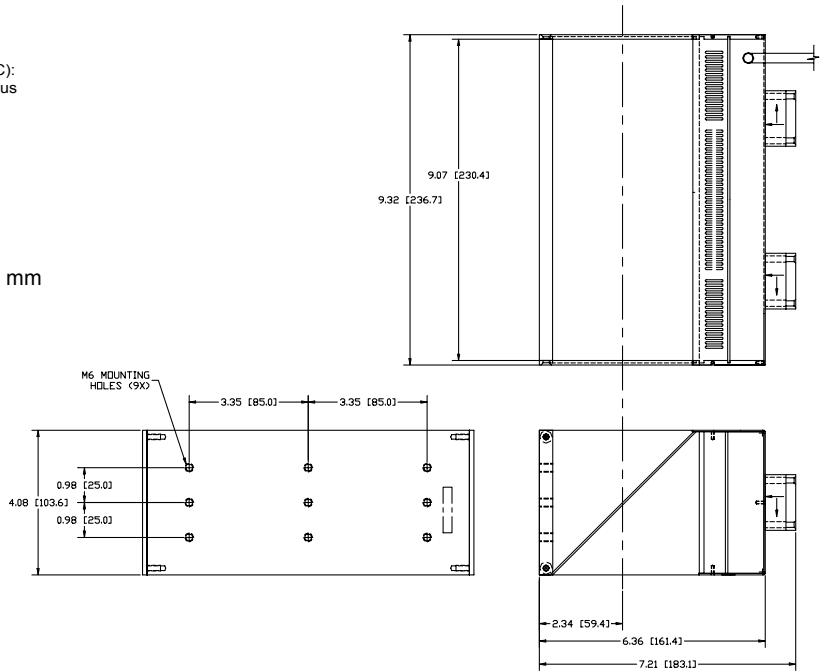
Field Of View x Stand-Off: ¹ 50 mm (2.0 in.) x 25 mm (1.0 in.)

Light Characteristics:

Source	Color (nm)	Exp. Life	Voltage/Current (max.)	
			12V-C	
LED	Red (636)	60k hrs.	3.5A	
LED	Blue (470)	50k hrs.	3.8A	

CE Conformity: Yes

¹ Per camera; DOAL-100x200 supports two cameras



Cables/Connectors:

	Connector	Length	Pin/Lead #	1	2	3	4	5	6	7	8	9
NER-010203401	9 pin D-sub Male	1.8 M (6 ft.)		+12VDC (Fan)	GND (Fan)	GND	+12VDC (DOAL)	+12VDC (DOAL)	n/c	n/c	n/c	n/c
NER-010203400	n/a, (flying leads)	6.0 M (20 ft.)		+12VDC (Fan)	GND (Fan)	GND	+12VDC (DOAL)	+12VDC (DOAL)	Shield			