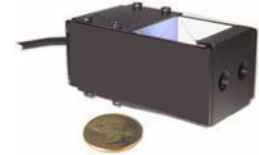


NERLITE® DOAL® -25-LED

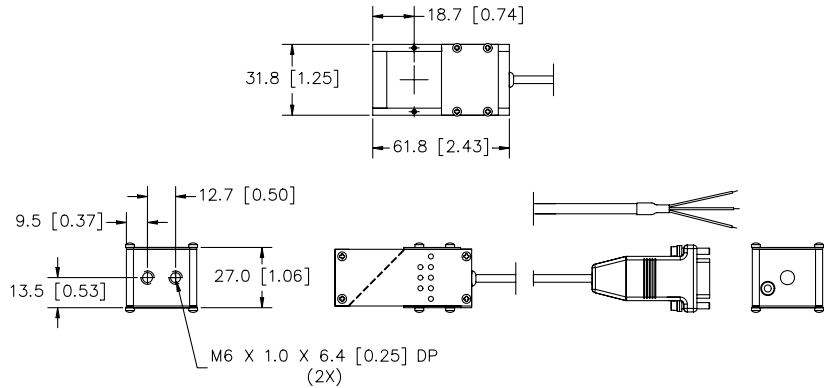
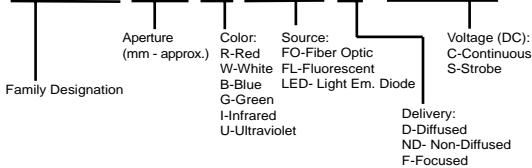
DOAL-25-LED Series products provide diffuse, LED illumination in the same optical path as the camera. DOALs are designed for applications that have flat specular surfaces requiring uniform lighting. With the DOAL, light rays hit the illuminated object at nearly 90°. The result: specular surfaces perpendicular to the camera appear illuminated, while surfaces at an angle to the camera appear dark.

Model #	Description
RVA:010201301	DOAL-25, R LED-D, 12V-C, 18" (0.5M) Cbl w/DB9
RVA:010201305	DOAL-25, R LED-D, 24V-C, 15' (4.5M) Cbl w/Flying Leads
RVA:010201318	DOAL-25, R LED-D, 24V-C, 6.6' (2M) Cbl w/DB9
RVA:010201319	DOAL-25, R LED-D, 24V-C, 6.6' (2M) Cbl w/DB9, w/AR Cover
RVA:010201314	DOAL-25, R LED-D, 24V-S, 6.6' (2M) Cbl w/DB9
RVA:010201310	DOAL-25, W LED-D, 12V-C, 18" (0.5M) Cbl w/DB9
RVA:010201312	DOAL-25, W LED-D, 24V-C, 6.6' (2M) Cbl w/DB9, w/AR Cover
RVA:010201313	DOAL-25, W LED-D, 24V-C, 15' (4.5M) Cbl w/Flying Leads
RVA:010201311	DOAL-25, B LED-D, 12V-C, 18" (0.5M) Cbl w/DB9
RVA:010201316	DOAL-25, B LED-D, 24V-S, 6.6' (2M) Cbl w/DB9
RVA:010201320	DOAL-25, G LED-D, 12V-C, 18" (0.5M) Cbl w/DB9
RVA:010201317	DOAL-25, I LED-D, 24V-C, 880nm, 6.6' (2M) Cbl w/DB9
RVA:010201321	DOAL-25, I LED-D, 24V-S, 800nm, 6.6' (2M) Cbl w/DB9



Description Key Example

DOAL-xx, R LED-D, 12V-C



Illumination & Electrical:

Lighting Technique: Diffuse On-Axis Light (DOAL®)
Light Aperture: 25 mm x 25 mm (1 in. x 1 in.)
Field Of View x Stand-Off¹: 12.5 mm x 12.5 mm (0.5 in. x 0.5 in.)
Light Characteristics:

Source	Color (nm)	Exp. Life	Voltage/Current (max.)		
			12V-C	24V-C	24V-S
LED	Red (636)	60k hrs.	88 mA	40 mA	800 mA pk. ²
LED	White – 6500 Kelvin	10k hrs.	80 mA	64 mA	n/a
LED	Blue (470)	10k hrs.	80 mA	n/a	1.46 A pk. ²
LED	Green (533)	10k hrs.	80 mA	n/a	n/a
LED	IR (880)	50k hrs.	n/a	20mA	n/a
LED	IR (800)	50k hrs.	n/a	n/a	492 mA pk. ²

¹Suggested

² Strobe max. Pulse width = 1 ms; max. Frequency = 60 Hz

CE Conformity: Yes

Mechanical:

L x W x H (mm/in.): 61.8 mm x 31.8 mm x 27.0 mm (2.43 in. x 1.25 in. x 1.06 in.)
Mounting: (2) M6
Housing Material: Black Anodized Aluminum
Weight: 113 grams (4 oz.)

Environmental:

Max. Operating Humidity: 95% non-condensing
Operating Temp. 40°C (104°F)
Storage Temp. 50°C (122°F)

Accessories:

Part #	Description	Models Used On
RVA:010500301	CPS-12 3.5A, 12VDC, US Cord	12V-C
RVA:010500303	CPS-12 3.5A, 12VDC, EU Cord	12V-C
RVA:010502601	CPS-24T, 24VDC US w/9-pin D-sub	24V-C & 24V-S ^{1,2}
RVA:010502602	CPS-24T, 24VDC EU w/9-pin D-sub	24V-C & 24V-S ^{1,2}
RVA:010501402	CPS-24, 24VDC, US cord	24V-S ¹
RVA:010501401	CPS-24, 24VDC, EU cord	24V-S ¹
RVA:010502700	ICM-1, M/D, 12V-C	12V-C
RVA:010502701	ICM-1, M/D Intensity Cntrl, 24V-C	24V-C ²
RVA:010502702	SCM-1, 1 Channel M/D Strobe Cntrl.	24V-S
RVA:010901900	SCM-2, 2 Channel Strobe Cntrl.	24V-S
RVA:010503500	VPS-II, 2 Ch. Variable PS, US Cord	12V-C
RVA:010503501	VPS-II, 2 Ch. Variable PS, EU Cord	12V-C
RVA:030003702	Ext. Cable, Cont., 18 M (6 ft.)	12V-C & 24V-C ²
RVA:030003703	Ext. Cable, Cont., 3.0 M (10 ft.)	12V-C & 24V-C ²
RVA:030003601	Y cable, 2 Lights, 9 pin D-sub Cont.	12V-C & 24V-C ²
RVA:030007006	Ext. Cable, Strobe, 1.8 M (6 ft.)	24V-S
RVA:030007010	Ext. Cable, Strobe, 3.0 M (10 ft.)	24V-S
RVA:030006900	Y cable, 2 Lights, 9 pin D-sub Strb.	24V-S

¹ RVA:01050140x used only with RVA:010901900;

RVA:01050260x used with either RVA:010502702 or 24V-C lights with DB-9 connectors

² 24V-C accessories are not available for "Flying Leads" configurations

Cables/Connectors:

Connector	Length	Pin#	1	2	3	4	5	6	7	8	9
12V-C Models	9 pin D-sub Male	0.5 M (18 in.)	n/a	n/a	GND	+12VDC	n/a	n/a	n/a	n/a	n/a
24V-S Models	9 pin D-sub Male	2.0 M (6.6 ft.)	V-	n/a	n/a	+24VDC	n/a	n/a	n/a	n/a	n/a
24V-C Models¹	9 pin D-sub Male ¹	2.0 M (6.6 ft.) ¹	n/a	n/a	n/a	n/a	n/a	n/a	+24VDC	n/a	GND

¹ Note: 24V-C Models w/"Flying Leads" have a 4.5 M (15 ft.) cable with two (2) tinned leads plus shield and no connector; leads are labeled GND, V+ (+24VDC), and SHIELD