

PART NUMBER: 010-603300

PRODUCT DESCRIPTION: The DF-200-1 provides low-angle continuous illumination to the region of interest. The unit uses a single tier of LEDs mounted 90° to the optical axis. The light enhances the contrast of surface features such as laser, embossed or engraved marks or surface defects. The light is particularly suited for applications such as BGA ball placement, laser-etched symbologies and surfaces with geometric contours.

ILLUMINATION:

Lighting Technique: Dark-field, diffuse
Source Type: Red LED
Spectrum: 636 nm
Expected Life: 60,000 hours
Light Delivery: 1 tier, 90 deg.
Light Aperture: 203.2 mm (8 in.)
Suggested Field Of View: 100 mm (3.93 in.)
Suggested Stand-Off: 6.35 mm (0.25 in.)

ELECTRICAL:

Input Voltage: 12VDC
Input Current: 400 mA
Cable Length: 1.8 M (6 ft.)
Connector: 9 pin D-sub male
CE Conformity: Yes

MECHANICAL:

L x W x H: 254.0 mm x 254.0 mm x 14.2 mm
 (10.0 in. x 10.0 in. x 0.56 in.)
Mounting: (4) 8-32 and (4) M4 on top of unit
Housing Material: Black Epoxy Paint over Aluminum
Weight: 1.25 lbs.

ENVIRONMENTAL:

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

CABLE PINOUT (9-pin D-subminiature, Male)

Pin #	Signal	Pin #	Signal
1	n/a	6	n/a
2	n/a	7	n/a
3	GND	8	n/a
4	+12VDC	9	n/a
5	n/a		

ACCESSORIES:

Part Number	Description	Part Number	Description
030-003700	Extension Cable, Continuous, 1.8 M (6 ft.)	010-500303	CPS-12, 12VDC, EU Cord
030-003701	Extension Cable, Continuous, 3.0 M (10 ft.)	010-501200	VPS, Variable, US Cord
010-500301	CPS-12, 12VDC, US Cord	010-501201	VPS-EU, Variable, EU Cord

