

## Compact and powerful red light emitter for marking cutting lines and many other optical projections - Series LT1S20



### M4301A4VL0

**Type of projection:** Line  
**Wavelength:** 635 nm (bright red)  
**Max output power:** 1 mW  
**Supply voltage:** 5 Vdc  
**Protection class:** IP67

## TECHNICAL DETAILS

<b>Code</b>	M4301A4VL0
<b>Light source</b>	Laser diode
<b>Type of projection</b>	Line
<b>Wavelength</b>	635 nm (bright red)
<b>Max output power</b>	1 mW
<b>Supply voltage</b>	5 Vdc
<b>Operating current</b>	<40 mA
<b>Connection</b>	M12 connector + cm 500 cable
<b>Casing</b>	Green anod.alum.
<b>Dimension</b>	20x145 mm
<b>Linlength</b>	Max 1,5mt
<b>Protection class</b>	IP67
<b>Laser class</b>	2
<b>Storage temperature °C/°F</b>	-40 +85 °C / -40 +185 °F
<b>Operating temperature °C/°F</b>	-10 +50 °C / 14 +122 °F
<b>Application sector</b>	Nautical constructions, construction, rubber, plastic, metals, textiles, ceramics, wood, marble and stone, glass, paper, leather/skins, tyres, medicine, measurements etc.
<b>Color</b>	Bright red
<b>Note</b>	For better use you have to specify the focus distance. If not specified, emitter is focused for infinity. Line lenses with spread 5°, 20°, 30°, 45°, 90° available. The line has a wide, at a distance of mm 1000 from the emission point and perpendicularly to laser beam, as it follows: 05° spread = mm 70 ; 20° spread = mm 310 ; 30° spread = mm 660 ; 45° spread = 800mm; 90° spread = mm 1800. You have to specify the spread that you wish. If not specified, emitter is shipped with a 90° spread lens. The visibility and the length of the line depend on the mounting of the laser and the brightness of the environment. Other optical projections available on request

## RELATED ACCESSORIES

- Stabilized power supplier, input 8-30Vac-Vdc, output 5Vdc, 1A DIN attachment
- Stabilized power supplier input 85-265Vac, output 5Vdc, 600mA, schuco plug
- Stabilized power supplier input 100-240Vdc, output 5Vdc, 3A, DIN attachment
- Dimming flap 20 mm diam, black
- Reclining bracket for 20 mm diam module, black
- Inox rod diam mm 20x295, side milled, fixing holes (to be used with brackets 9SM2001N00 - 9SM5001N00)
- Horiz/vert twistable bracket for 20 mm diam module, black anod. alum., mountable on 20 mm diam rod
- Adjustable bracket for 20 mm diam module, flat, black, 12 mm diam inox rod included

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- Protection for 20 mm diam module - white

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