



LPS-Laser modules

Made in Germany

LPS laser modules – made in Germany – made with great attention for fine selected and hand-made modules.

An LPS laser module means premium quality for laboratory, industry and rugged field applications. In our headquarter each LPS laser module is developed by our own engineers, each LPS laser module is produced for highest demands.

LPS laser modules are available as a red, green, blue or a RGB module with different laser power. Because of precise high-quality components and hermetically sealed housing, it ensures reliable long lifetime and constant laser power by low maintenance.



We supply each laser module as a laser head ready for integration, thus including driver electronics and TEC cooling.

OEM modules on request.

Basically:

sizes in	length x height x width
analog modulation (kHz)	50kHz
operating Temp (°C)	0-40°C
life Time (h)	10000h
laser output height	38mm / 1.49 inch
warranty	12 months
power supply	not include
heatsink	not include

1W red@637nm (Ø 3.5x4.5mm / full angle div. 0.8mrad) LD: 24V / 300mA, TEC: 12V / 2,5A	Module size: 123 x 82 x 85 mm / 4,84 x 3,23 x 3,35 inch
2W red@637nm (Ø 3.5x4.5mm / full angle div. 0.8mrad) LD: 24V / 600mA, TEC: 12V / 2,5A	Module size: 123 x 82 x 85 mm / 4,84 x 3,23 x 3,35 inch
3W red@637nm (Ø 3.5x5.5mm / full angle div. 0.8mrad) LD: 24V / 900mA, TEC: 24V / 4A	Module size: 148 x 82 x 138 mm / 5,59 x 3,23 x 5,43 inch
4W red@637nm (Ø 4.5x5.5mm / full angle div. 0.8mrad) LD: 24V / 1,2A, TEC: 24V / 4A	Module size: 148 x 82 x 138 mm / 5,59 x 3,23 x 5,43 inch
5W red@637nm (Ø 5.5x5.5mm / full angle div. 0.8mrad) LD: 24V / 1,5A, TEC: 24V / 4A	Module size: 148 x 82 x 138 mm / 5,59 x 3,23 x 5,43 inch
6W red@637nm (Ø 4x5mm / full angle div. 1.0mrad) LD: 24V / 1,8A, TEC: 24V / 4A	Module size: 148 x 82 x 138 mm / 5,59 x 3,23 x 5,43 inch
8W red@637nm (Ø 5x5mm / full angle div. 1.0mrad) LD: 24V / 2,1A, TEC: 24V / 4A	Module size: 170 x 82 x 158 mm / 6,69 x 3,23 x 6,22 inch
1W green@520nm (Ø 4x5mm / full angle div. 0.6mrad) LD: 12V / 2,5A, TEC: 12V / 4A	Module size: 95 x 54 x 69 mm / 3,74 x 2,13 x 2,72 inch
2W green@520nm (Ø 4x5mm / full angle div. 0.6mrad) LD: 12V / 2,5A, TEC: 12V / 4A	Module size: 95 x 54 x 69 mm / 3,74 x 2,13 x 2,72 inch
4W green@520nm (Ø 5x5mm / full angle div. 1.0mrad) LD: 24V / 2,5A, TEC: 12V / 8A	Module size: 123 x 82 x 85 mm / 4,84 x 3,23 x 3,35 inch
6W green@520nm (Ø 6x6mm / full angle div. 1.0mrad) LD: 24V / 5A, TEC: 12V / 16A	Module size: 130 x 82 x 102 mm / 5,12 x 3,23 x 4,02 inch
8W green@520nm (Ø 6x6mm / full angle div. 1.0mrad) LD: 24V / 5A, TEC: 12V / 16A	Module size: 130 x 82 x 102 mm / 5,12 x 3,23 x 4,02 inch

	<p>picture by JENOPTIK</p> <p>5W green@532nm / JenLas D.2 mini incl. driver TEC/PS/Collimator (\varnothing 3.5mm / full angle div. 0.9mrad)</p>	<p>Module size: 108 x 38 x 67 mm / 4,25 x 1,50 x 2,64 inch Driver size: 108 x 51 x 44 mm / 4,25 x 2,01 x 1,73 inch</p>
	<p>picture by JENOPTIK</p> <p>8W green@532nm / JenLas D.2 mini incl. driver/TEC/PS/Collimator (\varnothing 3.5mm / full angle div. 1.0mrad)</p>	<p>Module size: 108 x 38 x 67 mm / 4,25 x 1,50 x 2,64 inch Driver size: 108 x 51 x 44 mm / 4,25 x 2,01 x 1,73 inch</p>
<p>1W blue@445nm (\varnothing 4x4mm / full angle div. 0.8mrad) LD: 12V / 2A, TEC: 12V / 4A</p>	<p>Module size: 95 x 54 x 69 mm / 3.74 x 2,13 x 2,72 inch</p>	
<p>2W blue@445nm (\varnothing 4x4mm / full angle div. 0.8mrad) LD: 12V / 2A, TEC: 12V / 4A</p>	<p>Module size: 95 x 54 x 69 mm / 3.74 x 2,13 x 2,72 inch</p>	
<p>4W blue@445nm (\varnothing 4x4mm / full angle div. 0.8mrad) LD: 12V / 2A, TEC: 12V / 4A</p>	<p>Module size: 95 x 54 x 69 mm / 3.74 x 2,13 x 2,72 inch</p>	
<p>6W blue@445nm (\varnothing 5x4mm / full angle div. 1.0mrad) LD: 24V / 2A, TEC: 12V / 8A</p>	<p>Module size: 123 x 82 x 85 mm / 4,84 x 3,23 x 3,35 inch</p>	
<p>8W blue@445nm (\varnothing 5x4mm / full angle div. 1.0mrad) LD: 24V / 2A, TEC: 12V / 8A</p>	<p>Module size: 123 x 82 x 85 mm / 4,84 x 3,23 x 3,35 inch</p>	
<p>12W blue@445nm (\varnothing 6x4mm / full angle div. 1.0mrad) LD: 24V / 4A, TEC: 12V / 16A</p>	<p>Module size: 130 x 82 x 102 mm / 5,12 x 3,23 x 4,02 inch</p>	
<p>16W blue@445nm (\varnothing 6x6mm / full angle div. 1.0mrad) LD: 24V / 4A, TEC: 12V / 16A</p>	<p>Module size: 130 x 82 x 102 mm / 5,12 x 3,23 x 4,02 inch</p>	
<p>3W RGB Laser module 1W@637nm / 1W@520nm / 1W@445nm (\varnothing 5x5mm / full angle div. 0.8mrad) LD: 12V / 4,5A, 24V / 300mA, TEC: 12V / 6,5A</p>	<p>Module size: 128 x 82 x 175 mm / 5,04 x 3,23 x 6.89 inch</p>	
<p>6W RGB Laser module 2W@637nm / 2W@520nm / 2W@445nm (\varnothing 5x5mm / full angle div. 0.8mrad) LD: 12V / 4,5A, 24V / 600mA, TEC: 12V / 12A</p>	<p>Module size: 128 x 82 x 175 mm / 5,04 x 3,23 x 6.89 inch</p>	