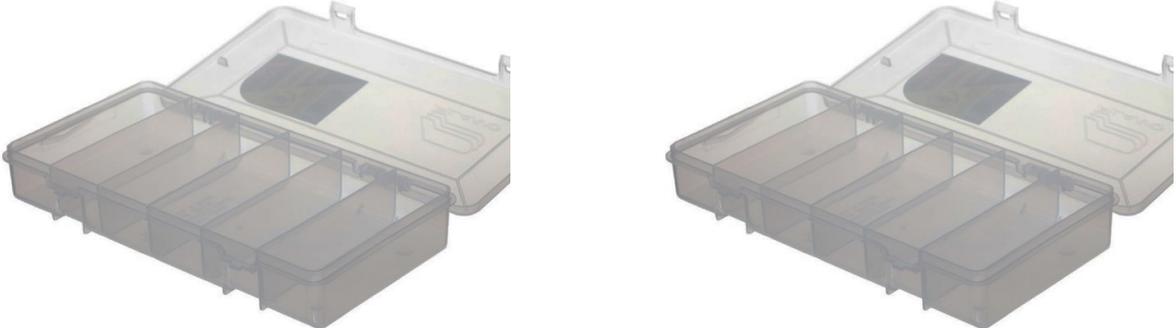


PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
1	Silver Series Plastic Case	1
	 	
2	Plano® Prolatch™ Stowaway Tackle Box	2
		
3	Pocket Stowaway 6-Fixed Compartments	2
		
4	Base, Mounting, 2" x 3" x 3/8"	2

PHOTONICS KIT LIST

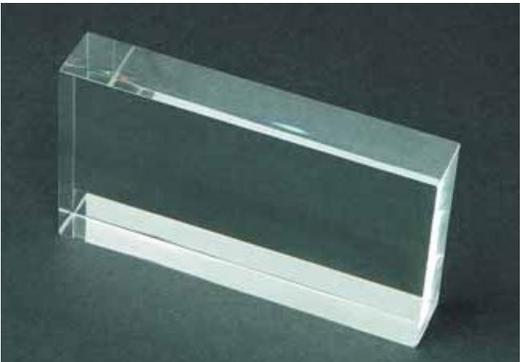
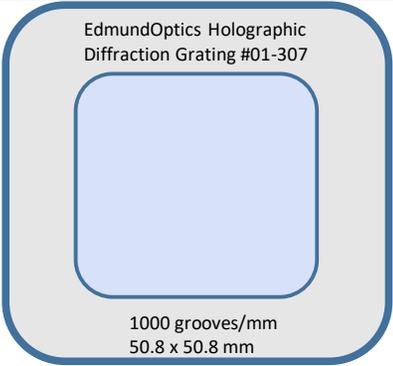
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
		

PHOTONICS KIT LIST

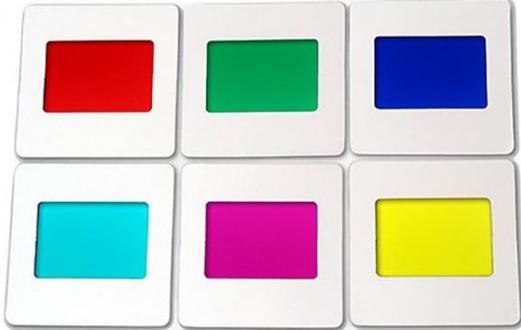
1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
5	Block, Acrylic, rectangular: 75mm X 50mm X 15 mm.	1
		
6	Diffraction Grating, 1000 lines/mm	1
		
7	Filter Holder, dual	2
		
8	Filter Set, Color (RGB, CMY)	1

PHOTONICS KIT LIST

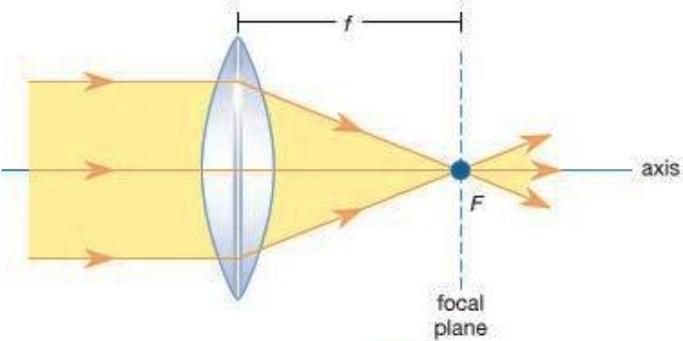
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
	 Six colored filters arranged in two rows of three. The top row contains red, green, and blue filters. The bottom row contains cyan, magenta, and yellow filters. Each filter is a small white square with a colored rectangular window in the center.	

PHOTONICS KIT LIST

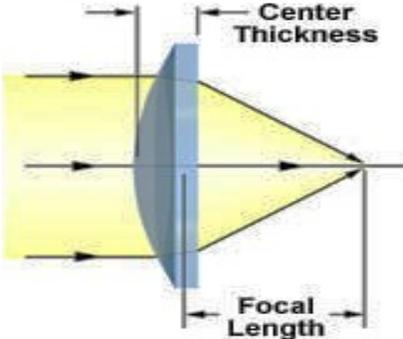
1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
9	Laser Diode Module, collimated, 635 nm, 1.2 mW ***	2
		
10	Laser Diode Power Supply, 5 VDC, 2.5 mm Phono Plug, 120 VAC	2
	 <p style="text-align: center;">Location-Specific Power Cord Provided</p>	
11	N-BK7 Bi-Convex Lens, Ø25.4mm, $f = 25.4$ mm, Uncoated	1
		
12	N-BK7 Plano Convex Lens, Ø25.4mm, $f = 200$ mm, Uncoated	1

PHOTONICS KIT LIST

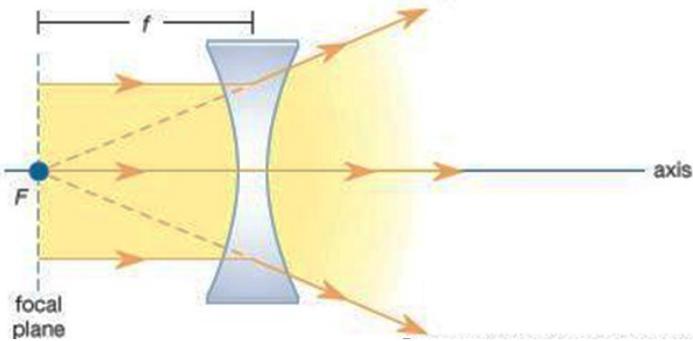
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
	 <p>The diagram illustrates a converging lens (biconvex) focusing parallel light rays. The lens is shown in profile, with a central thickness labeled 'Center Thickness'. Parallel light rays, represented by horizontal arrows, enter the lens from the left. After passing through the lens, the rays converge to a single point on the right, labeled 'Focal Length'. The distance from the center of the lens to this focal point is indicated by a horizontal line with arrows at both ends. The light rays are shown as a yellow shaded area that narrows as they converge.</p>	

PHOTONICS KIT LIST

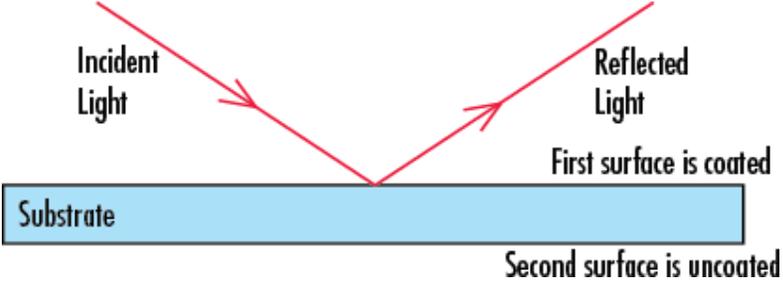
1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
13	N-BK7 Bi-Concave Lens, $\text{\O}25$ mm, $f = -25.0$ mm, Uncoated	1
		
14	Lens Mount, Fixed, Inside Diam = 25mm	2
		
15	Kinematic Mirror Mount, no mirror, 25mm x 25mm	2
		
16	Mirror, 25.4mm x 51mm x 6mm, First Surface Mirror, Grade 2	2

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
	  <p>Incident Light</p> <p>Reflected Light</p> <p>First surface is coated</p> <p>Substrate</p> <p>Second surface is uncoated</p>	

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
17	Optical Breadboard, 30.5cm x 45.7cm x 1.27cm	1
		
18	Photometer, Digital, Low Power	1
		
19	Polarizer, glass, Diameter (\varnothing) = 23mm	1
		
20	Post Holders 3.9mm x 2.54mm	6

PHOTONICS KIT LIST

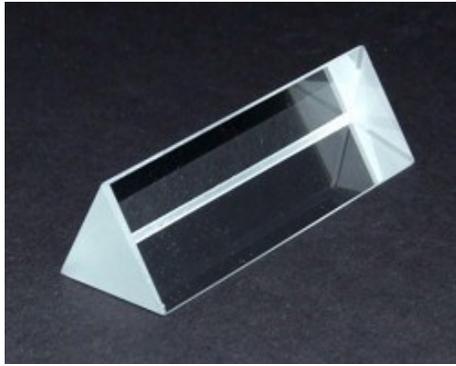
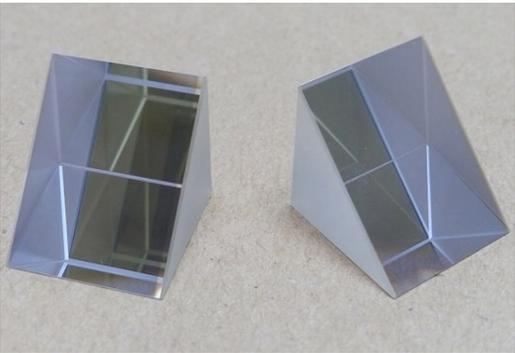
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
		

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
21	Posts 3.9mm x 1.27mm, 2 - pieces to each post	7
	 <p>The image shows seven cylindrical metal posts with a threaded top and a circular hole on the side. Each post has 'EDMUND OPTICS' printed on the top. To the right of the posts is a separate cylindrical metal cap with a threaded top and a circular hole on the side, labeled 'Removable "top"'.</p>	
22	Prism, Equilateral, 25mm x 75mm	1
	 <p>The image shows a clear, equilateral triangular prism with a rectangular top surface, resting on a dark surface.</p>	
23	Prism, Right Angle, 25mm X 25mm, BK9 Optical Glass	2
	 <p>The image shows two clear, right-angle prisms with square bases, resting on a light-colored surface.</p>	
24	Right-Angle Clamp or Post Holder for 1.27mm post	2

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
	 Two black, cylindrical optical components, likely beam splitters or mirrors, with adjustment screws. Each component has a central circular opening and a side opening. The side opening has a textured, knurled adjustment ring. The top surface has a circular opening. The components are shown from a perspective view, one slightly behind the other.	

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
25	Rotation Mount, Ø25mm Optics, 8-32 Tap	1
		
26	Rotation Stage, 6.35mm x 6.35mm	1
		
27	Mounted Precision Pinhole, Ø25mm, $50 \pm 3 \mu\text{m}$ Pinhole Diameter	1
		
28	Single Slit, Ø25mm, Mounted Slit, $100 \pm 4 \mu\text{m}$ Wide, 3 mm Long	1

PHOTONICS KIT LIST

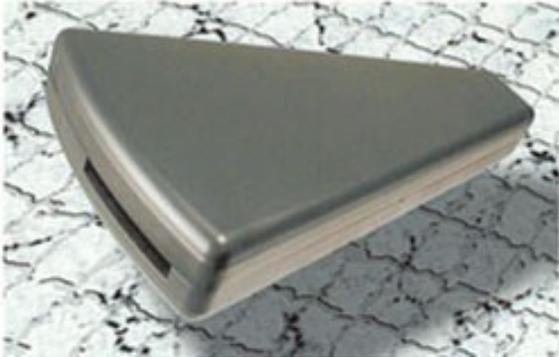
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
		

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
29	Spectroscope 	1
30	Translation Stage, single axis, 7.6cm x 10.2cm 	1
31	V-Clamp with Clamping Arm, Cylindrical Laser Mount, 6.35mm, 2 - piece 	1
32	1/4 Wave Plate, Multiple Order Quartz, $\text{\O}=12.7\text{mm}$, w/mount 25mm	1

PHOTONICS KIT LIST

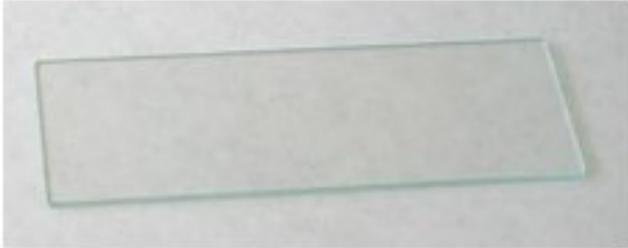
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
	 A circular, black, multi-order waveplate from Thorlabs. The top surface is labeled "THORLABS" in white. The side of the waveplate has "MULTI ORDER" on the left, "EAST" on the right, and " $\lambda/4$ @ 633nm" at the bottom. The center of the waveplate is a light blue color.	

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
33	Coast G19 LED Inspection Flashlight	1
		
34	Microscope Slide	1
		
35	Polarizer, slide mounted	2
		
36	Razorblades, single edge, stainless steel	1

PHOTONICS KIT LIST

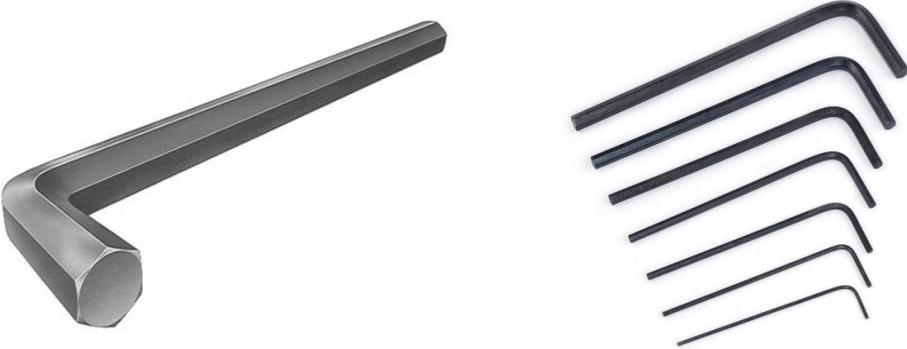
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
		

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
37	Westcott 45.7mm Stainless Steel Ruler with Non Slip Cork Base, English and Metric 	1
38	Hardware, Hex Wrench Set , 7-piece 	1
39	1/4"-20 Stainless Steel Cap Screw, 1/2" Long 	6
40	1/4"-20 Stainless Steel Setscrew, 1/2" Long	6

PHOTONICS KIT LIST

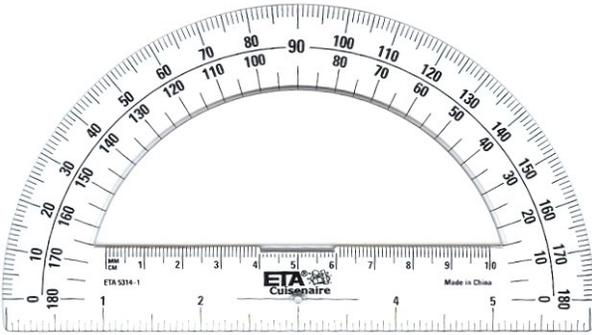
1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
		

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Item #	Equipment Description	Qty/kit
41	<p>3"x5" Index Card</p> 	5
42	<p>Protractor</p> 	1
43	<p>Optical Cleaning Kit, MATIN Lens Cleaning Paper, 50 sheets/pack, 1 pack/kit</p> 	1
44	<p>Optical Cleaning Kit, Zeiss Pre-Moistened Lens Cleaning Wipes, 5 packets/kit</p>	5

PHOTONICS KIT LIST

1 - Kit = 1 - Work Station for 2 - students

Based on OPTEC's *Fundamentals of Light Lasers*

Item #	Equipment Description	Qty/kit
	 Five packets of Zeiss Lens Cleaning Wipe are shown, arranged in a slightly overlapping row. Each packet is white with blue and black text. The text on the packets includes "A WORLD LEADER IN EYEGLASS LENSES" at the top, the Zeiss logo, "LENS CLEANING WIPE" in large blue letters, and "TOALLA LIMPIA LENTE" below it. At the bottom of each packet, it says "Contains 1 Pre-Moistened Wipe" and "Contains 1 Toalla Pre-Humectada".	