


Welch Allyn Pocket LED & Pocket Plus LED Ophthalmoscope

Product Specifications:



	Pocket LED Ophthalmoscope	Pocket Plus LED Ophthalmoscope 
Model Numbers	12870-BLK, 12870-WHT, 12870-PUR, 12870-BLU	12880-BLK, 12880-WHT, 12880-PUT, 12880-BLU
Total Height	17.5 cm	17.5 cm
Head Width	3.0 cm	3.0 cm
Head Depth	2.8 cm	2.8 cm
Handle Diameter	2.1 cm	2.1 cm
Weight <i>Head and Handle (no batteries)</i>	2.5 oz	2.5 oz
Battery Type	AA Alkaline x 2	AA Alkaline x 2
Battery Life	>5 hrs	>5 hrs
Lamp Type	SureColor LED	SureColor LED
Lamp Life	10,000 to 20,000 hours	10,000 to 20,000 hours
Efficiency	1.8	1.8
Diopter Range	'-20 to +20	'-20 to +20
Diopter Steps	'-20, -15, -10, -8, -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8, 10, 15, 20	'-20, -15, -10, -8, -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8, 10, 15, 20
Filter Types	Red-free, Cobalt Blue	Red-free, Cobalt Blue, Neutral Density
Aperture Spot Sizes	5 (Small, Medium, Large, Slit, Fixation)	5 (Small, Medium, Large, Slit, Fixation)
Total Flux Large Aperture <i>(lms, Andor)</i>	.2 to .45 lumens	.2 to .45 lumens
Field of Illumination/ Distribution, large aperture	11.4 mm at 50 mm distance	11.4 mm at 50 mm distance
UV/VIS/IR at FO <i>(% from SPD, Optronic)</i>	0%/98.68%/1.32%	0%/98.68%/1.32%
User Contact Temperature	8°C over ambient max.	8°C over ambient max.




Available Color Options:

Onyx, Blueberry, Plum, Vanilla

Welch Allyn Pocket LED & Pocket Plus LED Otoscope

Product Specifications:



	Pocket LED Otoscope	Pocket Plus LED Otoscope 
Model Numbers	22870-BLK, 22870-WHT, 22870-PUR, 22870-BLU	22880-BLK, 22880-WHT, 22880-PUR, 22880-BLU
Total Height	16.8 cm	16.8 cm
Head Width	3.0 cm	3.0 cm
Head Depth	5.1 cm	5.1 cm
Handle Diameter	2.1 cm	2.1 cm
Weight <i>Head and Handle (no batteries)</i>	2.53 oz (71.7 grams)	2.53 oz (71.7 grams)
Battery Type	AA Alkaline x 2	AA Alkaline x 2
Battery Life	>5 hrs	>5 hrs
Lamp Type	SureColor LED	SureColor LED
Lamp Life	10,000 to 20,000 hours	10,000 to 20,000 hours
Light Transmission	Fiber Optic	Fiber Optic
Efficiency (<i>lumens/watt</i>)	10.3	10.3
Magnification Power	3.4X	3.4X
Diopter	13.6	13.6
Working Distance w/Specula (<i>visual, best focus dist</i>)	6.5 mm from 4 mm speculum tip	6.5 mm from 4 mm speculum tip
Resolution w/Specula (<i>visual, lp/mm</i>)	3 - 6 lp/mm at working distance	3 - 6 lp/mm at working distance
Depth of Focus w/Specula (<i>visual</i>)	0 to 11 mm from speculum tip	0 to 11 mm from speculum tip
Focal Length	73.45 mm (2.9 in)	73.45 mm (2.9 in)
Field of Illumination/Distribution at FO	34.1 mm @ 50 mm distance from tip	34.1 mm @ 50 mm distance from tip
UV/VIS/IR at FO (<i>% from SPD, Optronic</i>)	0%/99.47%/0.53%	0%/99.47%/0.53%
Total Flux at FO (<i>lms, Andor</i>)	2.66 lumens	3.62 lumens
Intensity as FO (<i>lux, FC, UDTS370/263 photometer</i>)	1240 lux with 4 mm specula	1540 lux with 4 mm specula
User Contact Temperature	8°C over ambient max.	10°C over ambient max.
Pneumatic Otoscopy Port	Yes	Yes
Pneumatic Otoscopy Seal	Yes	Yes



Available Color Options:

Onyx, Blueberry, Plum, Vanilla

For more information on the Welch Allyn Pocket LED and Pocket Plus LED Otoscope and Ophthalmoscope, please contact your local distributor or Welch Allyn at 1.800.535.6663.