


# 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-PUR, 12880-BLU
Total Height	17.5 cm	17.5 cm
Head Width	3.3 cm	3.3 cm
Head Depth	3.0 cm	3.0 cm
Handle Diameter	2.1 cm	2.1 cm
Weight <i>Head and Handle (no batteries)</i>	2.56 oz	2.56 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
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>(lumens, 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 Colour 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 Head and Handle (no batteries)	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
Magnification Power	3.4X	3.4X
Diopter	13.6	13.6
Working Distance w/Specula (visual, best focus dist)	6.5 mm from 4 mm speculum tip	6.5 mm from 4 mm speculum tip
Resolution w/Specula (visual, lp/mm)	3 - 6 lp/mm at working distance	3 - 6 lp/mm at working distance
Depth of Focus w/Specula (visual)	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 (% from SPD, Optronic)	0%/99.47%/0.53%	0%/99.47%/0.53%
Total Flux at FO (lumens, Andor)	2.90 lumens	5.50 lumens
Intensity at FO (lux, FC, UDT5370/263 photometer)	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 Otopscopy Port	Yes	Yes
Pneumatic Otopscopy Seal	Yes	Yes



**Available Colour Options:**  
Onyx, Blueberry, Plum, Vanilla

For more information on the Welch Allyn Pocket LED and Pocket Plus LED Otoscope and Ophthalmoscope, please contact your Welch Allyn representative.