



Content of the slide

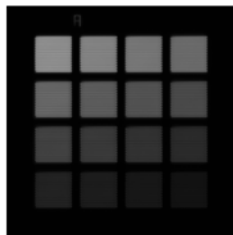
Each Argo-LM slide contains 5 fluorescent patterns.



3D Crossing stairs

PAT-AG03-EM3-I9

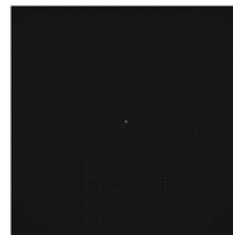
This pattern, consists of twice 21 empty cylinders embedded at different depths, like two crossing stairs, with a step of 2.5 μm and surrounded by four pillars.



4x4 Intensity gradation

PAT-AG03-EM3-C3

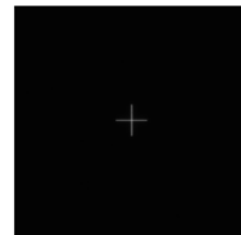
This pattern consists of two layers of sixteen 100 μm - wide squares, on top of each other, having different fluorescence intensity levels following a linear



Field of rings

PAT-AG03-EM3-B3

This pattern consists of a matrix of 53x53 rings, separated by 50 μm , on a total field of 2600 μm \times 2600 μm . The field of rings is surrounded by eight landmarks



Repositioning crosses

PAT-AG03-EM1-H3

The repositioning crosses are 40 μm long.



Word Argolight

PAT-AG03-EM3-J3

This pattern consists of the letters forming the company name "Argolight", rotated by 180° around the horizontal axis, and surrounded by a 220 μm \times 50 μm frame.

Lifetime warrantied fluorescence presence

Dimensions:75x25x1.5 mm

Materials:Anodized aluminum enclosure with an AG03 glass core

Excitation range:continuum 250-650 nm

Emission range:continuum from the excitation wavelength plus 15 nm,to 800 nm

Immersion medium compatibility:dry, oil: no limitation,water objectives: less than 20 min at a time


















Storage conditions:room temperature (10-40 °C)and under normal relative humidity(20-70 % RH)

Imaging technology compatibility:any fluorescence-based imaging except depletion-based technology and multiphoton imaging

Light exposure damage threshold:50 GW/cm² irradiance (peak or average)

Analyze

More than 12 automated quality tests, several tens of relevant metrics.

 FIELD UNIFORMITY	 FIELD DISTORTION	 LATERAL CO- REGISTRATION ACCURACY	 LINE SPREAD FUNCTION	 RING SPREAD FUNCTION	 LATERAL RESOLUTION
 OPTICAL SECTIONING STRENGTH	 STAGE REPOSITIONING REPEATABILITY	 STAGE DRIFT DURING TIMELAPSE	 STAGE DRIFT DURING Z STACKING	 ACCURACY OF 3D RECONSTRUCTION	 INTENSITY RESPONSE
 SPECTRAL RESPONSE	 POWER METER	 POINT SPREAD FUNCTION	 ACCURACY OF CO- REGISTRATION	 UNIFORMITY OF FIELD	