



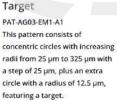
### Content of the slide

Each Argo-HM slide contains 16 fluorescent patterns.





This pattern consists of radii from 25 µm to 325 µm with a step of 25 µm, plus an extra circle with a radius of 12.5 µm,





3D Crossing stairs 1µm step

PAT-AG03-EM1-I1 This pattern consists of twice 11 empty cylinders embedded at different depths, like two crossing stairs, surrounded by four pillars. The step is: 1 µm.



### Field of rings

PAT-AG03-EM1-B1 This pattern consists of a matrix of 45×45 rings, separated by 15  $\mu$ m, on a total field of 660  $\mu$ m imes660 µm. The field of rings is surrounded by eight landmarks and exhibits an 8 µm long cross in its center.



## 3D Crossing stairs 0.75 μm step

PAT-AG03-EM1-I2 This pattern consists of twice 11 empty cylinders embedded at different depths, like two crossing stairs, surrounded by four pillars. The step is: 0.75 µm.



#### 4×4 Intensity gradation

PAT-AG03-EM1-C1 This pattern consists of sixteen 8.5 µm-wide squares having different fluorescence intensity levels following a linear evolution, organized in a 4×4 matrix.



#### 2×16 Intensity Gradation

PAT-AG03-EM1-D1

This pattern consists of twice sixteen 22.5 µm × 1.5 µm rectangles having different fluorescence intensity levels following a linear evolution, organized in a 2×16 matrix.



### 3D Crossing stairs 0.5 μm step

PAT-AG03-EM1-I3 This pattern consists of twice 11 empty cylinders embedded at different depths, like two crossing stairs, surrounded by four pillars. The step is: 0.5 µm.



# 3D Crossing stairs 0.25 µm step

PAT-AG03-EM1-I4 This pattern consists of twice 11 empty cylinders embedded at different depths, like two crossing stairs, surrounded by four pillars. The step is: 0.25 µm.

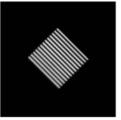
上海昊量光电设备有限公司

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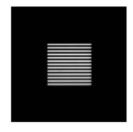
Gradually spaced lines descending

PAT-AG03-EM1-E3

This pattern consists of pairs of 50 µm-long lines whose spacing gradually increases, from 100 nm to 700 nm, with a step of 50 nm. One set of lines is present: descending (- 45°).



Repositionning crosses PAT-AG03-EM1-H1 The repositioning crosses are 40 µm long.



Gradually spaced lines horizontal

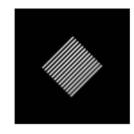
PAT-AG03-EM1-E1

This pattern consists of pairs of 50 µm-long lines whose spacing gradually increases, from 100 nm to 700 nm, with a step of 50 nm. One set of lines is present: horizontal.



Sphere
PAT-AG03-EM1-G1
This pattern consists of three circles with a diameter of 50 µm in different orthogonal planes, featuring the equator and two

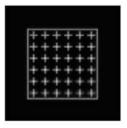
meridians of a sphere.



Gradually spaced lines ascending

PAT-AG03-EM1-E4

This pattern consists of pairs of 50 µm-long lines whose spacing gradually increases, from 100 nm to 700 nm, with a step of 50 nm. One set of lines is present: ascending (+ 45°).



Matrix of crosses

PAT-AG03-EM1-F1

This pattern consists of a matrix of 6×6 crosses, having a length of 5 μm and a step of 8 μm, surrounded by a 50 μm-wide

frame.

The crosses are composed of vertical lines that are in the same plane, and by horizontal lines, going gradually deeper within the glass.

The spacing between the vertical and horizontal lines gradually increases, from 0.1  $\mu$ m to 3.6  $\mu$ m, with a step of 0.1  $\mu$ m.



Gradually spaced lines vertical

PAT-AG03-EM1-E2

This pattern consists of pairs of 50 µm-long lines whose spacing gradually increases, from 100 nm to 700 nm, with a step of 50 nm. One set of lines is present: vertical.



Word ARGOLIGHT

PAT-AG03-EM1-J1
This pattern consists of the
letters forming the company
name "Argolight", and
surrounded by a 220 µm × 50 µm

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  $^{\circ}$ C)and under normal relative humidity(20-70  $^{\circ}$ 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)

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