**Technical Description**

Atto surface is a miniature, display orientated LED spotlight that comes as standard in white, black and brushed aluminium finishes. It has four site changeable optics for flexible distribution. The narrow spot beam in our 1W 102lm module has a peak intensity of 794cd. The Atto has 360 degree bearing aided rotation and 180 degree constant torque tilt mechanism, both lockable. There are 3 mounting methods, from the front using screws or from the rear using the M10 threaded stud - this can be factory removed as a custom order if it restricts installation.

**Mechanical & Electrical**

- **Category**: Interior use only IP20
- **Material**: Aluminium | Brass
- **Lockable**: Pan & Tilt
- **Gear Type**: Dimmable available

**Optical**

- **System Power**: 1W
- **Module Output**: 102lm
- **Absolute Output**: 94lm
- **Colour Temperature**: 3000K*
- **CRI**: 95 TYP
- **Beam Angle**: 16°

**Finishes**

- Brushed Aluminium | Black | White | Brass | Custom*
- *Please enquire as to the availability of non-standard Finishes

**Systems**

- **Systems**: Fixed monopoint
- **Weight**: 16g
- **Forward Voltage**: 3V
- **Current**: 350mA

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**For 3000K Substitute XX with 30**

**For 3700K Substitute XX with 27**

*All Brass and Bronze finishes are made to order and subject to MOQ & extended lead time
Technical Description

Atto surface is a miniature, display orientated LED spotlight that comes as standard in white, black and brushed aluminium finishes. It has four site changeable optics for flexible distribution. The medium beam in our 1W 102lm module has a peak intensity of 359cd. The Atto has 360 degree bearing aided rotation and 180 degree constant torque tilt mechanism, both lockable. There are 2 mounting methods, from the front using screws or from the rear using the M10 threaded stud - this can be factory removed as a custom order if it restricts installation.

Mechanical & Electrical

** Category Interior use only only IP20
** Material Aluminium I Brass
** Lockable Pan & Tilt
** Accessories Snoots

Systems Fixed monopoint
Weight 16g
Forward Voltage 3V
Current 350mA

Finishes

* Please enquire as to the availability of non-standard Finishes

Optical

System Power 1W
Module Output 102lm
Absolute Output 99lm
Gear Type Dimmable available

Colour Temperature 3000K*
CRI 95 TYP
TM-30 RF: 93 RG: 99
Beam Angle 23º

** Photometry shown is correct for 3000K module. Please enquire for 2700K module output.

Brushed Aluminium | Black | White | Brass | Custom*

For 3000K Substitute XX with 30
For 2700K Substitute XX with 27

*All Brass and Bronze finishes are made to order and subject to MOQ & extended lead time
**Technical Description**

Atto surface is a miniature, display orientated LED spotlight that comes as standard in white, black and brushed aluminium finishes. It has four site changeable optics for flexible distribution. The flood beam in our 1W 102lm module has a peak intensity of 109cd. The Atto has 360 degree bearing aided rotation and 180 degree constant torque tilt mechanism, both lockable. There are 2 mounting methods, from the front using screws or from the rear using the M10 threaded stud - this can be factory removed as a custom order if it restricts installation.

**Mechanical & Electrical**

<table>
<thead>
<tr>
<th>Category</th>
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<tr>
<td>Systems</td>
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<td>Lockable</td>
<td>Pan &amp; Tilt</td>
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<td>Gear Type</td>
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<td>Forward Voltage</td>
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<td>Current</td>
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**Optical**

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<td>TM-30 RF:</td>
<td>93 RG: 99</td>
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<td>Beam Angle</td>
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</tr>
</tbody>
</table>

**Finishes**

| Finishes          | Brushed Aluminium | Black | White | Brass | Custom* |

*Please enquire as to the availability of non-standard Finishes

**Photometry shown is correct for 3000K module. Please enquire for 2700K module output.**

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For 3000K Substitute XX with 30

*All Brass and Bronze finishes are made to order and subject to MOQ & extended lead time*
ATTO SURFACE

WIDE FLOOD

Technical Description
Atto surface is a miniature, display orientated LED spotlight that comes as standard in white, black and brushed aluminium finishes. It has four site changeable optics for flexible distribution. The wide flood beam in our 1W 102lm module has a peak intensity of 26cd. The Atto has 360 degree bearing aided rotation and 180 degree constant torque tilt mechanism, both lockable. There are 2 mounting methods, from the front using screws or from the rear using the M10 threaded stud - this can be factory removed as a custom order if it restricts installation.

Mechanical & Electrical
- Category: Interior use only IP20
- Material: Aluminium | Brass
- Lockable: Pan & Tilt
- Accessories: Snoots
- Systems: Fixed monopoint
- Weight: 16g
- Forward Voltage: 3V
- Current: 350mA

Optical
- Colour Temperature: 3000K*
- CRI: 95 TYP
- TM-30 RF: 93 RG: 99
- Beam Angle: 90º

Finishes
- Brushed Aluminium | Black | White | Brass | Custom*

If M10 stud is restricting installation contact us for removal.

**Photometry shown is correct for 3000K module. Please enquire for 2700K module output.