

# Industrial Light Source Range



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## Increased Efficiency



### LED Light Source ILD-3

#### Miniature and portable

Originally designed to fit directly onto the MK Mini-scope this miniature, battery powered LED light source now comes with a host of accessories to increase its versatility. With the use of adaptors it can be fitted to a range of scopes, giving the Series 5 borescopes or fiberscopes a unique portability.

#### ILD-3

Power Supply	3 VDC rechargeable batteries, ILD-C or Accessory Desktop PSU
Dimensions	55 mm long x 30 mm diameter
Weight	65 g without CR123 battery
Run time	1.5 Per interchangeable battery or 8 hours full brightness from the ILD-C
Colour Temperature	6350 K
LED Lifetime	94.1% 6,000 hours



### LED Light Source ILD-2

#### Bright and low powered

Directly competing with the high power halogen units in terms of brightness, but only using a fraction of the power - this light source provides a freedom of portability that only LED technology can offer. Coupled with the comprehensive range of scope adaptors available, this light source is the most versatile we have ever made.

#### ILD-2

Power Supply	ILD-C or Accessory Desktop PSU
Dimensions	81 mm long x 38 mm diameter
Weight	108 g
Run time	2.5 hours at full brightness from the ILD-C
Colour Temperature	5500 K
LED Lifetime	90% 65,000 hours

### ILD-C Control unit

#### Battery control unit

The ILD-C runs the ILD-2 or ILD-3 at their peak current, ensuring their brightest and safest performance, with no drop off over time. It also offers brightness control and prolonged run time from its rechargeable internal battery, negating the need for external power and providing a completely portable light source. A belt clip and ILD-2 holster are available as accessories converting the ILD-C into a conventional light source for use with fiberscopes and lightguides. The supplied desktop power supply will charge the ILD-C at the same time as running the attached ILD-2 or ILD-3, offering continuous use.



#### ILD-C

Voltage	9 to 19 VDC
Power Consumption	38 W Max when charging
Dimensions	130 W x 90 H x 38 D mm
Weight	650 g

## Borescope Light Guide Selection Table



	3 mm MK Liquid	3 mm Liquid	5 mm Liquid	5.5 mm Fiber
Small Diameter Borescope	✓	•	Δ	Δ
MK Mini-Modular	✓	•	Δ	Δ
Series 5 - 4 mm	•	✓	Δ	Δ
Series 5 - 5.5 mm	•	✓	•	•
Series 5 - 6 mm	•	•	✓	•
Series 5 - 8 mm	•	•	✓	•
Series 5 - 10 mm	•	•	✓	•

✓ = Optimum Brightness Option

• = Compatible

Δ = Not Recommended

### 3 mm MK Liquid

Standard lengths\*  
1.8 m  
2.5 m  
5.0 m



### 3 mm Liquid

Standard lengths\*  
1.8 m  
2.5 m



### 5 mm Liquid

Standard lengths\*  
1.8 m  
2.5 m



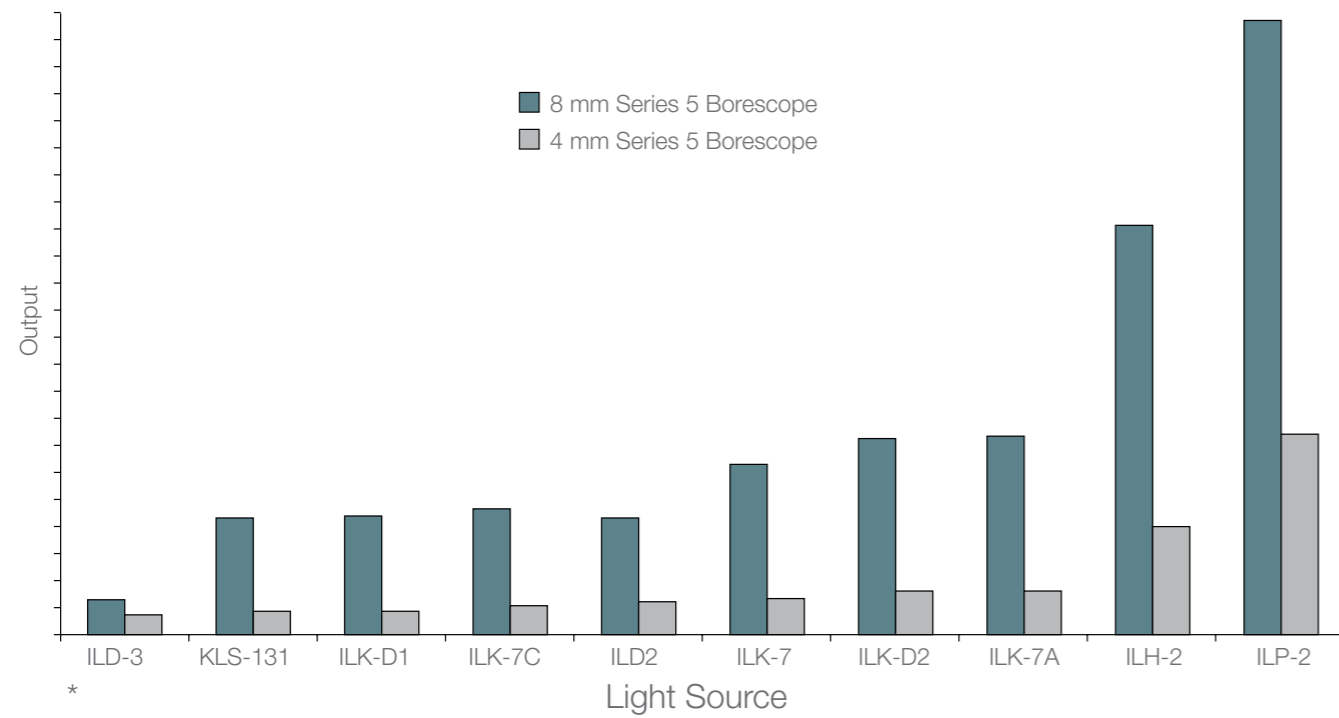
### 5.5 mm Fiber

Standard lengths\*  
1.0 m  
2.0 m  
3.0 m  
5.0 m



\* other lengths available on request

## Light Source Brightness Comparison Series 5 Borescopes



## Increased Brightness

### UHP High Intensity Light Source ILP-2

#### Bright and dual powered

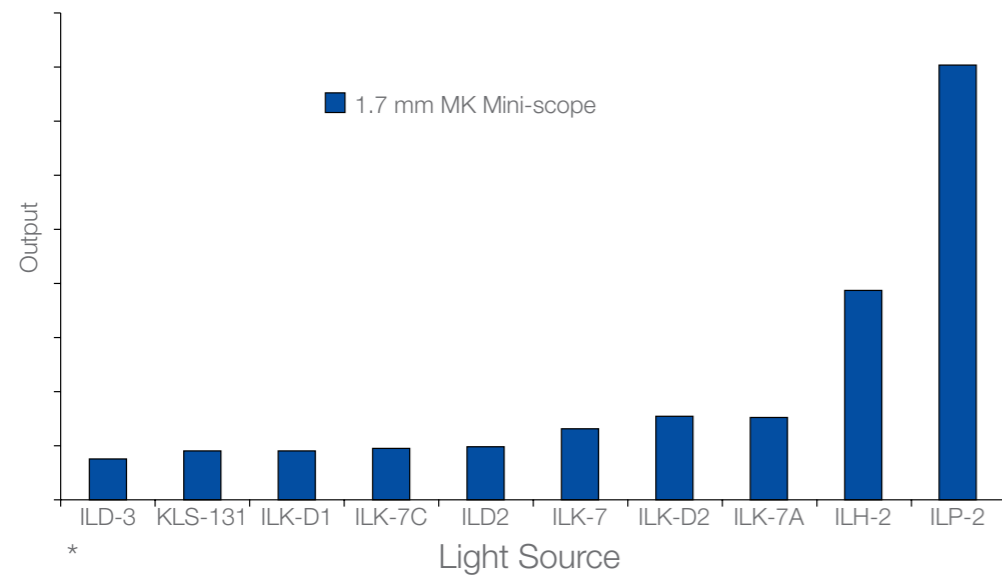
The ILP-2 light source has been specifically designed for large void inspections. Incorporating the latest 75 W UHP lamp technology it is now the brightest light source ever produced by Olympus Industrial. The ILP-2 also lends itself to *i-SPEED* camera range use, as it has a non-strobing DC lamp, dual input for mains or battery power and has a 'Large Light Guide' accessory tray option for either 16 mm Borescope or an *i-SPEED* 8 mm light guide.



#### ILP-2

Voltage	100-240 VAC or 10-15 VDC
Power Consumption	100 W
Dimensions	166 W x 109 H x 261 D mm
Weight	2.9 kg
Colour Temperature	8200 K

## Light Source Brightness Comparison MK Mini-scope



### Metal Halide High Intensity Light Source ILH-2A/ILH-2B

#### Bright and compact

With three times the intensity of its predecessor, this 50 W high-output light source is ideal for observing large spaces. Two available options provide operation from either mains with the ILH-2A or DC/battery with ILH-2B. Both have 12 VDC 2 A outputs so the ILH-2 can be used to power other equipment such as cameras or an *iSAVE*. An accessory tray is also available for 16 mm borescope or *i-SPEED* 8 mm light guide use.



	ILH-2A	ILH-2B
Voltage	100-240 VAC or 10-15 VDC	12 VDC
Power Consumption	100 W	100 W
Dimensions	173 W x 85 H x 235 D mm	173 W x 85 H x 235 D mm
Weight	3.0 kg	3.0 kg
Colour Temperature	8000 K	8000 K

\* Brightness comparison measurements taken at the tip of the scopes

## Increased Robustness

### Long-life Halogen Light Source ILK-7C

(This item is not available in all areas)

#### Increased environmental protection

Refined for higher levels of environmental resistance and long life, this version is most suitable for production lines.

When voltage in your country is NOT 100-120 V, a voltage transformer is required to provide optimal voltage that accommodates the specification of the optical device.



#### ILK-7C

Voltage	100-120 VAC
Power Consumption	190 W
Dimensions	178 W x 76 H x 230 D mm
Weight	2.3 kg
Colour Temperature	3550 K

#### Significantly longer life

The life of this light source has been dramatically extended to an average 500 hours when 15 V 150 W lamps are used.

#### Improved environmental resistance

The circuit board is insulated with an encapsulating material that reduces the possibility of short-circuiting and improves atmospheric-resistance at the site.

### Halogen Light Source ILK-7/7B/7A

(Some items not available in all areas)

The ILK-7 range of light sources incorporates a 150 W tungsten-halogen lamp offering features necessary to meet most industrial needs. The ILK-7A offers mains and battery operation.



	ILK-7	ILK-7B	ILK-7A
Voltage	100-120 VAC 115 VAC 400 Hz	100-240 VAC 115 VAC 400 Hz	100-240 VAC 115 VAC 400 Hz 11-15 VDC
Power Consumption	190 W	190 W	190 W
Dimensions	178 W x 76 H x 230 D mm	178 W x 76 H x 230 D mm	178 W x 76 H x 230 D mm
Weight	2.3 kg	2.3 kg	2.3 kg
Colour Temperature	3550 K	3550 K	3550 K

## Increased Portability

### Halogen Light Source ILK-D1

(This item is not available in all areas)

The ILK-D1 portable light source has been specifically designed for use with a battery belt, being operated from a 12 V supply. The light source has a large spring clip to enable it to be mounted on a belt or jacket pocket and is the smallest Halogen Light source Olympus makes. The 75 W tungsten-halogen lamp is remarkably bright for its power.



#### ILK-D1

Voltage	12 VDC
Power Consumption	80 W
Dimensions	80 W x 60 H x 140 D mm
Weight	0.6 kg
Colour Temperature	3500 K

### Halogen Light Source ILK-D2

(This item is not available in all areas)

The ILK-D2 is a compact, portable light source powered from 12 V DC supply. It can be mounted on a belt using a spring clip. A desktop version of the ILK-D1, the ILK-D2 has a more powerful 100 W lamp and is still battery compatible.



#### ILK-D2

Voltage	12 VDC
Power Consumption	105 W
Dimensions	147 W x 75 H x 168 D mm
Weight	1.0 kg
Colour Temperature	3350 K

### Halogen Light Source KLS-131

The KLS-131 can be used as a stand alone light source or as part of the Modular Borescope System with interchangeable borescope tips. It is available with either an XLR connector or crocodile clips for car battery use. Using a high brightness 75 W lamp, the KLS-131 gives high power for a small, light and economic unit.



#### KLS-131

Voltage	12 VDC
Power Consumption	80 W
Dimensions	137 W x 53 H mm
Weight	0.6 kg
Colour Temperature	3500 K