



# The Keeler Slit Lamp

Exceeding performance expectations

**Keeler**  
— A world without vision loss —

# Keeler Slit Lamps

The Keeler Slit Lamp facilitates an examination of the anterior segment, or frontal structures and posterior segment, of the human eye, which includes the eyelid, sclera, conjunctiva, iris, natural crystalline lens and cornea.

The binocular Slit Lamp provides stereoscopic magnified view of the eye structures in detail, enabling anatomical diagnoses to be made for a variety of eye conditions.

## Key features

- With over 100 years of industry experience, Keeler has become a household name among optometrists and ophthalmologists worldwide
- The wide range of diagnostic devices from Keeler are used by ophthalmology students and veteran doctors alike, often for the entire duration of their careers
- Extensive market presence, optics expertise, and the trusted Keeler brand drives Keeler to create innovative products that become essential additions to the everyday examination
- The H series tower illumination (KSL-H) and Z series lower illumination (KSL-Z) Slit Lamps from Keeler offer a quality build and great value Slit Lamps, backed by the Keeler optics heritage
- 3 or 5 step magnification (10x, 16x, 25x) or (6x, 10x, 16x, 25x, 40x)
- Our LED has been carefully selected for its performance, with a colour temperature of 3,800k, and a truly homogeneous light patch. Typically, a Keeler LED will provide 10,000 or more hours of life
- Filters - Clear, red free, neutral density, diffuser, blue filter permanently installed
- British built

# Exceeding performance expectations



KSL-H Digital Slit Lamp

## KSL-Z Lower Illumination ▶

Available in Traditional, Digital and Digital Ready and with a 3 or 5 step magnification.



## KSL-H

### ◀ Tower Illumination

Available in Traditional, Digital and Digital Ready and with a 3 or 5 step magnification.



KSL-Z Traditional Slit Lamp



World Class Keeler Optics

## KSL Overview

### World Class Keeler Optics

Keeler is renowned for market-leading optics and has been dedicated to optical design and manufacture for over 100 years. Experience has allowed Keeler to develop some of the best optics on the market, resulting in striking clarity and precision with the KSL optical performance.

Between our Traditional, Digital, and Digital Ready versions of our KSL-H and KSL-Z series Slit Lamps, along with our Keeler Approved accessories and add-ons, we can create the perfect solution to fit your clinical needs.

### A Century of Reliability

We understand how important the Slit Lamp is to your practice. You rely on it to provide accurate diagnostic and examination results day in and day out, so failure is simply not an option.

With a Keeler Slit Lamp, you can rest assured that our exceptional attention to detail will ensure optimum performance and reliability time after time, and with our manufacturing on-site, our technical assistance and service teams are easily accessible for any support you require.

# KSL-H Tower Illumination

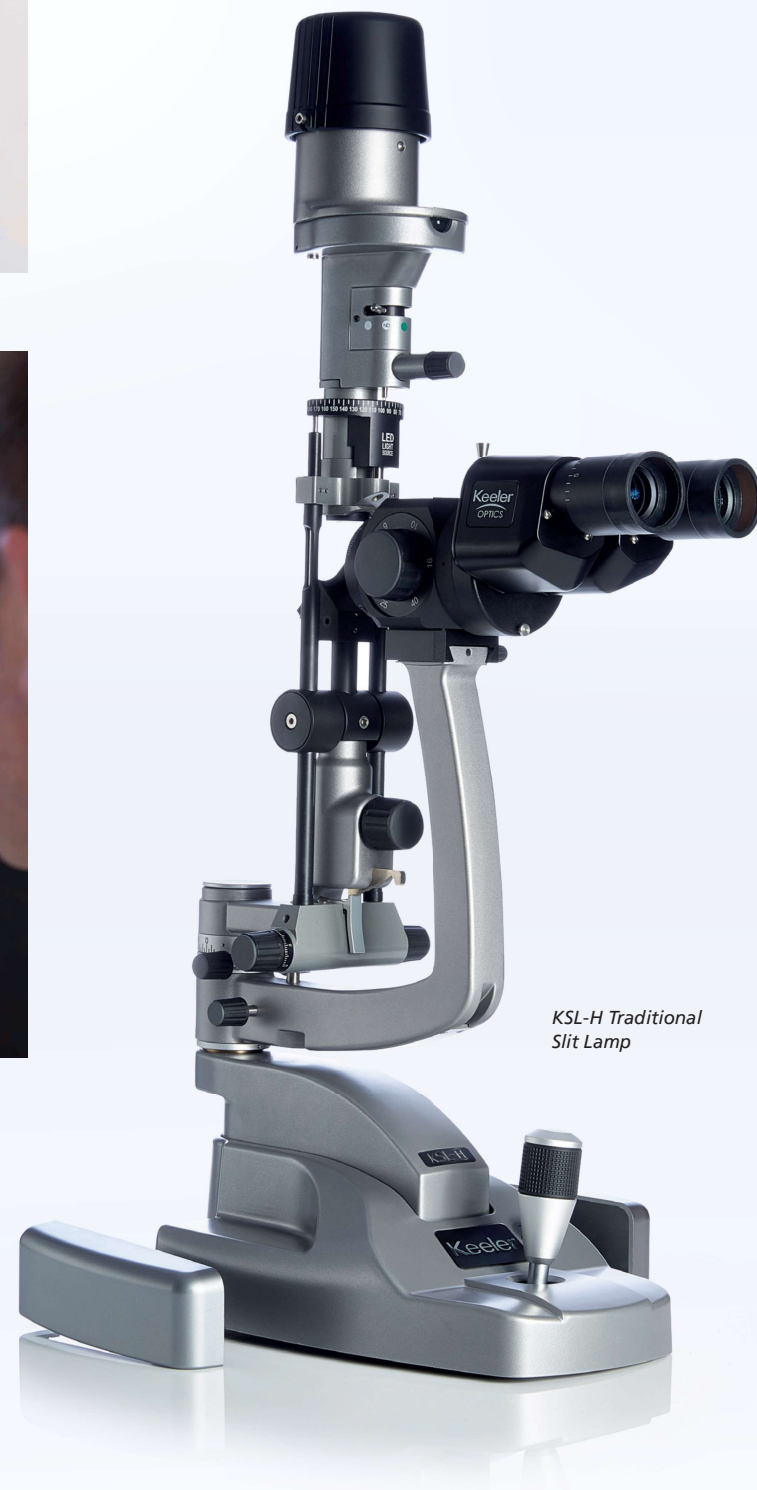
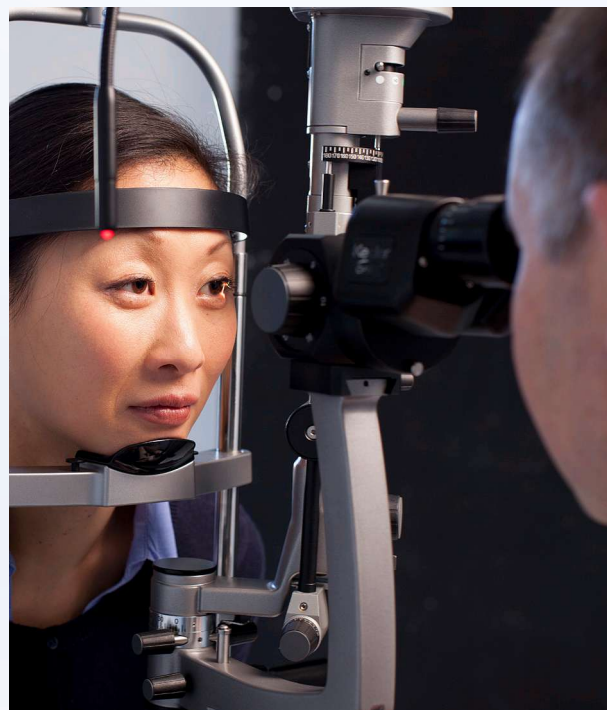
## Traditional Slit Lamps

### KSL-H3

Tower Illumination 3 step magnification (10x, 16x, 25x)

### KSL-H5

Tower Illumination 5 step magnification (6x, 10x, 16x, 25x, 40x)



KSL-H Traditional Slit Lamp

## Digital Slit Lamps

### KSL-H3-D

Tower Illumination 3 step magnification

(10x, 16x, 25x)

Digital Slit Lamp 3 megapixel: 2056 x 1542 USB 3 camera

Kapture software

### KSL-H5-D

Tower Illumination 5 step magnification (6x, 10x, 16x, 25x, 40x)

Digital Slit Lamp 3 megapixel: 2056 x 1542 USB 3 camera

Kapture software



KSL-H Digital Slit Lamp

## Digital Ready Slit Lamps

### KSL-H3-DR

Digital Ready Slit Lamp

Tower Illumination 3 step magnification (10x, 16x, 25x)

### KSL-H5-DR

Digital Ready Slit Lamp

Tower Illumination 5 step magnification (6x, 10x, 16x, 25x, 40x)

Available add-ons: digital camera, Kapture software



KSL-H Digital Slit Lamp

## Get more out of your Digital Slit Lamp

The KSL Digital and Digital Ready Slit Lamps come with many additional features outside the scope of the traditional Slit Lamp.

As well as benefiting from a selection of integrated cameras and beam splitters (optional for the Digital Ready version), additional features include a background illuminator, auxiliary diffuser, blue filter, and control buttons on the Slit Lamp base for the camera and review control.

Manage the camera exposure and Slit Lamp illumination from the base mounted buttons, and capture the perfect image using the joystick camera trigger for still images or videos, depending on the software package purchased.

External illumination can be controlled independently of the main illumination to ensure image contrast levels are optimised.

# KSL-Z Lower Illumination

The Z series Keeler Slit Lamps share all the great qualities and features of the K series but with lower illumination.

## Traditional Slit Lamps

### KSL-Z3

Lower Illumination 3 step magnification (10x, 16x, 25x)

### KSL-Z5

Lower Illumination 5 step magnification (6x, 10x, 16x, 25x, 40x)



KSL-Z Traditional Slit Lamp



## Digital Slit Lamps

### KSL-Z3-D

Lower Illumination 3 step magnification (10x, 16x, 25x)  
Digital Slit Lamp 3 megapixel: 2056 x 1542 USB 3 camera  
Kapture software

### KSL-Z5-D

Lower Illumination 5 step magnification (6x, 10x, 16x, 25x, 40x)  
Digital Slit Lamp 3 megapixel: 2056 x 1542 USB 3 camera  
Kapture software



KSL-Z Digital Ready Slit Lamp with camera attachment



KSL-Z Digital Slit Lamp

## Digital Ready Slit Lamps

### KSL-Z3-DR

Digital Ready Slit Lamp  
Lower Illumination 3 step magnification (10x, 16x, 25x)

### KSL-Z5-DR

Digital Ready Slit Lamp  
Lower Illumination 5 step magnification (6x, 10x, 16x, 25x, 40x)

Available add-ons: digital camera, Kapture software

# KSL Software and Accessories

## Innovative Software

Keeler has been working hard to find software options that will aid and improve diagnosis and image quality through different image capture programs. Efficiency and ease of use are crucial to keep up with high patient flow, therefore, Keeler has hand-picked software packages to allow users to get the most out of their Slit Lamp.



Kapture Software

## Image Capture Software Options

### Kapture Lite

A more comprehensive stand-alone system including still capture with live preview, video capture, patient database, image processing, crop, import, and export.

### Kapture Digital

Upgrade from Lite to Digital to have network connectivity (essential if you require review station), measuring and multiple image printing and saving.

### Kapture View

Allows patient data and images to be viewed over the network – this requires the Kapture station to be networked.

### Kapture View Plus

Includes file import and measure – the Kapture station must be networked.



## Accessories\*

### TTI Beam Splitter plus Canon SLR Camera

Get crystal clear images using this system combined with our very own Keeler optics.



### 20 Degree Adaptor

20° ocular adaptor which allows a user to use a different working position. The adaptor fits between the optical block and the oculars.



\* Not sold by Keeler



DKAT Digital Tonometer

## Keeler Applanation Tonometers (KAT)

Choose from the T Type (Traditional or Digital), R Type (Traditional or Digital), or Z Type (Digital).

**THE T TYPE** is removable and conveniently fits into a shaped guide plate that, in turn, fits in the test bar locating hole.

**THE R TYPE** is fitted to a mounting post, located on the optics block and can be swung in and out for use, as required.

**THE Z TYPE** is removable and mounted on the top of the drum of the KSL-Z Slit Lamp.



T Type KAT

R Type KAT

Z-KAT  
Z Type Digital



Kapture Software

# KSL-H Tower Illumination Specifications

## KSL-H Optical System

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| TYPE                                | Galilean converging binoculars<br>@ 8° / Galilean 0° parallel           |
| MAGNIFICATION                       | Rotating drum change x6, x10,<br>x16, x25 and x40 / x10, x16<br>and x25 |
| EYEPIECE                            | x12.5                                                                   |
| FIELD OF VIEW                       | 34, 22, 14, 8.5 and 5.5 mm /<br>22, 14 and 8.5mm                        |
| INTERPUPILLARY<br>DISTANCE          | 8° converging eyepieces, 49 – 77mm<br>0° parallel eyepieces, 38 – 85mm  |
| OBJECTIVE LENS FOCAL<br>DISTANCE    | 107mm                                                                   |
| OBJECTIVE LENS<br>CONVERGENCE ANGLE | 13°                                                                     |

## Slit projection system and base

|                               |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| SLIT WIDTH                    | 0-12mm continuously variable                                                        |
| SLIT LENGTH                   | 12mm (1mm – 12mm<br>continuously variable)                                          |
| APERTURE DIAMETERS            | 0.2, 1mm square, 2, 3, 5, 9 and<br>12mm                                             |
| FILTERS                       | Clear, red free, neutral density,<br>diffuser, blue filter permanently<br>installed |
| SLIT ANGLE                    | +/- 90° continuous                                                                  |
| SLIT ROTATION                 | +/- 180° with reference scale                                                       |
| SLIT VERTICAL TILT            | 0°, 5°, 10°, 15° and 20°                                                            |
| BASE TRAVEL                   | 25mm Z-axis, 107mm X-axis,<br>110mm Y-axis                                          |
| HORIZONTAL FINE<br>ADJUSTMENT | 12mm                                                                                |
| TABLE TOP DIMENSIONS          | 405 x 500mm                                                                         |
| FIXATION LAMP                 | LED                                                                                 |
| LIGHT SOURCE                  | LED                                                                                 |
| LED OUTPUT POWER              | 160k Lux                                                                            |

## Weight and dimensions packed (approx.)

|                    |                                  |
|--------------------|----------------------------------|
| SLIT LAMP COMPLETE | 20.0Kg, 75 x 54 x 45cm W x D x H |
|--------------------|----------------------------------|

## Protection against Ingress

IPxO

## Class II ME Equipment

Insulation between mains parts and the functional earth provide at least two means of protection

## Power supply

|                     |                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|
| POWER SUPPLY UNIT   | Switch mode, (110V – 240V input)<br>10% multi plug compliant to<br>EN/IEC 60601-1 EN/IEC 61000-6-2,<br>EN/IEC 61000-6-3 |
| FUSE                | T2.5AH, 250V                                                                                                            |
| POWER SUPPLY OUTPUT | 12V DC: 2.5 amps<br>EN/IEC 60601 compliant                                                                              |
| COMPLIES WITH       | Electrical Safety (Medical)<br>EN/IEC 60601-1                                                                           |
|                     | Electromagnetic compatibility<br>EN/IEC 60601-1-2                                                                       |
|                     | Ophthalmic instruments -<br>Fundamental requirements and<br>test methods ISO 15004-1                                    |
|                     | Ophthalmic instruments -<br>Optical radiation hazard<br>ISO 15004-2                                                     |

## Environmental

|             |           |                     |
|-------------|-----------|---------------------|
| TEMPERATURE | Operation | +10°C to +35°C      |
|             | Storage   | -10°C to +55°C      |
|             | Transport | -40°C to +50°C      |
| HUMIDITY    | Operation | 30% to 90%          |
|             | Storage   | 10% to 95%          |
|             | Transport | 10% to 95%          |
| PRESSURE    | Operation | 800 hpa to 1060 hpa |
|             | Storage   | 700 hpa to 1060 hpa |
|             | Transport | 500 hpa to 1060 hpa |

## Electrical Information (KSL-H and KSL-Z)

The Keeler Slit Lamp is a medical electrical instrument. The instrument requires special care concerning electromagnetic compatibility (EMC). It consists of 5 assemblies; Illumination Tower; Observation System; XYZ Translation Base; Chinrest Assembly and a Table Top with Power Supply and Accessory Drawer.

The light intensity is controlled by a variable rheostat located on the XYZ Translation Base. There are a number of selectable filters allowing the user to control the characteristics of the examination light.

## Classification (KSL-H and KSL-Z)

*The Keeler Slit Lamp is designed and built in conformity with EC Directive 93/42/EEC and the ISO 9000 and ISO 13485 series of quality standards. The ‘CE’ (European Community) mark attests that the Keeler Slit Lamp complies with the provisions of the EC Directive 93/42/EEC.*

*Classification: CE Regulation 93/42 EEC: Class I. FDA: Class II, EN/IEC Standard 60601-1: H-series - Safety Class II. Application part: Type B. Operation mode: continuous operation.*

# KSL-Z Lower Illumination Specifications

## KSL-Z Optical System

|                                     |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| BINOCULARS TYPE                     | Galilean 8° converging I Galilean<br>0° parallel                       |
| MAGNIFICATION                       | Drum change<br>x6, x10, x16, x25 and x40 /<br>x10, x16 and x25         |
| EYEPIECE                            | x12.5                                                                  |
| FIELD OF VIEW                       | 34, 22, 14, 8.5 and 5.5 mm /<br>22, 14 and 8.5mm                       |
| INTERPUPILLARY<br>DISTANCE          | 8° converging eyepieces, 49 – 77mm<br>0° parallel eyepieces, 38 – 85mm |
| OBJECTIVE LENS FOCAL<br>DISTANCE    | 107mm                                                                  |
| OBJECTIVE LENS<br>CONVERGENCE ANGLE | 13°                                                                    |

## Slit projection system and base

|                               |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| SLIT WIDTH                    | 0 – 14mm continuously variable                                                      |
| SLIT LENGTH                   | 14mm                                                                                |
| APERTURE DIAMETERS            | 0.2, 1mm square, 2, 3, 5, 9, 14<br>and reserved                                     |
| FILTERS                       | Clear, red free, neutral density,<br>diffuser, blue filter permanently<br>installed |
| SLIT ROTATION                 | 360° continuous, detents at 0°<br>and 180°                                          |
| BASE TRAVEL                   | 25mm Z-axis, 107mm X-axis,<br>110mm Y axis                                          |
| HORIZONTAL FINE<br>ADJUSTMENT | 12mm                                                                                |
| TABLE TOP DIMENSIONS          | 405 x 500mm                                                                         |
| FIXATION LAMP                 | LED                                                                                 |
| LIGHT SOURCE                  | LED                                                                                 |
| LED OUTPUT POWER              | 280k Lux                                                                            |

## Weight and dimensions packed (approx.)

|                    |                                |
|--------------------|--------------------------------|
| SLIT LAMP COMPLETE | 25Kg, 90 x 58 x 45cm W x D x H |
|--------------------|--------------------------------|

## Protection against Ingress

IPxO

## Class II ME Equipment

Insulation between mains parts and the functional earth provide at least two means of protection

## Power supply

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| POWER SUPPLY UNIT   | Switch mode, (100V-240V input)<br>10% multi plug compliant to<br>EN/IEC 60601-1 EN/IEC 61000-6-2,<br>EN/IEC 61000-6-3 |
| FUSE                | T2.5AH, 250V                                                                                                          |
| POWER SUPPLY OUTPUT | 12V DC: 2.5 amps<br>EN/IEC 60601 compliant                                                                            |
| COMPLIES WITH       | Electrical Safety (Medical)<br>EN/IEC 60601-1                                                                         |
|                     | Electromagnetic compatibility<br>EN/IEC 60601-1-2                                                                     |
|                     | Ophthalmic instruments -<br>Fundamental requirements and<br>test methods ISO 15004-1                                  |
|                     | Ophthalmic instruments - Optical<br>radiation hazard ISO 15004-2                                                      |

## Environmental

|             |           |                     |
|-------------|-----------|---------------------|
| TEMPERATURE | Operation | +10°C to +35°C      |
|             | Storage   | -10°C to +55°C      |
|             | Transport | -40°C to +50°C      |
| HUMIDITY    | Operation | 30% to 90%          |
|             | Storage   | 10% to 95%          |
|             | Transport | 10% to 95%          |
| PRESSURE    | Operation | 800 hpa to 1060 hpa |
|             | Storage   | 700 hpa to 1060 hpa |
|             | Transport | 500 hpa to 1060 hpa |

## KSL-H and KSL-Z

## Fuse ratings and quantity (KSL-H and KSL-Z)

|  |                                                                                                                                      |
|--|--------------------------------------------------------------------------------------------------------------------------------------|
|  | 2.5 amp anti-surge<br>Fuse current 2.5A<br>Voltage rating V AC 250V<br>Breaking capacity 1500Amps<br>Blow characteristic: Time Delay |
|--|--------------------------------------------------------------------------------------------------------------------------------------|

## Applied parts (KSL-H and KSL-Z)

|  |                                           |
|--|-------------------------------------------|
|  | Chinrest<br>Forehead rest<br>Grab handles |
|--|-------------------------------------------|

## Power supply (KSL-H and KSL-Z)

*When the Slit Lamp is connected to the power supply together the constitute a Medical Electrical System as defined in EN/IEC 60601-1:2006. The power supply forms a part of ME equipment.*

# What's in the box?

## KSL-H3 Traditional Slit Lamps 3 step magnification

**3020-P-2089**  
**KSL-H3 SILVER-GREY**  
**WITH STAND**

- KSL-H3 Traditional Slit Lamp
- Refraction Stand Chinrest Assembly
- Refraction Stand Accessory Kit
- Breath Shield

**3020-P-2090**  
**KSL-H3 SILVER-GREY**  
**WITH TABLE TOP**

- KSL-H3 Traditional Slit Lamp
- Table Top Assembly
- Chinrest Assembly
- Table Top Accessory Kit
- Breath Shield

**3020-P-2139**  
**KSL-H3 SILVER-GREY**  
**PLATE MOUNT**

- KSL-H3 Traditional Slit Lamp
- Refraction Stand Accessory Kit
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Plate System Chinrest Assembly
- Breath Shield

## KSL-H3-D Digital Slit Lamp 3 step magnification

**3020-P-2093**  
**KSL-H3-D SILVER-GREY**  
**WITH TABLE TOP**

- KSL-H3-D Digital Slit Lamp
- Digital Camera Assembly
- Digital LED TT Accessory Kit
- Chinrest Assembly
- Digital Table Assembly
- Breath Shield

## KSL-H3-DR Digital Ready 3 step magnification

**3020-P-2095**  
**KSL-H3-DR**  
**SILVER-GREY**  
**WITH STAND**

- KSL-H3-DR Digital Ready Slit Lamp
- Digital LED Ref Accessory Kit
- Refraction Stand Chinrest Assembly
- Digital Ready IFU Supplement
- Breath Shield

## KSL-H5 Traditional Slit Lamps 5 step magnification

**3020-P-2006**  
**KSL-H5 SILVER-GREY**  
**WITH STAND**

- KSL-H5 Traditional Slit Lamp
- Refraction Stand Chinrest Assembly
- Refraction Stand Accessory Kit
- Breath Shield

**3020-P-2007**  
**KSL-H5 SILVER-GREY**  
**WITH TABLE TOP**

- KSL-H5 Traditional Slit Lamp
- Table Top Assembly
- Chinrest Assembly
- Table Top Accessory Kit
- Breath Shield

**3020-P-2081**  
**KSL-H5 SILVER-GREY**  
**PLATE MOUNT**

- KSL-H5 Traditional Slit Lamp
- Refraction Stand Accessory Kit
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Plate System Chinrest Assembly
- Breath Shield

# KSL-H Tower Illumination

## KSL-H5-D Digital Slit Lamps 5 step magnification

**3020-P-2009**  
**KSL-H5-D SILVER-GREY**  
**WITH STAND**

- KSL-H5-D Digital Slit Lamp
- Digital Camera Assembly
- Digital LED Ref Accessory Kit
- Refraction Stand Chinrest Assembly
- Breath Shield

**3020-P-2010**  
**KSL-H5-D SILVER-GREY**  
**WITH TABLE TOP**

- KSL-H5-D Digital Slit Lamp
- Digital Camera Assembly
- Digital LED TT Accessory Kit
- Chinrest Assembly
- LED Digital Table Assembly
- Breath Shield

**3020-P-2082**  
**KSL-H5-D SILVER-GREY**  
**PLATE MOUNT**

- KSL-H5-D Digital Slit Lamp
- Digital Camera Assembly
- Digital LED Ref Accessory Kit
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Plate System Chinrest Assembly
- Breath Shield

**3020-P-2112**  
**KSL-H5-D WHITE**  
**PARALLEL BINOCULAR**  
**WITH STAND**

- KSL-H5-D Digital Slit Lamp
- Digital Camera Assembly
- Chinrest Assembly Ref Stand
- Digital LED Ref Accessory Kit
- Breath Shield

## KSL-H5-DR Digital Ready 5 step magnification

**3020-P-2019**  
**KSL-H5-DR**  
**SILVER-GREY**  
**WITH STAND**

- KSL-H5-DR Digital Ready Slit Lamp
- Digital LED Ref Accessory Kit
- Refraction Stand Chinrest Assembly
- Digital Ready IFU Supplement
- Breath Shield

**3020-P-2020**  
**KSL-H5-DR**  
**SILVER-GREY**  
**WITH TABLE TOP**

- KSL-H5-DR Digital Ready Slit Lamp
- Digital LED TT Accessory Kit
- Chinrest Assembly
- LED Digital Table Assembly
- Digital Ready IFU Supplement
- Breath Shield

**3020-P-2083**  
**KSL-H5-DR**  
**SILVER-GREY**  
**PLATE MOUNT**

- KSL-H5-DR Digital Ready Slit Lamp
- Digital LED Ref Accessory Kit
- Digital Ready IFU Supplement
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Plate System Chinrest Assembly
- Breath Shield

# What's in the box?

## KSL-Z3 Traditional Slit Lamps 3 step magnification

**3020-P-2023**  
**KSL-Z3 SILVER-GREY**  
**PARALLEL BINOCULAR**  
**WITH STAND**

- KSL-Z3 Traditional Slit Lamp
- Refraction Stand Chinrest Assembly
- Ref Stand Accessory Kit
- Breath Shield

**3020-P-2041**  
**KSL-Z3 SILVER-GREY**  
**WITH STAND**

- KSL-Z3 Traditional Slit Lamp
- Refraction Stand Chinrest Assembly
- Ref Stand Accessory Kit
- Breath Shield

**3020-P-2042**  
**KSL-Z3 SILVER-GREY**  
**WITH TABLE TOP**

- KSL-Z3 Traditional Slit Lamp
- Refraction Stand Chinrest Assembly
- Table top Assembly kit
- Table Top Assembly
- Breath Shield

**3020-P-2142**  
**KSL-Z3 SILVER-GREY**  
**PLATE MOUNT**

- KSL-Z3 Traditional Slit Lamp
- Ref Stand Accessory Kit
- Chinrest Assembly - Plate System
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Breath Shield

## KSL-Z3-D Digital Slit Lamp 3 step magnification

**3020-P-2045**  
**KSL-Z3-D SILVER-GREY**  
**WITH TABLE TOP**

- KSL-Z3-D Digital Slit Lamp
- Refraction Stand Chinrest Assembly
- Table Top Assembly Kit
- Digital LED Table Assembly
- Digital Camera Assembly
- Breath Shield

## KSL-Z5 Traditional Slit Lamps 5 step magnification

**3020-P-2050**  
**KSL-Z5 SILVER-GREY**  
**WITH STAND**

- KSL-Z5 Traditional Slit Lamp
- Refraction Stand Chinrest Assembly
- Ref Stand Accessory Kit
- Breath Shield

**3020-P-2051**  
**KSL-Z5 SILVER-GREY**  
**WITH TABLE TOP**

- KSL-Z5 Traditional Slit Lamp
- Refraction Stand Chinrest Assembly
- Table Top Assembly Kit
- Table Top Assembly
- Breath Shield

**3020-P-2079**  
**KSL-Z5 WHITE**  
**WITH STAND**

- KSL-Z5 Traditional Slit Lamp
- Chinrest Assembly-Ref Stand
- Refraction Std Accessory Kit
- Breath Shield

**3020-P-2080**  
**KSL-Z5 WHITE**  
**WITH TABLE TOP**

- KSL-Z5 Traditional Slit Lamp
- Table Top Assembly
- Chinrest Assembly - Ref Stand
- Table Top Accessory Kit
- Breath Shield

**3020-P-2084**  
**KSL-Z5 SILVER-GREY**  
**PLATE MOUNT**

- KSL-Z5 Traditional Slit Lamp
- Ref Stand Accessory Kit
- Chinrest Assembly - Plate System
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Breath Shield

**3020-P-2121**  
**KSL-Z5 WHITE**  
**PARALLEL BINOCULAR**  
**WITH STAND**

- KSL-Z5 Traditional Slit Lamp
- Chinrest Assembly - Ref Stand
- Refraction Std Accessory Kit
- Breath Shield

# KSL-Z Lower Illumination

## KSL-Z5-D Digital Slit Lamps 5 step magnification

**3020-P-2054**  
**KSL-Z5-D SILVER-GREY**  
**WITH TABLE TOP**

- KSL-Z5-D Digital Slit Lamp
- Refraction Stand Chinrest Assembly
- Digital Table Top Assembly Kit
- Digital Table Assembly
- Digital Camera Assembly
- Breath Shield

**3020-P-2085**  
**KSL-Z5-D SILVER-GREY**  
**PLATE MOUNT**

- KSL-Z5-D Digital Slit Lamp
- Digital Ref Stand Assembly Kit
- Digital Camera Assembly
- Chinrest Assembly - Plate System
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Breath Shield

**3020-P-2108**  
**KSL-Z5-D WHITE**  
**WITH STAND**

- KSL-Z5-D Digital Slit Lamp
- Digital Camera Assembly
- Chinrest Assembly - Ref Stand
- Ref Std Accessory Kit
- Breath Shield

**3020-P-2109**  
**KSL-Z5-D WHITE WITH**  
**TABLE TOP**

- KSL-Z5-D Digital Slit Lamp
- LED Digital Table Assembly
- Digital Camera Assembly
- Chinrest Assembly-Ref Stand
- Table Top Accessory Kit
- Breath Shield

**3020-P-2110**  
**KSL-Z5-D WHITE**  
**PARALLEL BINOCULAR**  
**WITH STAND**

- KSL-Z5-D Digital Slit Lamp
- Digital Camera Assembly
- Chinrest Assembly - Ref Stand
- Ref Std Accessory Kit
- Breath Shield

## KSL-Z5-DR Digital Ready 5 step magnification

**3020-P-2057**  
**KSL-Z5-DR**  
**SILVER-GREY**  
**WITH TABLE TOP**

- KSL-Z5-DR Digital Ready Slit Lamp
- Refraction Stand Chinrest Assembly
- Digital Table Top Assembly Kit
- Digital Table Assembly
- Breath Shield

**3020-P-2086**  
**KSL-Z5-DR**  
**SILVER-GREY**  
**PLATE MOUNT**

- KSL-Z5-DR Digital Ready Slit Lamp
- Digital Ref Stand Assembly Kit
- Chinrest Assembly - Plate System
- Mounting Plate Assembly
- Power Supply Assembly Analogue
- Breath Shield

# Part Numbers

| Part Numbers                                                          |                         |                | Slit Lamp Base Options |       |             | Illumination Type | Colour      |
|-----------------------------------------------------------------------|-------------------------|----------------|------------------------|-------|-------------|-------------------|-------------|
| Part Number                                                           | Magnification Unit Spec | Binocular Type | Table Top              | Stand | Plate Mount |                   |             |
| TOWER ILLUMINATION TRADITIONAL SLIT LAMPS - KSL-H3 AND KSL-H5         |                         |                |                        |       |             |                   |             |
| 3020-P-2089                                                           | 3 (KSL-H3)              | Converging     |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2090                                                           | 3 (KSL-H3)              | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2139                                                           | 3 (KSL-H3)              | Converging     |                        |       | ●           | LED               | Silver-grey |
| 3020-P-2006                                                           | 5 (KSL-H5)              | Converging     |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2007                                                           | 5 (KSL-H5)              | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2081                                                           | 5 (KSL-H5)              | Converging     |                        |       | ●           | LED               | Silver-grey |
| TOWER ILLUMINATION DIGITAL SLIT LAMPS - KSL-H3-D AND KSL-H5-D         |                         |                |                        |       |             |                   |             |
| 3020-P-2093                                                           | 3 (KSL-H3-D)            | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2009                                                           | 5 (KSL-H5-D)            | Converging     |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2010                                                           | 5 (KSL-H5-D)            | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2082                                                           | 5 (KSL-H5-D)            | Converging     |                        |       | ●           | LED               | Silver-grey |
| 3020-P-2112                                                           | 5 (KSL-H5-D)            | Parallel       |                        | ●     |             | LED               | White       |
| TOWER ILLUMINATION DIGITAL READY SLIT LAMPS - KSL-H3-DR AND KSL-H5-DR |                         |                |                        |       |             |                   |             |
| 3020-P-2095                                                           | 3 (KSL-H3-DR)           | Converging     |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2019                                                           | 5 (KSL-H5-DR)           | Converging     |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2020                                                           | 5 (KSL-H5-DR)           | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2083                                                           | 5 (KSL-H5-DR)           | Converging     |                        |       | ●           | LED               | Silver-grey |
| LOWER ILLUMINATION TRADITIONAL SLIT LAMPS - KSL-Z3 AND KSL-Z5         |                         |                |                        |       |             |                   |             |
| 3020-P-2023                                                           | 3 (KSL-Z3)              | Parallel       |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2041                                                           | 3 (KSL-Z3)              | Converging     |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2042                                                           | 3 (KSL-Z3)              | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2142                                                           | 3 (KSL-Z3)              | Converging     |                        |       | ●           | LED               | Silver-grey |
| 3020-P-2050                                                           | 5 (KSL-Z5)              | Converging     |                        | ●     |             | LED               | Silver-grey |
| 3020-P-2051                                                           | 5 (KSL-Z5)              | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2079                                                           | 5 (KSL-Z5)              | Converging     |                        | ●     |             | LED               | White       |
| 3020-P-2080                                                           | 5 (KSL-Z5)              | Converging     | ●                      |       |             | LED               | White       |
| 3020-P-2084                                                           | 5 (KSL-Z5)              | Converging     |                        |       | ●           | LED               | Silver-grey |
| 3020-P-2121                                                           | 5 (KSL-Z5)              | Parallel       |                        | ●     |             | LED               | White       |
| LOWER ILLUMINATION DIGITAL SLIT LAMPS - KSL-Z3-D AND KSL-Z5-D         |                         |                |                        |       |             |                   |             |
| 3020-P-2045                                                           | 3 (KSL-Z3-D)            | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2054                                                           | 5 (KSL-Z5-D)            | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2085                                                           | 5 (KSL-Z5-D)            | Converging     |                        |       | ●           | LED               | Silver-grey |
| 3020-P-2108                                                           | 5 (KSL-Z5-D)            | Converging     |                        | ●     |             | LED               | White       |
| 3020-P-2109                                                           | 5 (KSL-Z5-D)            | Converging     | ●                      |       |             | LED               | White       |
| 3020-P-2110                                                           | 5 (KSL-Z5-D)            | Parallel       |                        | ●     |             | LED               | White       |
| LOWER ILLUMINATION DIGITAL READY SLIT LAMPS - KSL-Z5-DR               |                         |                |                        |       |             |                   |             |
| 3020-P-2057                                                           | 5 (KSL-Z5-DR)           | Converging     | ●                      |       |             | LED               | Silver-grey |
| 3020-P-2086                                                           | 5 (KSL-Z5-DR)           | Converging     |                        |       | ●           | LED               | Silver-grey |

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