



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-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.



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

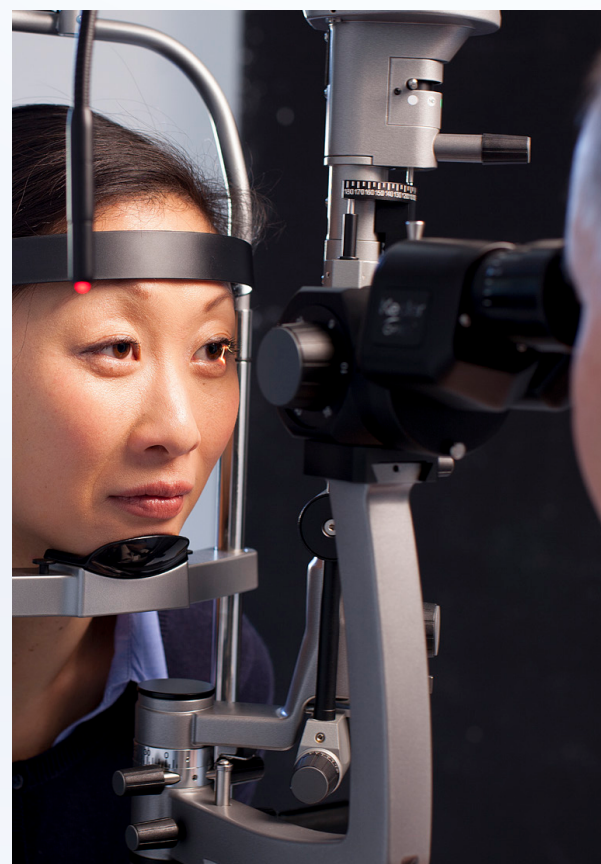
Traditional Slit Lamps

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

Imaging software provides a whole new dimension to eye exams, both for you and your patients. The ability to capture images and videos enables instant exam review and the potential to offer additional services within your clinic. 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.



Keeler Konnect™ Software

Image Capture Software

Keeler Konnect™ software is a simple, affordable imaging solution that provides the tools you need to easily enhance eye examinations.

The intuitive design features an easy-to-use interface, removing unnecessary complexity so that you can focus on providing the best possible service to your patients. The controls are highly intuitive with only the essential components included to make adjustments within the dashboard simple and effective.

Designed for both new software users and those who are more experienced, Keeler Konnect offers a streamlined experience for all.

For more detailed applications, alternative image software is available - Keeler Kapture. Details can be found on our website: www.keeler.co.uk



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

Keeler Konnect™ Software



KSL-H Tower Illumination Specifications

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

Slit projection system and base

SLIT WIDTH	0-12mm continuously variable
SLIT LENGTH	12mm (1mm – 12mm continuously variable)
APERTURE DIAMETERS	0.2, 1mm square, 2, 3, 5, 9 and 12mm
FILTERS	Clear, red free, neutral density, diffuser and blue filter permanently 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, 110mm Y-axis
HORIZONTAL FINE 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
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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) 10% multi plug compliant to EN/IEC 60601-1 EN/IEC 61000-6-2, EN/IEC 61000-6-3
FUSE	T2.5AH, 250V
POWER SUPPLY OUTPUT	12V DC: 2.5 amps EN/IEC 60601 compliant
COMPLIES WITH	Electrical Safety (Medical) EN/IEC 60601-1
	Electromagnetic compatibility EN/IEC 60601-1-2
	Ophthalmic instruments - Fundamental requirements and test methods ISO 15004-1 Ophthalmic instruments - Optical 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

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 0° parallel
MAGNIFICATION	Drum change x6, x10, x16, x25 and x40 / x10, x16 and x25
EYEPIECE	x12.5
FIELD OF VIEW	34, 22, 14, 8.5 and 5.5 mm / 22, 14 and 8.5mm
INTERPUPILLARY DISTANCE	8° converging eyepieces, 49 – 77mm 0° parallel eyepieces, 38 – 85mm
OBJECTIVE LENS FOCAL DISTANCE	107mm
OBJECTIVE LENS 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 and reserved
FILTERS	Clear, red free, neutral density, diffuser and blue filter permanently installed
SLIT ROTATION	360° continuous, detents at 0° and 180°
BASE TRAVEL	25mm Z-axis, 107mm X-axis, 110mm Y axis
HORIZONTAL FINE ADJUSTMENT	12mm
TABLE TOP DIMENSIONS	405 x 500mm
FIXATION LAMP	LED
LIGHT SOURCE	LED
LED OUTPUT POWER	240k Lux (+/-20%)

Weight and dimensions packed (approx.)

SLIT LAMP COMPLETE	25Kg, 90 x 58 x 45cm W x D x H
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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) 10% multi plug compliant to EN/IEC 60601-1 EN/IEC 61000-6-2, EN/IEC 61000-6-3
FUSE	T2.5AH, 250V
POWER SUPPLY OUTPUT	12V DC: 2.5 amps EN/IEC 60601 compliant
COMPLIES WITH	Electrical Safety (Medical) EN/IEC 60601-1
	Electromagnetic compatibility EN/IEC 60601-1-2
	Ophthalmic instruments - Fundamental requirements and test methods ISO 15004-1 Ophthalmic instruments - Optical 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 Fuse current 2.5A Voltage rating V AC 250V Breaking capacity 1500Amps Blow characteristic: Time Delay
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Applied parts (KSL-H and KSL-Z)

	Chinrest Forehead rest Grab handles
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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

More Keeler Instruments

With over 100 years of industry experience, Keeler has become a household name among optometrists and ophthalmologists worldwide.

View our full range at

www.keeler.co.uk | www.keelerusa.com

Got a question? - Call us

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Keeler
— A world without vision loss —



A Halma company

Manufacturing address



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CE 1639

REV-E

**EC Declaration of Conformity to:
Medical Device Directive 93/42/EEC**

Legal Manufacturer:	Keeler Ltd Clewer Hill Road, Windsor, Berkshire SL4 4AA United Kingdom
Manufacturing Site(s):	Keeler Ltd Clewer Hill Road, Windsor, Berkshire SL4 4AA United Kingdom
EU Authorised Representative	Visiometrics, S.L., Vinyals, 131 08821 Terrassa, Spain
Device Description/Family:	Keeler Slit Lamps (See below Product Schedule)
EC Product Classification:	Class I, Annex IX, Rule 12
GMDN:	35148 – Ophthalmic slit lamp, examination A mains electricity (AC-powered), ophthalmic, binocular microscope designed to examine the interior anatomy of the eye (anterior and posterior surfaces) by viewing through the iris. It produces a narrow slit of powerful light which is projected into the eye, and resulting light reflections are detected obliquely with a travelling microscope to enable observation of the internal ocular surfaces. It is used to perform a variety of measurements [e.g., intraocular pressure (IOP) or tonometry, corneal thickness, anterior chamber depth] and to evaluate symptoms (e.g., eye itchiness, grittiness, pain, dry eyes, photophobia, and reduced visual acuity).

We herewith declare, as the sole manufacturer, that the product(s) listed above and detailed in the attached Product Schedule meet the provisions of the Council Directive 93/42/EEC of 14 June 1993 as amended, concerning medical devices.

Applied Directives:	• Medical Device Directive (MDD) - 93/42/EC • Restriction of Hazardous Substance (RoHS)– 2011/65/EU • Waste Electrical and Electronic Equipment (WEEE) Directive – 2012/19/EU
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Applied Standards:	• BS EN ISO 13485:2016 • BS EN ISO 14971:2012 • BS EN ISO 10993-1:2009 • IEC 60601-1:2005+ A1:2012 • IEC 60601-1-2:2014 • IEC 62133:2012 • IEC 62304:2008 • BS EN ISO 10939:2007 • BS EN 60601-1-6:2010 +A1:2015 • IEC 62366-1:2008 • BS EN ISO 15004-1:2009 • BS EN ISO 15004-2:2007 • BS EN ISO 15223-1:2016 • BS EN 1041:2008 + A1:2013 • BS EN ISO 14155:2011 • BS EN 50419:2006 • BS EN 62471:2008
Notified Body:	SGS Belgium NV SGS House, Noorderlaan – 87, Antwerp, 2030 Belgium +32 3 545 44 00 https://www.sgs.be/en/
CE Certificate Number:	Class I Self Certified
Date of Issuance of Original CE Certificate:	N/A

DofC Reference to Tech File: DofC 02

Rev: 15

Signed: 

Arminder Purewal

Date: 19 Jan 2021

Head of Regulatory Affairs
and Quality Assurance,
Keeler Ltd

**Product Schedule:
Keeler Slit Lamps**

Part Number	Device Description	Product Classification
3020-P-2000	SLH 5XC 6V TBL	I
3020-P-2000-001	SLH 5XC BULB - LARGE TABLE	I
3020-P-2001	SLH 5XC 12V Di REF	I
3020-P-2003	SLH 5XC 6V REF	I
3020-P-2003-001	SLH 5XC BULB REF STD - CHINA	I
3020-P-2004	SLH 5XC 12V Di TBL	I
3020-P-2005	SLH 5XC 12V Di TBL LEG	I
3020-P-2006	SLH 5XC LED REF	I
3020-P-2006-001	SLH 5XC LED REF STD - CHINA	I
3020-P-2007	SLH 5XC LED TBL	I
3020-P-2007-001	SLH 5XC LED - LARGE TABLE	I
3020-P-2009	SLH 5XC LED Di REF ST	I
3020-P-2010	SLH 5XC LED Di TBL	I
3020-P-2012	SLH 5XC 6V TBL USA	I
3020-P-2013	SLH 5XC LED TBL USA	I
3020-P-2014	SLH 5XC 12V Di TBL USA	I
3020-P-2015	SLH 5XC LED Di TBL USA	I
3020-P-2016	SLH 5XC 12V DiR REF	I
3020-P-2017	SLH 5XC 12V DiR TBL	I
3020-P-2018	SLH 5XC 12V DiR TBL USA	I
3020-P-2019	SLH 5XC LED DiR REF	I
3020-P-2020	SLH 5XC LED DiR TBL	I
3020-P-2021	SLH 5XC LED DiR TBL USA	I
3020-P-2081	SLH 5XC LED - PLATE SYSTEM	I
3020-P-2082	SLH 5XC LED Di - PLATE SYSTEM	I
3020-P-2083	SLH 5XC LED DiR - PLATE SYSTEM	I
3020-P-2089	SLH 3XC LED - REF	I
3020-P-2090	SLH 3XC LED - TABLE	I
3020-P-2091	SLH 3XC LED TABLE USA	I
3020-P-2092	SLH 3XC LED Di - REF	I
3020-P-2093	SLH 3XC LED Di - TABLE	I
3020-P-2094	SLH 3XC LED Di TABLE USA	I
3020-P-2095	SLH 3XC LED DiR - REF	I

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3020-P-2096	SLH 3XC LED DiR - TABLE	
3020-P-2097	SLH 3XC LED DiR TABLE USA	
3020-P-2098	SLH 3XP LED - REF	
3020-P-2099	SLH 3XP LED - TABLE	
3020-P-2101	SLH 3XP LED Di - REF	
3020-P-2102	SLH 3XP LED Di - TABLE	
3020-P-2104	SLH 3XP LED DiR - REF	
3020-P-2105	SLH 3XP LED DiR - TABLE	
3020-P-2112	SLH 5XP LED Di REF (WHITE)	
3020-P-2113	SLH 5XC LED REF (WHITE)	
3020-P-2114	SLH 5XC LED TABLE (WHITE)	
3020-P-2126	SLH 3XP LED REF WHITE	
3020-P-2127	SLH 5XP LED REF GREY	
3020-P-2128	SLH 5XP LED REF WHITE	
3020-P-2129	SLH 3XP LED DiR REF WHITE	
3020-P-2130	SLH 5XP LED DiR REF	
3020-P-2131	SLH 5XP LED DiR REF WHITE	
3020-P-2132	SLH 3XP LED Di REF WHITE	
3020-P-2133	SLH 5XP LED Di REF	
3020-P-2134	SLH 3XC 6V TBL	
3020-P-2135	SLH 5XC LED - PLATE SYSTEM - WHITE	
3020-P-2138	SLH 5XC LED Di PLATE SYSTEM (WHITE)	
3020-P-2139	SLH 3XC LED - PLATE SYSTEM	
3020-P-2140	SLH 3XC LED Di - PLATE SYSTEM	
3020-P-2141	SLH 3XC LED DiR - PLATE SYSTEM	
3020-P-2023	SLZ 3XP REF	
3020-P-2023-003	SLZ 3XP REF (WHITE)	
3020-P-2024	SLZ 3XP TBL	
3020-P-2025	SLZ 3XP TBL USA	
3020-P-2026	SLZ 3XP Di REF	
3020-P-2027	SLZ 3XP Di TBL	
3020-P-2028	SLZ 3XP Di TBL USA	
3020-P-2029	SLZ 3XP DiR REF	
3020-P-2030	SLZ 3XP DiR TBL	
3020-P-2031	SLZ 3XP DiR TBL USA	
3020-P-2032	SLZ 5XP REF	
3020-P-2033	SLZ 5XP TBL	
3020-P-2034	SLZ 5XP TBL USA	
3020-P-2035	SLZ 5XP Di REF	
3020-P-2036	SLZ 5XP Di TBL	

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3020-P-2037	SLZ 5XP Di TBL USA	
3020-P-2038	SLZ 5XP DiR REF	
3020-P-2039	SLZ 5XP DiR TBL	
3020-P-2040	SLZ 5XP DiR TBL USA	
3020-P-2041	SLZ 3XC REF	
3020-P-2042	SLZ 3XC TBL	
3020-P-2043	SLZ 3XC TBL USA	
3020-P-2044	SLZ 3XC Di REF	
3020-P-2045	SLZ 3XC Di TBL	
3020-P-2046	SLZ 3XC Di TBL USA	
3020-P-2047	SLZ 3XC DiR REF	
3020-P-2048	SLZ 3XC DiR TBL	
3020-P-2049	SLZ 3XC DiR TBL USA	
3020-P-2050	SLZ 5XC REF	
3020-P-2051	SLZ 5XC TBL	
3020-P-2052	SLZ 5XC TBL USA	
3020-P-2053	SLZ 5XC Di REF	
3020-P-2054	SLZ 5XC Di TBL	
3020-P-2055	SLZ 5XC Di TBL USA	
3020-P-2056	SLZ 5XC DiR REF	
3020-P-2057	SLZ 5XC DiR TBL	
3020-P-2058	SLZ 5XC DiR TBL USA	
3020-P-2059	SLH 5XC LED TBL VALON	
3020-P-2070	SLH 5XC LED REF OEM	
3020-P-2077	SLZ 3XC REF WHT	
3020-P-2078	SLZ 3XC TBL WHT	
3020-P-2079	SLZ 5XC REF WHT	
3020-P-2080	SLZ 5XC TBL WHT	
3020-P-2084	SLZ 5XC LED - PLATE SYSTEM	
3020-P-2085	SLZ 5XC LED Di - PLATE SYSTEM	
3020-P-2086	SLZ 5XC LED DiR - PLATE SYSTEM	
3020-P-2108	SLZ 5XC Di REF - WHITE	
3020-P-2109	SLZ 5XC Di TBL - WHITE	
3020-P-2110	SLZ 5XP Di REF - WHITE	
3020-P-2121	SLZ 5XP REF WHITE	
3020-P-2123	SLZ 5XP DiR REF WHITE	
3020-P-2124	SLZ 3XP Di REF WHITE	
3020-P-2125	SLZ 5XC LED PLT SYS - WHITE	
3020-P-2136	SLZ 5XC DiR REF (WHITE)	
3020-P-2137	SLZ 5XC DiR TABLE (WHITE)	

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3020-P-2142	SLZ 3XC LED - PLATE SYSTEM	I
3020-P-2143	SLZ 3XC LED DiR - PLATE SYSTEM	I
3020-P-2144	SLZ 3XC LED Di - PLATE SYSTEM	I
3020-P-2145	SL-B2 3XC SLIT LAMP	I
3020-P-2145-001	SL-B2 3XC SLIT LAMP	I
3020-P-2145-002	SL-B2 3XC SLIT LAMP	I
3020-P-2151	SLH 5XC LED DiR - PLATE SYSTEM - WHITE	I
3020-P-2155-002	SL-B3 3XC SLIT LAMP (GEN)	I
3020-P-2160	MODULIGHT SLIT LAMP	I

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Accessories	
Part Number	Device Description
1030-P-7160	BULB
1205-P-7012	KAPTURE SOFTWARE MEMORY STICK
1945-P-7000	REFRACTION STAND POWER ADAPTOR
2199-P-7136	LENS CLOTH
2207-P-1026	2x HALBERG TRIAL CLIPS IN CASE
3010-P-5026	SLIT LAMP CHARGING UNIT ASSEMBLY
3020-P-2022	DSL DIGITAL CAMERA KIT
3020-P-5005	DSL LED X-Y ASSEMBLY
3020-P-5006	DSL CHINREST ASSEMBLY
3020-P-5007	BASE ASSEMBLY (TABLE-TOP VARIANT ONLY)
3020-P-5031	DSL DIGITAL CAMERA ASSEMBLY
3020-P-5036	CHINREST ASSEMBLY
3020-P-5041	DSL TABLE ASSEMBLY - DIGITAL
3020-P-5042	REFRACTION STAND CHINREST ASSEMBLY
3020-P-5042-003	CHINREST ASSY - REF STAND - WHITE
3020-P-5058	DSL X-Y ASSEMBLY
3020-P-5062	DSL TABLE ASSY - USA REFRACTION STAND
3020-P-5063	DSL DIGITAL USA REFRACTION STAND ASSEMBLY
3020-P-5088	DSL LED DIGITAL X-Y ASSEMBLY
3020-P-5090	DSL LED DIGITAL TABLE ASSEMBLY 12V
3020-P-5091	DSL LED DIGITAL TABLE ASSEMBLY 12V US
3020-P-5120	VALON CHINREST ASSEMBLY
3020-P-5121	12V PSU & DRAWER KIT
3020-P-5131	DSL CAMERA ASSEMBLY - NO BRANDING
3020-P-5151	SL CHINREST ASSEMBLY - PLT SYS
3020-P-5179	SLH/SLZ LARGE TABLE TOP ASSEMBLY
3020-P-5191	SLH PLATE SYSTEM CHINREST ASSY
3020-P-5191-003	SLH PLATE SYSTEM CHINREST ASSY - WHITE
3020-P-5211	OCULUS/KEELER T/T ASSEMBLY - 12V
3020-P-5270	MARCO TABLE ASSEMBLY
3020-P-7000	MULTI VOLTAGE TABLE LEG ASSEMBLY
3020-P-7003	DSL REFRACTION ACCESSORIES KIT
3020-P-7004	DSL TABLE TOP ACCESSORIES KIT
3020-P-7007	MAINS CABLES – BRAZIL
3020-P-7008	MAINS CABLES - JAPAN
3020-P-7011	POWER SUPPLY TO SLIT LAMP BASE CABLE (TABLE-TOP VARIANT ONLY)

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3020-P-7012	DSL TABLE LEG TO PSU CABLE ASSEMBLY
3020-P-7013	DSL REFRACTION CABLE (XY - BULB)
3020-P-7014	REFRACTION STAND CABLE KIT
3020-P-7016	MAINS CABLES - NORTH AMERICA
3020-P-7017	REFRACTION STAND PSU & SKT KIT
3020-P-7020	LED REFRACTION STAND ACCESSORY KIT
3020-P-7020-003	SLH LED REF ACCESSORY KIT - WHITE
3020-P-7021	LED TABLE TOP ACCESSORY KIT
3020-P-7021-003	SLH LED TABLE ACCESSORY KIT (WHITE)
3020-P-7025	DSL DIGITAL REFRACTION STAND ACCESSORY KIT
3020-P-7026	DSL DIGITAL TABLE ACCESSORY KIT
3020-P-7032	SLIT LAMP USA REFR STAND KIT
3020-P-7033	DSL DIGITAL REFRACTION STAND POWER SOCKET KIT
3020-P-7051	DSL DIGITAL LED REFRACTION STAND ACCESSORY KIT
3020-P-7051-003	SLH LED Di REF ACCESSORY KIT - WHITE
3020-P-7052	TABLE ACCESSORY KIT DIGITAL
3020-P-7053	ILLUMINATION ASSEMBLY LED DIGITAL
3020-P-7055	Z-TYPE DSL REFRACTION STAND ACCESSORY KIT
3020-P-7055-003	Z-TYPE REFRACTION STAND ACCESSORY KIT
3020-P-7056	Z-TYPE DSL TABLE TOP ACCESSORY KIT
3020-P-7056-003	Z-TYPE TABLE TOP ACCESSORY KIT
3020-P-7057	Z-TYPE DSL DIGITAL REFRACTION STAND ACCESSORY KIT
3020-P-7057-003	SLZ Di REF STD ACCESSORY KIT - WHITE
3020-P-7058	Z-TYPE DSL DIGITAL TABLE TOP ACCESSORY KIT
3020-P-7058-003	SLZ Di TBL TOP ACCESSORY KIT - WHITE
3020-P-7059	DSL TABLE TOP ASSEMBLY (BLACK)
3020-P-7061	DIELECTRIC PROJECTION MIRROR KIT
3020-P-7065	OEM ACCESSORY KIT
3020-P-7070	VALON ACCESSORY KIT 1
3020-P-7081	SLH/SLZ MOUNTING PLATE SYSTEM
3020-P-7082	DSL/ZSL LARGE TABLE IN CARTON
3020-P-7084	QUANTEL DSL ACCESSORY KIT
3020-P-7086	SL CHINREST & MOUNTING PLATE SYSTEM
3020-P-7100	SLH CHINREST MOUNTING PLATE SYSTEM
3020-P-7105	EYEPIECE WITH RETICULE
3020-P-7115	LUMENIS SLIT LAMP CAMERA - WHITE
3020-P-7122	MARCO ACCESSORY KIT
3104-L-8201	CHIN REST PAPERS
EP39-70369	JOYSTICK RUBBER
EP39-80052	LONG PROJECTION MIRROR (STANDARD)

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EP39-80243	TEST BAR
EP39-80250	SMALL PROJECTION MIRROR
EP39-80273	DUST COVER

SGS

Certificate GB19/964765

The management system of

Keeler Ltd

Clewer Hill Road, Windsor, Berkshire, SL4 4AA, UK

has been assessed and certified as meeting the requirements of

ISO 13485:2016 EN ISO 13485:2016

For the following activities

**Design, Development and manufacture, distribution & service
of Optometric and Ophthalmic medical devices and equipment.**

This certificate is valid from 02 December 2019 until 31 October 2022
and remains valid subject to satisfactory surveillance audits.

Re certification audit due before 04 September 2022

Issue 1. Certified since 10 September 1995

Authorised by

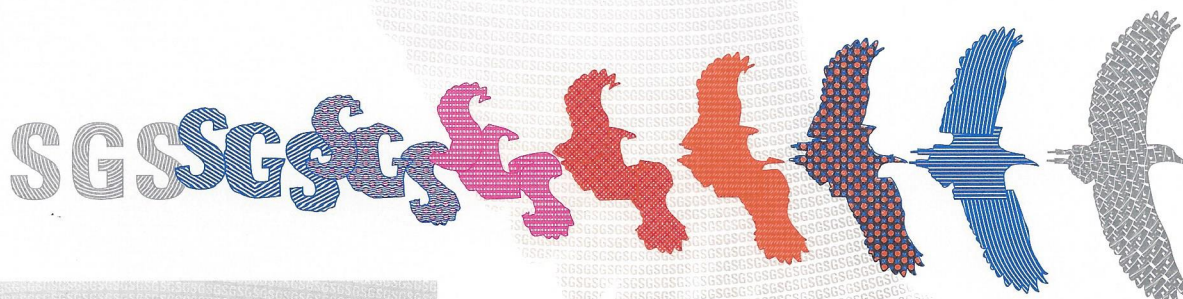
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HC SGS 13485 2016 0118

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