



Surgical and Examination Lighting

Imaging Solutions offers a comprehensive range of Surgical and Examination Lighting products designed to provide optimal illumination for medical procedures.

Our product range includes surgical lights, examination lights, and accessories. Our lighting products are designed to meet the highest standards of performance, providing excellent brightness and colour rendering for accurate and efficient visualization during procedures.

your single source supplier™





Trusted provider to medical imaging professionals since 2000

Imaging Solutions is celebrating over 25 years as a trusted provider of market-leading medical imaging equipment and accessories. With an unwavering commitment to innovation, quality, and service, we continue to deliver cutting-edge solutions that empower healthcare professionals worldwide.

25
years

your single source supplier[™]

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Regulatory Notice

Imaging Solutions operates in Australia, New Zealand, the United States, the European Union, and engages with resellers and distributors globally. Product availability in this catalogue may vary by region and is subject to local regulatory classifications and approvals. Certain products may only be available in jurisdictions where they have been registered or authorized by the relevant regulatory authorities. For details on product availability in your region, please contact Imaging Solutions.



MAVIG

For decades, MAVIG has set standards in the field of radiation protection and medical suspension systems. This also goes for MAVIG's long-standing partner company Dr. Mach and their core competence in lighting technology for medical applications.

Both companies are family-owned, producing in Germany with a high level of vertical manufacture, demanding highest quality standards combined with product functionality.

Surgical and Exam Lights

The Latest Technology

MAVIG LED lamps enable optimal examination and operating conditions thanks to:

- Plastic depth illumination
- Daylight properties with up to 160,000 lux
- Reduction of heat radiation to an absolute minimum (< 0.5 K)
- High-contrast colour rendering Ra 98, for the detection of the finest colour nuances in tissues

All lamps are NRTL certified and delivered including an appropriate extension arm of 750 or 950 mm in length and a 910 mm long spring arm.

Range Highlights

LED6 MC – LED OR Lamp

The LED6 MC is an operating theater light for diagnosis and surgery. The electronic brightness is controlled on the lamp head and the size of the light field can be easily adjusted using the sterilisable handle. Using the optionally available wall panel, the lamp can also be operated remotely. The LED6 MC is available in 3 versions: 1. Basic version, 2. including laser pointer (L) or 3. including camera preparation and shadow management (KVS).

- Superior colour rendition
- Optimal laminar flow properties
- Enhanced illumination depth
- Laser pointer for correct positioning (optional)
- Large focus field
- Camera ready (optional)
- Antibacterial coating
- Automatic shadow management (optional)



YLED-1F

The compact YLED-1F contains 17 powerful LED modules. All modules provide a combined light intensity of 70,000 Lux. In addition, a wide range power supply is integrated into the housing. This integrated power supply enables you to save space and time by means of simple installation.

The YLED-1F covers a wide range of applications, from diagnoses to medical examination procedures. It is intuitively controlled by means of the side-mounted control panel and the sterilisable handle.

Designed for utmost performance and to meet stringent requirements, the YLED-1F can be daily used by physicians or specialists, in hospitals or in outpatient surgery centres. It always keeps a „cool head“, because the heat radiation from the YLED-1F is reduced to a minimum.

- 70,000 lx light intensity
- Integrated wide range power supply
- Efficient LED of the newest generation
- Lifetime of LEDs: at least 60,000 hours
- Highly economic
- Reduced power consumption
- Easy, time saving installation



LED Light YLED-1F with Acrobat® Swing System

The YLED-1F covers a wide range of applications, from diagnostic to medical examination procedures. It is intuitively controlled by means of the side-mounted control panel and the sterilisable handle.

- Length ceiling column: 680 mm
- Height floor stand: 1750 mm
- 800 mm extension arm (only ceiling system), 720 mm spring arm
- Spring adjustment (lift): +35° up and -45° down = height adjustment (Acrobat Swing spring arm) ca. 123 cm
- Cable length of floor stand: 3 m
- US Version floor stand: Connection cable with IEC plug: IEC C13 power socket NEMA 5-15, V-Lock
- EU version floor stand: Connection cable with IEC plug: IEC C13 with shockproof plug (CEE 7/VII for EU), V-Lock



Surgical and Exam Lights

Technical Data Overview

The latest generation of lights with LED (Light Emitting Diode) technology makes it easier for users to work and concentrate for long periods without fatigue.

LED lights are designed to make the finest colour changes and structures visible in the wound area, with natural colour rendering, precise illumination of the wound area and easy positioning of the light body.



Specifications	LE70041	LE7017100	LE9026100
Article no. of light including suspension arm (750 mm)	✓	✓	✓
Article no. of light including suspension arm (950 mm)	LE90041	LE9017100	LE9026100
Article no. of light including spring arm only	-	LE6017100	LE6026100
Central illuminance (at 1 m distance)	50,000 lx	70,000 lx	110,000 lx
Colour temperature (± 200 K)	4500 K	4100 K	4500 K
Colour rendering index Ra	96	95	96
Focusable illuminated field size (at 1 m distance)	130 - 180 mm	140 - 250 mm	160 - 240 mm
Electronic brightness control (dimming range)	50% - 100%	50% - 100%	50% - 100%
5 % (Endo)	✓	✓	✓
Max. temperature increase in the head area	0.5 K	0.5 K	0.5 K
Power consumption (total)	9 VA	24 VA	24 VA
Mains voltage and frequency (100 - 240 VAC at 50 - 60 Hz)	✓	✓	✓
Power supply unit / power supply	external	internal	external
Number of LED modules	12	17	26
Service life of light	≥ 60,000 h	≥ 60,000 h	≥ 60,000 h
Working range	70 - 140 cm	70 - 140 cm	70 - 140 cm
Height adjustment (on Portegra2 spring arm)	117 cm	117 cm	117 cm
Sterilisable handle	✓	✓	✓
Dimensions of the light body	29 cm Ø	28 x 36 cm	40 cm Ø
HD remote camera (wireless)	-	-	-
Light head weight	1.9 kg	2.4 kg	3.5 kg
Pollutant-free in accordance with EU Directive	2011/65/EU	2011/65/EU	2011/65/EU
RoHS compliant	✓	✓	✓
IP protection class	IP42	IP44	IP42
Fire protection class	V0	V0	V0
Medical Product - (EU) 2017/745 MDR	✓	✓	✓
Usage in accordance with DIN VDE 0100-710	✓	✓	✓
Certified CE / NRTL	✓	✓	✓

With a continuous illumination time of at least 60,000 hours, or four and a half years, MAVIG LEDs have an enormously long service life and therefore help to protect the environment. LEDs are also insensitive to vibrations. This enables them to be used under the toughest of mechanical stress.



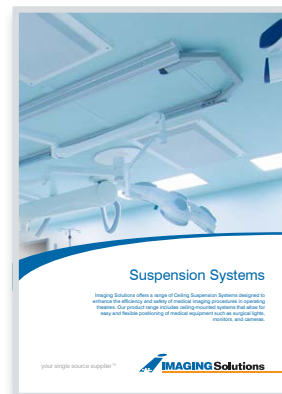
LED2 SC	LED3 SC	LED6 MC		
LE70044	LE70072	LE7069111	LE7069111L	LE7069111KVS
LE90044	LE90072	-	-	-
LE70044FA	LE70072FA	LE6069111	LE6069111L	LE6069111KVS
115,000 lx	160,000 lx	160,000 lx	160,000 lx	160,000 lx
4500 K	4500 K	3750 - 4750 K	3750 - 4750 K	3750 - 4750 K
96	96	98	98	98
160 - 230 mm	160 - 230 mm	180 - 300 mm	180 - 300 mm	180 - 300 mm
50 % - 100 %	50 % - 100 %	30 % - 100 %	30 % - 100 %	30 % - 100 %
✓	✓	✓	✓	✓
0.5 K	0.5 K	0.5 K	0.5 K	0.5 K
26 VA	30 VA	87 VA	87 VA	92 VA
✓	✓	✓	✓	✓
external	external	external	external	external
21	28	69	69	66
≥ 60,000 h	≥ 60,000 h	≥ 60,000 h	≥ 60,000 h	≥ 60,000 h
60 - 150 cm	60 - 150 cm	60 - 150 cm	60 - 150 cm	60 - 150 cm
117 cm	117 cm	117 cm	117 cm	117 cm
✓	✓	✓	✓	✓
49 cm Ø	57 cm Ø	58 cm Ø	58 cm Ø	58 cm Ø
-	-	-	-	optional
11.5 kg	15.2 kg	16.0 kg	16.2 kg	16.5 kg (only LED6)
2011/65/EU	2011/65/EU	2011/65/EU	2011/65/EU	2011/65/EU
✓	✓	✓	✓	✓
IP42	IP42	IP54	IP54	IP53
V0	V0	V0	V0	V0
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓

Surgical and Exam Lights – Product List

LED lights for Portegra2 are available with different extension arm lengths:		Extension arm length 750 mm (Standard) Extension arm length 950 mm (On Request)	
LED Lights for the Portegra2 System	Description	Lux	Product Code
	LED120F, focusable LED examination light with sterilisable handle, including electrical and preset Portegra2 suspension arm (LE70U550): extension arm 750 mm / spring arm 910 mm, external power supply unit	50,000	MVG-LE70041
	LED120F, comparable with LE70041, but suspension arm (LE90U510): extension arm 950 mm	50,000	MVG-LE90041
	YLED-1F, focusable LED examination light and small surgical light with sterilisable handle, including electrical and preset Portegra2 suspension arm (LE70U510): extension arm 750 mm / spring arm 910 mm, internal power supply unit	70,000	MVG-LE7017100
	YLED-1F, comparable with LE7017100, but suspension arm (LE90U510): extension arm 950 mm	70,000	MVG-LE9017100
	LED150F, focusable LED examination light and small surgical light with sterilisable handle, including electrical and preset Portegra2 suspension arm (LE70U550): extension arm 750 mm / spring arm 910 mm, external power supply unit	110,000	MVG-LE7026100
	LED150F, comparable with LE7026100, but suspension arm (LE90U510): extension arm 950 mm	110,000	MVG-LE9026100
	LED2 SC, single colour LED light for examination and minor surgery, with sterilisable handle, including electrical and preset Portegra2 suspension arm (LE70U626): extension arm 750 mm / spring arm 910 mm, external power supply unit	115,000	MVG-LE70044
	LED2 SC, comparable with LE70044, but suspension arm (LE90U620): extension arm 950 mm	115,000	MVG-LE90044
	LED3 SC, single colour surgical LED light, sterilisable handle, including electrical and preset Portegra2 suspension arm (LE70U620): extension arm 750 mm / spring arm 910 mm, external power supply unit	160,000	MVG-LE70072
	LED3 SC, comparable with LE70072, but suspension arm (LE90U620): extension arm 950 mm	160,000	MVG-LE90072
	LED6 MC, multi colour surgical LED light, sterilisable handle, including electrical and preset Portegra2 suspension arm (LE70U628): extension arm 750 mm / spring arm 910 mm, external power supply unit	160,000	MVG-LE7069111
	LED6 MC, light comparable with LE7069111, but including a laser pointer (L)	160,000	MVG-LE7069111L
	LED6 MC, light comparable with LE7069111, without laser pointer, but including camera preparation (KV) and shadow management (S)	160,000	MVG-LE7069111KVS
Replacement / additional sterilisable handle for all MAVIG LED light models		MVG-E-7110081	
Camera / Accessories	The LED 6 MC light (KVS variant) can be used with a camera system available as an optional extra.		
	Description	Product Code	
	HD wireless camera for LE7069111KVS (LED6 MC with camera preparation, see above), 30x optical zoom, 12x digital zoom, resolution 1920 x 1080 pixels, auto-fokus, automatic brightness control, image rotation incl. control unit remote control) for video system	MVG-KAM02	
	Wall control panel for remote control of one light (only LED6), surface-mounted	MVG-TAB01	
	Wall control panel for remote control of two lights (only LED6), surface-mounted	MVG-TAB02	
Swing System	LED Light YLED-1F with Acrobat® Swing System		
	Description	Product Code	
	YLED-1F, focusable LED light with sterilisable handle, internal power supply unit and Acrobat® Swing ceiling column, including matching Acrobat® Swing extension/spring arm	MVG-LE5117100	
	YLED-1F, focusable LED light with sterilisable handle, internal power supply unit and Acrobat® Swing floor stand (EU), including matching Acrobat® Swing spring arm	MVG-LE5217100	
	comparable with LE5217100, but US version with NEMA 5-15 US plug (hospital grade UL 817)	MVG-LE5217100-US	

Suspension Systems

Imaging Solutions offers a range of Ceiling Suspension Systems designed to enhance the efficiency and safety of medical imaging procedures in operating theatres. Our product range includes ceiling-mounted systems that allow for easy and flexible positioning of medical equipment such as surgical lights, monitors, and cameras.



*See our Suspension Systems
catalogue for our full range.*



Operating and Exam Lamps

Kenex modern ergonomic lamps create ideal examination and operating conditions

Such as daylight characteristics, cool light technology with almost non-existent heat dispersion, faceted multi-lenses for even illumination, high contrast colour rendering for recognition of colour tones and controls to alter the light field size and intensity. LED MC models enable the colour temperature values to be altered to create a range of settings according to preference or application. For example 4500 or 4750 Kelvin for cold-white or warm-white light.

Kenex lamps can be used in combination with radiation shields or separately, either as a static installation or as a movable unit in a ceiling track.

Outstanding illumination with high-contrast daylight characteristics, optimal colour reproduction and cool light technology are features of these examination and surgical lamps. Robust suspension arms, comprising a 95 cm extension with a 91 cm spring arm, provide extensive reaching capacity within a 372 cm diameter and a height adjustment of 118 cm. Mobile versions are available.



LED130F



LED 150F, LED 150FP
& LED 150MC



LED 6MC



LED 300DF SC

LED 130F

Focusable, single colour LED examination lamp

Light output 70,000 Lux

- Colour rendering index Ra 96, colour temperature 4500K and focusable light field 13-19 cm diameter.
- Dimming range 50% to 100% with on/off switch at lamp head.
- 19 LED's (life span 60,000h) included in 33 cm diameter lamp head with sterilisable handle.
- Supplied with a separate power supply unit (100-240V 50-60Hz) and housing.

Description	Product code
LED 130F lamp and suspension arm only (for use with a Kenex ceiling radiation shield)	KNX-300/L-LED130F
LED 130F lamp, suspension arm and ceiling column	KNX-300/CL-LED130F
LED 130F lamp, suspension arm and wall fixing bracket	KNX-300/WL-LED130F



LED 150F

Focusable, single colour LED examination and small operating lamp

Light output 70,000 Lux

- Colour rendering index Ra 96, colour temperature 4500K and focusable light field 18-25 cm diameter.
- Dimming range 50% to 100% with on/off switch at lamp head.
- 26 LED's (life span 60,000h) included in 40 cm diameter lamp head with sterilisable handle.
- Supplied with a separate power supply unit (100-240V 50-60Hz) and housing.

Description	Product code
LED 150F lamp and suspension arm only (for use with a Kenex ceiling radiation shield), incl. power supply	KNX-300/L-LED150F
LED 150F lamp, suspension arm and ceiling column	KNX-300/CL-LED150F
LED 150F lamp, suspension arm and wall fixing bracket	KNX-300/WL-LED150F



Lamp Upgrade

A 150F lamp head with LED technology, can replace an existing Kenex 130F lamp head, or older Triaflex lamp head, (with halogen bulbs), without the need to replace their existing suspension arms. LED 150F light output: 100,000 LUX.

Description	Product code
LED 150F lamp head with separate electronic transformer (110-250V 50-60Hz) and housing	KNX-150F/400/3.1

LED 150FP

Focusable, single colour LED examination and small operating lamp

Light output 130,000 Lux

- Colour rendering index Ra 96, colour temperature 4500K and focusable light field 17-24 cm diameter.
- Dimming range 50% to 100% with on/off switch at lamp head.
- 26 LED's (life span 60,000h) included in 40 cm diameter lamp head with sterilisable handle.
- Supplied with a separate power supply unit (100-240V 50-60Hz) and housing.

Description	Product code
LED 150FP lamp and suspension arm only (for use with a Kenex ceiling radiation shield), incl. power supply	KNX-300/L-LED150F
LED 150F lamp, suspension arm and ceiling column	KNX-300/CL-LED150F
LED 150F lamp, suspension arm and wall fixing bracket	KNX-300/WL-LED150F



LED 150MC

Fixed focus, multi colour LED examination and small operating lamp

Light output 110,000 Lux

- Colour rendering index Ra 96, colour temperature range: 3750, 4000, 4250, 4500 & 4750 Kelvin and 20 cm light field diameter.
- Diming range 50% to 100% with on/off switch at lamp head.
- 26 LED's (life span 60,000h) included in 40 cm diameter lamp head with sterilisable handle.
- Supplied with a separate power supply unit (100-240V 50-60Hz) and housing.

Description	Product code
LED 150MC lamp and suspension arm only (for use with a Kenex ceiling radiation shield), incl. power supply	KNX-300/L-LED150MC
LED 150MC lamp, suspension arm and ceiling column, includes power supply	KNX-300/CL-LED150MC
LED 150MC lamp, suspension arm and wall fixing bracket, includes power supply	KNX-300/WL-LED150MC



LED 6MC

Multi colour surgical LED lamp

Light output 130,000 Lux

- Colour rendering index Ra 98, colour temperature range: 3750, 4000, 4250, 4500 & 4750 Kelvin and focusable light field 18-30 cm diameter.
- Touch panel light intensity control (50 -100%) with on/off switch.
- Depth light and Endo light switching (for increased intensity to central LED segments or where outer segments are turned off).
- 69 LED's (life span 60,000h) included in 58 cm diameter lamp head with sterilisable handle.
- Supplied with a separate power supply unit (100-240V 50-60Hz) and housing.

Description	Product code
LED 6MC lamp and suspension arm only (for use with a Kenex ceiling radiation shield)	KNX-610/530/01
LED 6MC lamp, suspension arm and ceiling column	KNX-610/530/03



LED 300DF SC

Single colour surgical LED lamp

Light output 160,000 Lux

- Colour rendering index Ra 96, colour temperature 4500K.
- Step less dimming (28-100%) with on/off switch at lamp head.
- "Duo-Focus" system for merging and focusing the light field from 19-26 cm diameter.
- 36 LED's (life span 60,000h) included in 55 cm diameter lamp head with sterilisable handle.
- Supplied with a separate power supply unit (100-240V 50-60Hz) and housing.

Description	Product code
LED 300DF SC lamp and suspension arm only (for use with a Kenex ceiling radiation shield)	KNX-340/631/01
LED 300DF SC lamp, suspension arm and ceiling column	KNX-340/631/03



LED 130F, LED 150F & LED 150FP mobile lamp

Light output 70,000, 110,000 & 130,000 Lux

Description	Product code
LED 130F mobile lamp with power supply 70,000 Lux. Arm reach: 91 cm. Height range 69 - 193 cm	KNX-130/430/1300
LED 150F mobile lamp with power supply 110,000 Lux. Arm reach: 97 cm. Height range 61 - 184 cm	KNX-150/430/1300
LED 150FP mobile lamp with power supply 130,000 Lux. Arm reach: 97 cm. Height range 61 - 184 cm	KNX-150/530/1300

LED 6MC mobile surgical lamp

Light output 140,000 Lux

Arm reach: 110 cm. Height range: 83 – 246 cm.

Description	Product code
Mobile lamp with power supply	KNX-610/530/1200

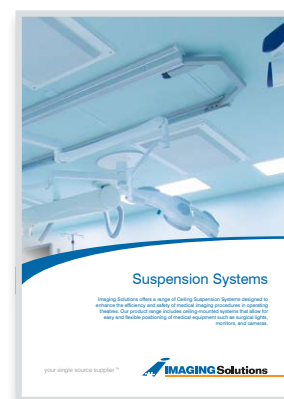
Additional sterilisable handle

Description	Product code
Spare sterilisable handle (available for all lights)	KNX-300/L/2115/0002



Suspension Systems

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See our Suspension Systems catalogue for our full range.



Explore Our Range

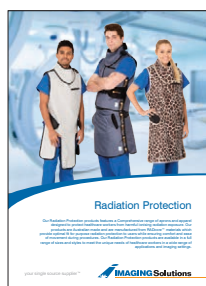
At Imaging Solutions, we take pride in offering an extensive and comprehensive range of products designed to cater to the diverse needs of healthcare facilities across the globe. Our commitment to providing top-quality equipment and technology solutions is at the core of our Preferred Supplier Agreement. This ensures that our customers receive unparalleled access to the best in class products, while benefiting from the tangible value we deliver through managing and containing operational costs. With a broad spectrum of offerings, our Single Source Supply agreements are the ideal solution for meeting your facility's specific needs.

As your trusted partner, Imaging Solutions is dedicated to providing a seamless and integrated experience, allowing you to focus on delivering exceptional patient care. With our Preferred Supplier Agreement, you can have confidence that you are investing in the most advanced and reliable products in the industry, all while enjoying the cost-saving benefits that our Single Source Supply agreements provide. Explore Our Range and discover the Imaging Solutions difference.

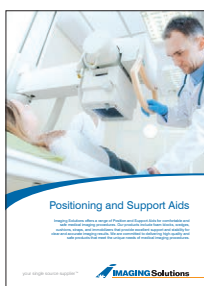
Your Single Source Supplier™

Established initially as a small medical imaging hardcopy film and consumables distributor, specialising in analogue based imaging technology, the company very quickly identified the need for a reliable supply source of high quality imaging accessories. As a result, the business targeted a niche of premium suppliers of imaging accessories and over a short space of time acquired distribution access to develop an initial foundation for today's expansive and comprehensive accessories portfolio. These industry wide market leading brands converge to develop a comprehensive product portfolio offering the company markets today.

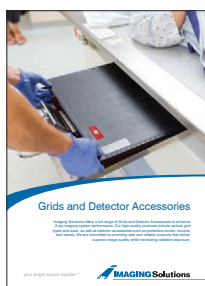
Effectively on completion of our initial growth phase, in building the accessories range offering, Imaging Solution set about the task of identifying the world's market leading brand, in every functional specialisation existing in the imaging market.



Radiation Protection



Positioning and Support Aids



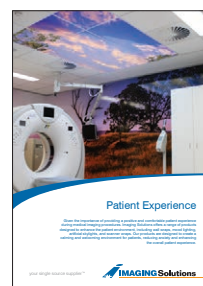
Grids and Detector Accessories



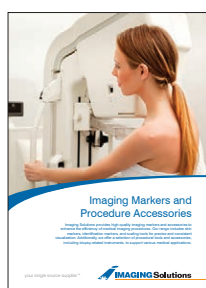
MRI Equipment and Accessories



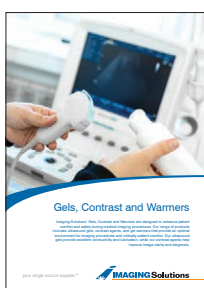
Design and Construction



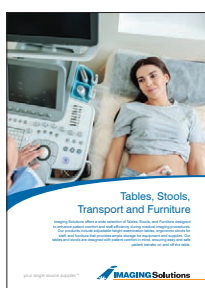
Patient Experience



Imaging Markers and Accessories



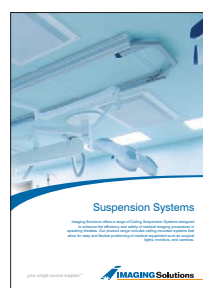
Gels, Contrast and Warmers



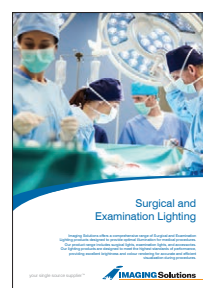
Tables, Stools, and Transport



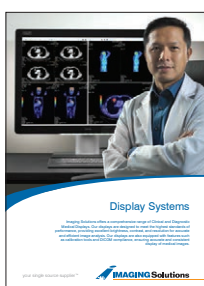
Trolleys, Stands, Carts and Storage



Suspension Systems



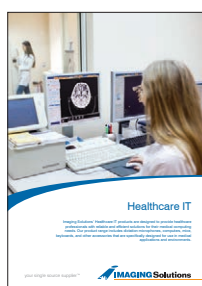
Surgical and Examination Lighting



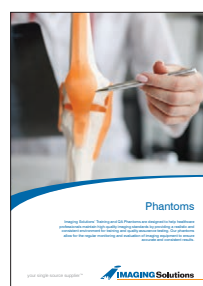
Display Systems



Data Management



Healthcare IT



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