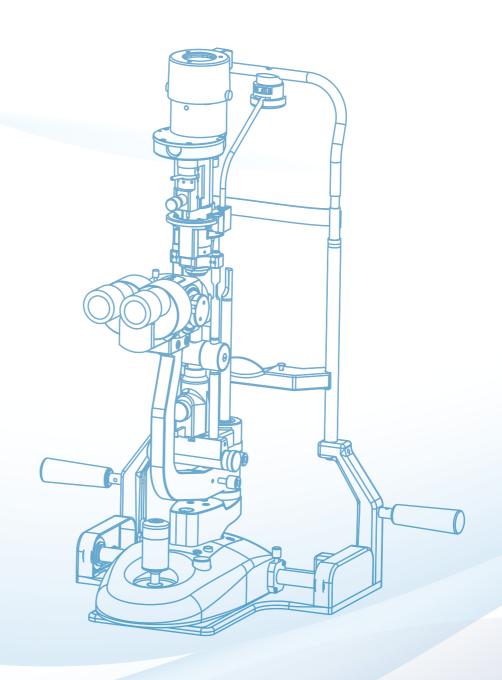


LED & Halogen SLIT LAMPS

Quality Optics



MADE IN JAPAN

www.inami.co.jp/english
www.facebook.com/inami.japan

Here comes the PHAROS LED EGG LED

- Sharp and even illumination
- **☑** Environmentally-friendly
- ☑ Powerful and long-lasting light source
- ☑ Less stress to patient's eye

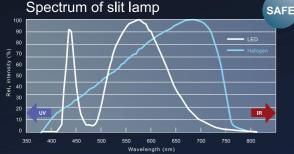
Inami's slit lamp series "PHAROS" and the high-end model "EGG" now have LED powered version.

The original LED technology optimises the spectrum of light for sharp, clear and even observation.

One of the most valuable advantages of LED light source is that it lasts nearly lifetime which means there will be no need to purchase and change light bulbs.

Even if the LED lamp house needs to be changed somehow, users do not have to change the whole column part since the lamp house assembly itself is replaceable.

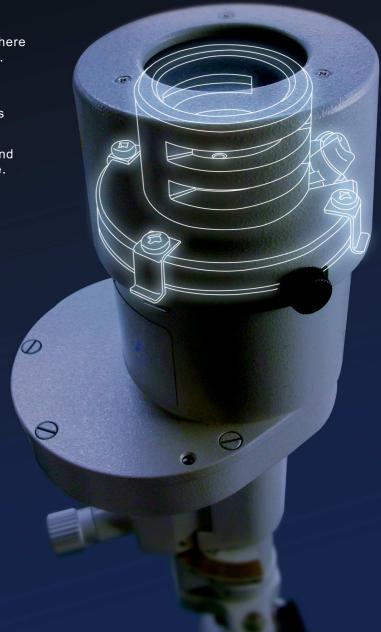
This energy saving light source generates no UV and less heat, which reduces the stress to patient's eye.



Inami's LED spectrum is specially designed to ensure the best setting for various kinds of slit lamp observation.



Unlike many other brands, the light intensity control of Inami's LED slit lamp is just as smooth as conventional halogen slit lamp. Even very low range can be freely controlled for retinal observation etc.











With built-in C-mount (factory option) camera can be attached



Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Built-in yellow filter for clearer fluorescein images



Convergent optics for user's comfort



Half-moon type column for laser system attachment



Light booster for momentary extra-brightness (halogen type only)

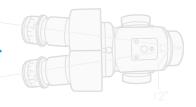


Digital camera controlable base for easy photography (activating this function is optional)



3 Step

LED: L-0187-LED Halogen: L-0187





Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Digital video camera beam splitter can be attached



Convergent optics for user's comfort



Half-moon type column for laser system attachment



Light booster for momentary extra-brightness (halogen type only)

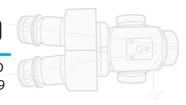


Digital camera controlable base for easy photography (activating this function is optional)



5 Step

LED: L-0189-LED Halogen: L-0189





Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Digital video camera beam splitter can be attached



Convergent optics for user's comfort



Half-moon type column for laser system attachment



Light booster for momentary extra-brightness (halogen type only)

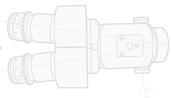


Digital camera controlable base for easy photography
(activating this function is optional)



Zoom

LED: L-0240-LED Halogen: L-0240





Continuous light volume controller for fine adjustment



Colour selectable base top for your interior theme



Digital video camera beam splitter can be attached



Convergent optics for user's comfort



Half-moon type column for laser system attachment



Light booster for momentary extra-brightness (halogen type only)



Digital camera controlable base for easy photography (activating this function is optional)

Versatility

EGG SLIT LAMP

Digital Camera Compatible

LED: L-0229-E-LED Halogen: L-0229-E Digital camera compatible slit lamp microscope series "EGG" is ideal for digital photographing and video recording with our digital video camera beam splitter L-0541DC series.

"EGG" is available in both LED and halogen light source type.

All the extended functions of "EGG" have been thoroughly considered to maximise users' comfort.



EGG **LED** EGG

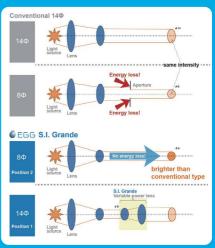


The Joy-stick features a shutter release, a video recording function, a background illumination switch and a light intensity control. Everything is on the unique shaped base of this slit lamp for ease of use. Still images and videos can be taken in one position.



L-0229-E-LED and L-0229-E feature the LED background illumination system which allows you to take clear and bright images of slit light. The light intensity of LED is set within the extent that does not give too much damage to human eyes. The light diffuser is useful when the full view of an eye is observed.

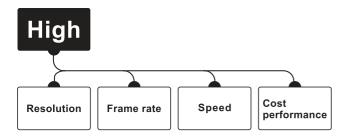




The unique function of L-0229-E-LED and L-0229-E called "S.I. GRANDE" enables you to optically change the illumination field up to 14mm by single click action. This is ideal for contact lens fitting observation. "S.I. GRANDE" is registered as Inami's patent.

5Mpixels USB3.0

L-0541DC-5
Digital Video camera Beam Splitter for Slit Lamp





The sony's finest 1/2.8" imaging sensor clearly captures eben subtle details of an eye obseved thanks to its 5M pixels resolution and distinguished sensitlvity.



The incomparable smoothness probided by 30fps frame rate assures the success in taking the most wanted moment during obserbation of parient's eye.



High speed data transfer of the newest serial bus USB3.0 assures astable connection between the camera and your PC, supplying necessary electricity.









■ Related products -

L-0541DC-12

Digital Video camera Beam Splitter for Slit Lamp



This high end model USB3.0 camera for slit lamp offers 12M pixels crisp images and 30fps smooth preview and movies.





Image sensor	IMX334ROI
Sensor type	CMOS, 1/2.8", Color, Rolling Shutter
Resolution	5M pixels (2592 x 1944)
Frame rate	30fps (Maximum performance)
Interface	USB 3.0 interface





"Pixel Filer" is an user-friendly filing application bundled with L-0541DC series cameras. The interface designed especially for clinical use allows user to take pictures and record movies intuitively. New functions such as "touch panel compatible" and "display function" have been added to the version 5.0 according to feedbacks from existing users of previous versions.

Specifications

	Standard / Option	L-0185-LED (LED) L-0185 (Halogen)	L-0187-LED (LED) L-0187 (Halogen)	L-0189-LED (LED) L-0189 (Halogen)	L-0240-LED (LED) L-0240 (Halogen)	L-0229-E-LED (LED L-0229-E (Halogen)
Microscope						
Туре		Greenough Type Stereoscopic Microscope	Convergent Type Binocular Microscope	Convergent Type Binocular Microscope	Convergent Type Binocular Microscope	Convergent Type Binocular Microscope
Magnification Changer		2 steps by changing knob	3 steps by drum rotation	5 steps by drum rotation	Continuous Zoom by drum rotation	5 steps by drum rotation
Stereo angle		13°	12°	12°	12°	12°
Eyepiece	Standard	10x	12.5x	12.5x	12.5x	12.5x
Magnification Ratio (Field of View)	Option	10x (20.13mm) 16x (16.13mm)	10x (28.5mm) 16x (14mm) 25x (7mm)	6x (38mm) 10x (24mm) 16x (15mm) 25x (9mm) 40x (6mm)	Continuous from 10x ~ 30x (22mm~8mm)	6x (38mm) 10x (24mm) 16x (15mm) 25x (9mm) 40x (6mm)
Pupilary Adjustment		52 - 90 mm	53 - 83 mm	53 - 83 mm	53 - 83 mm	53 - 83 mm
Focus Distance		100 mm	106 mm	106 mm	106 mm	106 mm
Diopter Adjustment		+ 8 to -8 diopters	+ 8 to -8 diopters	+ 8 to -8 diopters	+ 8 to -8 diopters	+ 8 to -8 diopters
Slit Illumination Slit Width		0 -10 mm	0 -10 mm	0 -10 mm	0 -10 mm	0 -14 mm
Ont Width		_	——————————————————————————————————————	—	—	0 -8 mm
Aportura Diameter		0.2.1.2.4.6.10 mm	0.2.1.2.4.6.10 mm	0.2.1.2.4.6.10	0.2.4.2.4.6.40 mm	(S.I. GRANDE position 2)
Aperture Diameter		0.2, 1, 3, 4, 6, 10 mm —	0.2, 1, 3, 4, 6, 10 mm	0.2, 1, 3, 4, 6, 10 mm —	0.2, 1, 3, 4, 6, 10 mm —	0.3, 1.4, 4.2, 5.5, 8.3, 14 mm 0.2, 0.8, 2.4, 3.2, 4.8, 8mm (S.I. GRANDE position 2)
Slit Length		0 -10 mm	0 -10 mm	0 -10 mm	0 -10 mm	0 -14 mm
		_	_	_	_	0 -8 mm (S.I. GRANDE position 2)
Slit Rotation		± 90°	± 90°	± 90°	± 90°	± 90°
Filters	Standard	Cobalt blue, Heat absorption, Red-free, 1/2 ND Built-in binoculars yellow filter	Cobalt blue, Heat absorption, Red-free, 1/2 ND	Cobalt blue, Heat absorption, Red-free, 1/2 ND	Cobalt blue, Heat absorption, Red-free, 1/2 ND	Cobalt blue, Heat absorption, Red-free, 1/2 ND, Yellow
	Option	UV, IR, 1/10 ND etc. (To be replaced with standard filters)	UV, IR, 1/10 ND etc. (To be replaced with standard filters) Built-in binoculars yellow filter (YF-57)	UV, IR, 1/10 ND etc. (To be replaced with standard filters) Built-in binoculars yellow filter (YF-57)	UV, IR, 1/10 ND etc. (To be replaced with standard filters) Built-in binoculars yellow filter (YF-57)	UV, IR, 1/10 ND etc. (To be replaced with standard filters Built-in binoculars yellow filter (YF-57)
Slit Inclination		5° 10° 15° 20°	5° 10° 15° 20°	5° 10° 15° 20°	5° 10° 15° 20°	5° 10° 15° 20°
Light Source		LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)	LED: 14VDC 1A Halogen: Lamp bulb 12V/50W (L0160H1)
Max. intensity (Lux)		LED: 350,000Lux Halogen: 350,000Lux	LED: 350,000Lux Halogen: 350,000Lux	LED: 350,000Lux Halogen: 350,000Lux	LED: 350,000Lux Halogen: 350,000Lux	LED: 400,000Lux Halogen: 350,000Lux
Background Illumination						
Light Source		_	_	_	_	15VDC 0.1A
Base						
Vertical Movement		30 mm	30 mm	30 mm	30 mm	30 mm
Longitudinal Movement		103 mm	103 mm	103 mm	103 mm	103 mm
Lateral Movement		115 mm	115 mm	115 mm	115 mm	115 mm
Fine Base Movement		± 10 mm	± 10 mm	± 10 mm	± 10 mm	± 10 mm
Colour selectable base		Selectable	Selectable	Selectable	Selectable	_
Chinrest						
Vertical Movement		75 mm	75 mm	75 mm	75 mm	75 mm
Fixation Target		LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)	LED: LED 3V 0.01A (Option)
Input Voltage		AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz	AC100, 120V, 220V, 240V 50/60Hz
Power Consumption		LED: 25VA	LED: 25VA	LED: 25VA	LED: 25VA	LED: 25VA
Size & Weight (Without table top)		Halogen: 65VA	Halogen: 65VA	Halogen: 65VA	Halogen: 65VA	Halogen: 80VA
Weight		18.5 Kgs	18.5 Kgs	18.5 Kgs	18.5 Kgs	23 Kgs
Dimension		LED: 550(W)x400(D)x660(H) mm Halogen: 550(W)x400(D)x690(H) mm	LED: 550(W)x400(D)x660(H) mm Halogen: 550(W)x400(D)x690(H) mm	LED: 550(W)x400(D)x660(H) mm Halogen: 550(W)x400(D)x690(H) mm	LED: 550(W)x400(D)x660(H) mm Halogen: 550(W)x400(D)x690(H) mm	LED: 550(W)x400(D)x660(H) mm Halogen: 550(W)x400(D)x690(H) mm

Optional accessories

			Compatibil	ity			
	Code	Description	L-0185 ○LED ● Halog	L-0187 en OLED Halo	L-0189	L-0240 gen OLED Haloge	L-0229-E
	136A-3080	Patient's hand grip	0	0			0
1	L-1-0100	Hruby Lens	0			0	0
Î	OCL-002	Eyepiece 16 X	0				
	L-5110	Applanation tonometer Swing arm type	0				
	L-5130	Applanation tonometer Plate type	0	0			
	YF-57	Built-in yellow filter	Equipped	0			0
	L-0541	Beam splitter device		0			0
	L-0543	Camera adaptor with mount		0			
	L-0568-231S2-N L-0568-231S2-P	Analogue CCD camera 480 TV lines (NTS Analogue CCD camera 480 TV lines (PAL)		0			0
P	L-0554	Video camera adaptor with C-mount (f=70)	mm)	0			
1	L-0542	Observation tube Monocular					
A STATE OF THE PARTY OF THE PAR	L-0542-CB	Assistant binocular microscope					
	L-0541DC-1.3 L-0541DC-3.2	Digital video camera beam splitter Digital video camera beam splitter					0
	Z0023	External LED Background illumina	ation	0			Equippe
	L-0541DC-FR	Foot remote controller for L-05410	DC-1.3	0			0
	136A-3652	Doctor's hand rest	0	0			0
1	Z0070	Built-in C-mount unit with camera *Please select digital camera (1.3M, w/filing software) or	analogue CCD				
	L-01R2	External LED fixation target	0	0			
	L-02LM	180 degree inclinable binoculars a	adapter				
	•	B External LED fixation target B External LED background illumination Applanation tonometer Swing arm type B Eyepiece 16 X	Built in vallous files		- 8 Camera adapto Observation tul Monocular Assistant binoc	be	
		Built-in C-mount with camera 1 Hruby Lens	 6 Built-in yellow filter 7 Beam splitter device - Digital video camera 		microscope	adaptor with C-mount —	9 CCD ca

Standard accessories

Focusing rod, Chin rest paper (100 sheets), Dust cover, Cap for focusing rod hole, Fuse, Light bulb, Breath shield, Gear rack cover, Hexagon wrench (2 sizes), Fixation lamp bulb (Halogen type slit lamp only), Cap for objective lens, Eyepiece rubber, Operation manual (English)

Designs and specifications are subject to change.

Digital video camera beam splitter

180 degrees inclinable adaptor



Applanation tonometer
 Plate arm type

16 Doctor's hand rest1 Patient's hand grip





Foot remote controller for L-0541DC series digital video camera beam splitter