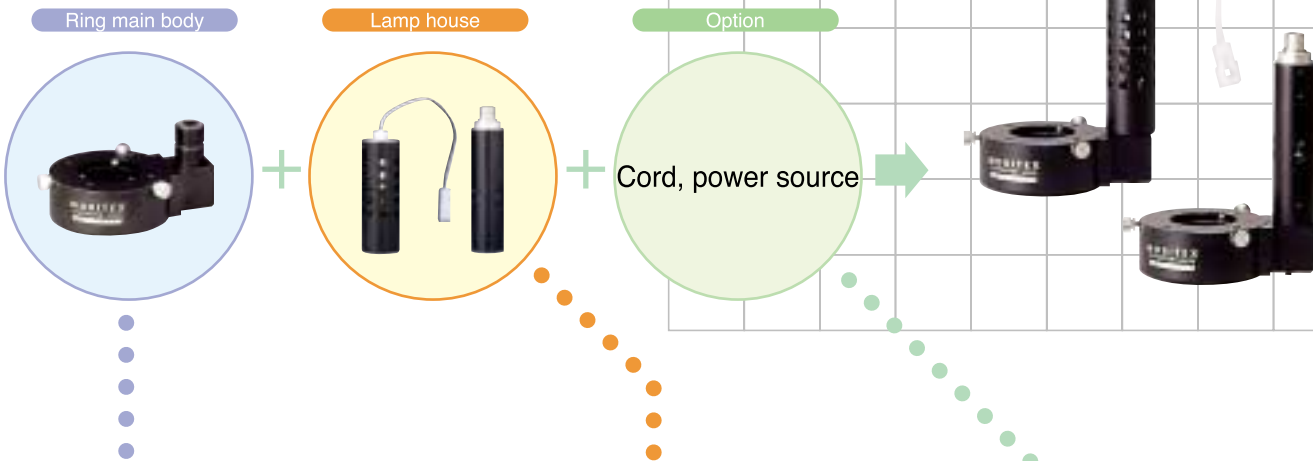


## Robotic Ring Light Guides

Robotic ring light guides are units which incorporate a ring light and light source (tungsten lamp, halogen lamp). Since there is no unwieldy fiber section, these light guides are the optimal illumination source to use for movable parts of machines such as robots and X-Y automated tables.

### System configuration



**MRG-L31**  
**MRG-L48**  
**MRG-L61**

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
<b>MRG-L31</b>	ø 31 <sup>±0.1</sup>	ø 60	M41 x P0.5	10°	ø 45
<b>MRG-L48</b>	ø 48 <sup>±0.1</sup>	ø 75	M60 x P0.5	15°	ø 60
<b>MRG-L61</b>	ø 61 <sup>±0.1</sup>	ø 90	M70 x P0.5	15°	ø 76

**MZ-01** Halogen lamp type

**MZ-02** Tungsten lamp type

**Cords** Made to order

Model	L (mm)	Remarks
<b>MC-01</b>	2000	With a double-end connector, for tungsten
<b>MC-02</b>	5000	With a double-end connector, for tungsten
<b>MC-03</b>	2000	With a single-end connector, for tungsten
<b>MC-04</b>	5000	With a single-end connector, for tungsten
<b>MC-05</b>	2000	With a single-end connector, for halogen
<b>MC-06</b>	5000	With a single-end connector, for halogen

**Holder with a lamp**

Model	Lamp	Specification	Color temperature	Average life	Remarks
<b>MH-01</b>	Halogen	10V-1.8A	2,950° K	3,000Hr	Soldering is unnecessary. For MRG-□□H 998079-14
<b>MH-02</b>	Tungsten	5V-1A	2,600° K	5,000Hr	Soldering is unnecessary. For MRG-□□T L-8503

\* Average life may differ according to conditions the products are used under.  
\* Spare lamps are sold separately. [Model: MR-01 (halogen), MR-02 (tungsten)]

**Connect tube**

Model	Remarks
<b>MT-01</b>	Can be used with all products.

Tolerance +0.1/+0.02  
Can be used with conventional MHF series halogen type light sources.

**Power source**

Halogen lamp power source			Tungsten lamp power source		
<b>K-10-1</b>			<b>K-5</b>		
Input	Voltage	AC85 to 132V	Input	Voltage	AC85 to 132V
Output	Rated voltage (V)	9.7V	Output	Rated voltage (V)	5V
	Rated current (V)	3.3A		Rated current (V)	2.0A
	Input fluctuation (mv)	72max		Input fluctuation (mv)	20max
	Load fluctuation (mv)	100max		Load fluctuation (mv)	40max
	Ripple (mcp-p)	50max		Ripple (mcp-p)	80max
			Output voltage adjustable range		± 10%

■ Halogen lamp power source **K-10-1**

■ Tungsten lamp power source **K-5**

\* Please note that the lamp may be disconnected when it is used with a machine that greatly vibrates.

\* Please purchase the ring main body, lamp house, and option separately. (Please assemble by yourself.)