

- FIBER SENSORS
- LASER SENSORS
- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- LIGHT CURTAINS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE-SAVING UNITS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC CONTROL DEVICES
- ENDOSCOPE
- LASER MARKERS
- PLC / TERMINALS
- HUMAN MACHINE INTERFACES
- ENERGY CONSUMPTION VISUALIZATION COMPONENTS
- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS**
- Selection Guide
- LED Spot Type
- Lamp Spot Type



Features

- User-friendly simple interface
- Temperature feedback for stable irradiation
- Capable of auto-tuning of intensity with a slim UV sensor (UJ35 only)
- Four individually controllable heads
- Reliable 3-year warranty

panasonic-electric-works.net/sunx

Easy operation and high irradiation performance

Ideal for a variety of fixing / bonding

APPLICATIONS EXAMPLES

Digital home appliances
Bonding of lenses to optical pickup heads for personal computers

Bonding edges of pickup head lenses

LCD
LCD board terminals

Sealing the joint between the board and LCD

Medical equipment
Bonding of syringe needles

Bonding injection needles to hubs (bases)

Digital home appliances
Bonding camera lenses to optical tubes for digital cameras, mobile phones

Bonding camera lenses to optical tubes

Bonding from below

Printing / Marking
Curing ink on labels / stickers

Curing ink

Electronic components
Curing printing ink on electronic components

Sealing degassing holes

Drying part/lot number printing ink

UJ30/35

Two controller selections for you applications

Standard model

UJ30

Limited to most necessary and sufficient functions provides highly reliable UV irradiation.



High performance model

UJ35

A variety of functions will provide more advanced UV irradiation solution.



User-friendly

Easy-to-read display and easy-to-operate panel are as simple to use as a home appliance.

Stable irradiation

The LED head incorporates a temperature sensor. The temperature feedback control (available only from Panasonic) provides excellent irradiation stability.

Only
Panasonic

Four-head irradiation

Different irradiation power and time can be set for each LED head attached to the controller. Both "all" and "individual" UV irradiation modes are available for synchronized or non-synchronized irradiation.

Compact size

It's compactness measures 80 mm **3.150 in** width, 125 mm **4.921 in** height, and 140 mm **5.512 in** depth. It could fit into any small space.

Smallest
in class

External control

UV irradiation can be externally controlled using the parallel I/O, enabling automatic control suitable for production lines.

UV irradiation operation can be externally controlled using the parallel I/O or the RS232C port, enabling automatic control suitable for production lines.

UV sensor

————

Irradiation intensity measurement and calibration can be done at the actual production line easily using the slim UV sensor.

Only
Panasonic

Programmable irradiation

————

The programmable irradiation capability helps prevent curing distortion and enable high-quality precision bonding at a lower temperature increase.

Multiple setting profiles

————

Up to eight different irradiation patterns can be saved.

UJ35 software*

————

Free downloadable software available from our website for easy PC operation. Software will allow you to operate the unit from a PC. Also allows you to save irradiation programs. Japanese, English, Chinese and Korean languages available.

Free
software

Global 3-year warranty

Guaranteed for three years from date of purchase (controller only). For details, please visit <http://panasonic-denko.co.jp/ac/e/fasys/warranty/index.jsp>

Only
Panasonic

* Downloadable from the following URL: <http://panasonic-denko.co.jp/ac/e/fasys/uv/led/uj30-uj35/index.jsp>

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UJ30/35

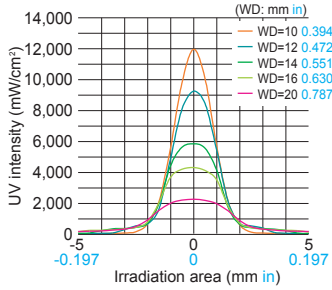
LENS DATA (TYPICAL CHARACTERISTICS)

Standard lens

High intensity head (ANUJ6170, ANUJ6171)

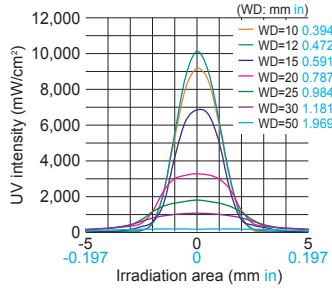
ANUJ6423

(ø3 mm ø0.118 in)



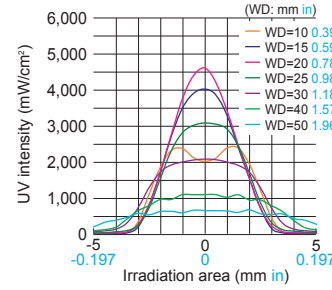
ANUJ6424

(ø4 mm ø0.157 in)



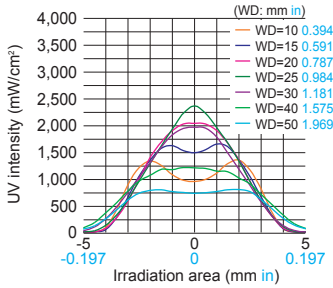
ANUJ6426

(ø6 mm ø0.236 in)



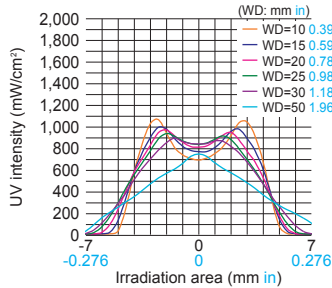
ANUJ6428

(ø8 mm ø0.315 in)



ANUJ6420

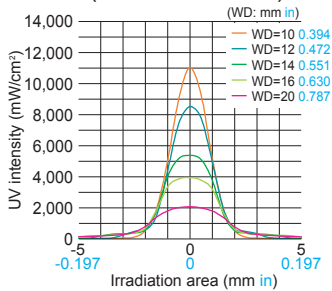
(ø10 mm ø0.394 in)



Standard head (ANUJ6172, ANUJ6173)

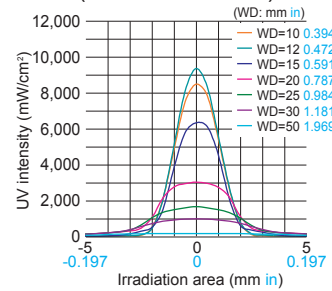
ANUJ6423

(ø3 mm ø0.118 in)



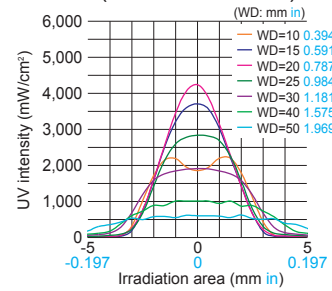
ANUJ6424

(ø4 mm ø0.157 in)



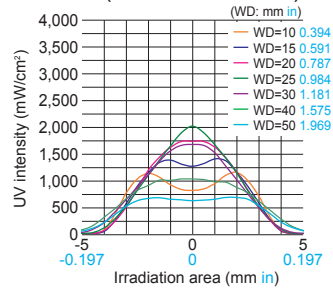
ANUJ6426

(ø6 mm ø0.236 in)



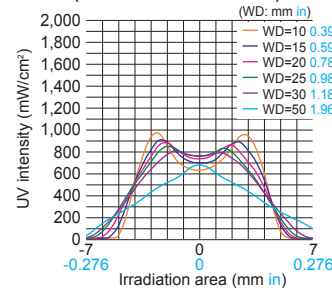
ANUJ6428

(ø8 mm ø0.315 in)



ANUJ6420

(ø10 mm ø0.394 in)



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UV CURING SYSTEMS

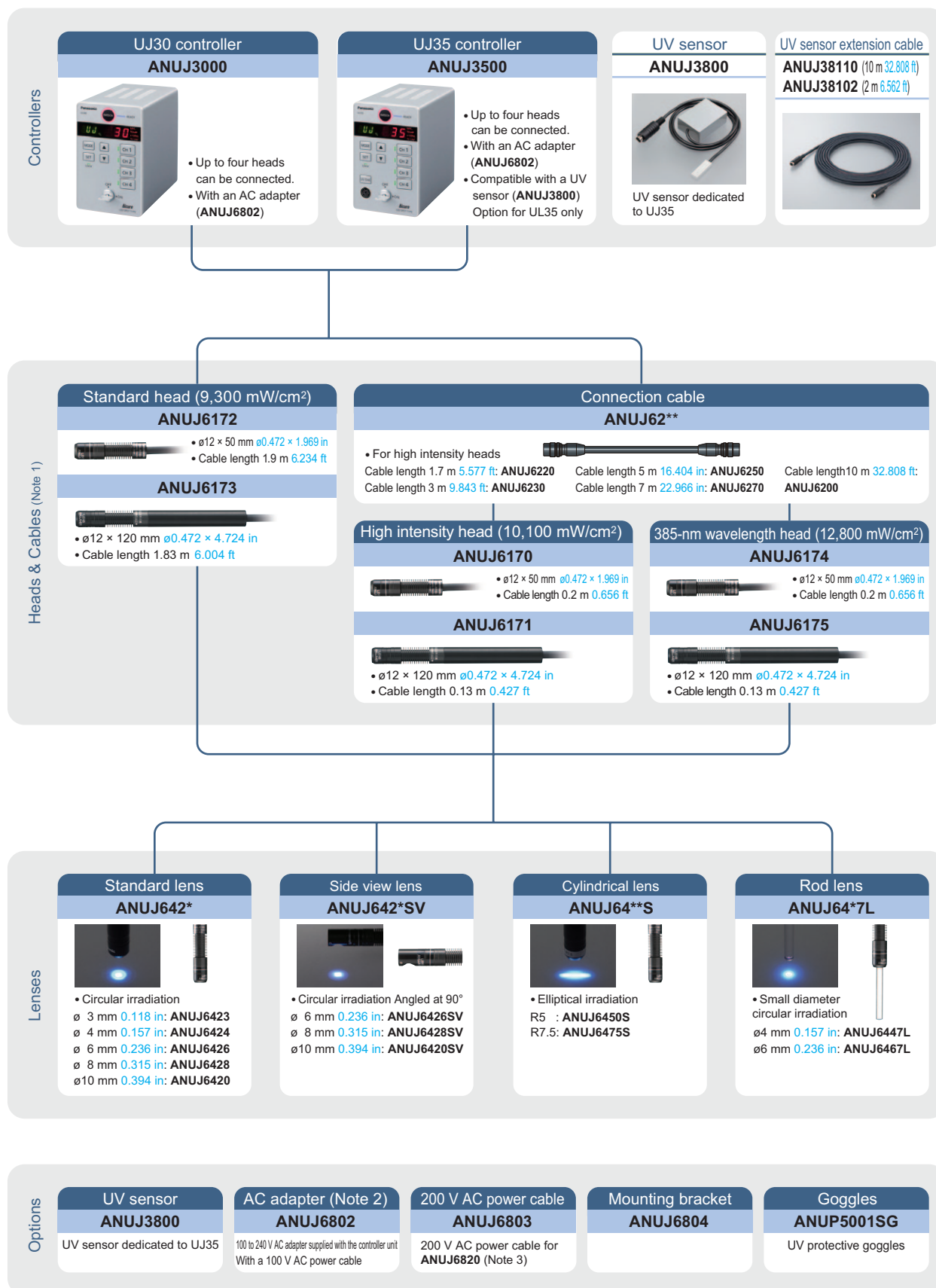
Selection Guide

LED Spot Type

Lamp Spot Type

UJ30/35

PRODUCT LINEUP



Notes: 1) The head does not come with a lens.
 2) The **ANUJ6802** AC adapter is supplied with the controller unit. The **ANUJ6802** AC adapter is compatible with 100 to 240 V AC; however, the primary-side power cable is compatible with 100 V AC only.
 For use in a 200 V AC region, purchase the **ANUJ6803** primary-side power cable (for 200 V AC) separately.
 3) For China only

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UJ30/35

SPECIFICATIONS

Controllers

		UJ30 (Standard model)	UJ35 (High performance model)
Part No.		ANUJ3000	ANUJ3500
Connectable heads		1 to 4 heads	
UV sensor		Not compatible	Compatible (Dedicated to UJ35)
UV irradiation		One pattern in simple mode. The heads are either collectively or individually controlled.	One pattern in simple mode and programmed irradiation (Up to 7 patterns with up to 10 steps). The heads are either collectively or individually controlled.
Type switching		None (1 type)	Switchable (8 types)
Intensity/irradiation control		Digital intensity and irradiation control manual/timer control (0.1 to 99.9, 100 to 999 sec) Calibration function using the optional dedicated sensor (UJ35 only)	
Setting/Operation		Setting by the operation switches and power-on/off by a key switch	Setting by the operation switches and power-on/off by a key switch RS232C (UJ35 setup tool)
Display		7-segment display	
Cooling method		Natural cooling (without a fan)	
External control	Method	Parallel I/O	RS232C Parallel I/O
	External input	Individual irradiation/stop input, interlock, full-irradiation input, and pattern switching	
	External output	READY signal, error signal, warning output, BUSY output (each head separately), and +5 V output (for indicators)	
Operating voltage		Supplied AC adapter: 100 to 240 V AC (±10 %), 50/60 Hz, 60 VA (at 100 V AC)	
Operating temperature and humidity		0 to +35 °C 0 to +95 °F , 30 to 85% RH (No condensation at +25 °C +77 °F)	
Storage temperature and humidity		-10 to +60 °C +14 to +140 °F , 30 to 85% RH (No condensation at +25 °C +77 °F)	
Accessories		AC adapter, key and User's manual	
Weight		Approx. 1,290 g (Controller: 940 g, AC adapter: 350 g)	Approx. 1,310 g (Controller: 960 g, AC adapter: 350 g)

Heads

Standard head (Note 1)	Part No.		ANUJ6172 ANUJ6173				
	Cable length		1.9 m 6.234 ft (ANUJ6172) , 1.83 m 6.004 ft (ANUJ6173) Directly connectable to the controller				
	Compatible lens	Spot diameter	ø3 mm ø0.118 in	ø4 mm ø0.157 in	ø6 mm ø0.236 in	ø8 mm ø0.315 in	ø10 mm ø0.394 in
		Lens part No.	ANUJ6423	ANUJ6424	ANUJ6426	ANUJ6428	ANUJ6420
	UV intensity (mW/cm ²) (Note 2)		9,300	7,900	3,600	1,700	640
	Irradiation distance		10 mm 0.394 in	12 mm 0.472 in	20 mm 0.787 in	25 mm 0.984 in	30 mm 1.181 in
High intensity head	Part No.		ANUJ6170 ANUJ6171				
	Cable length		0.2 m 0.656 ft (ANUJ6170) , 0.13 m 0.427 ft (ANUJ6171) A connection cable (1.7 m/3 m/5 m/7 m/10 m/5.577 ft/9.843 ft/16.404 ft/22.966 ft/32.808 ft) is required for connection to the controller.				
	Compatible lens	Spot diameter	ø3 mm ø0.118 in	ø4 mm ø0.157 in	ø6 mm ø0.236 in	ø8 mm ø0.315 in	ø10 mm ø0.394 in
		Lens part No.	ANUJ6423	ANUJ6424	ANUJ6426	ANUJ6428	ANUJ6420
	UV intensity (mW/cm ²) (Note 2)		10,100	8,600	3,900	2,000	710
	Irradiation distance		10 mm 0.394 in	12 mm 0.472 in	20 mm 0.787 in	25 mm 0.984 in	30 mm 1.181 in
385-nm wavelength head	Part No.		ANUJ6174 ANUJ6175				
	Cable length		0.2 m 0.656 ft (ANUJ6174) , 0.13 m 0.427 ft (ANUJ6175) A connection cable (1.7 m/3 m/5 m/7 m/10 m/5.577 ft/9.843 ft/16.404 ft/22.966 ft/32.808 ft) is required for connection to the controller.				
	Compatible lens	Spot diameter	ø3 mm ø0.118 in	ø4 mm ø0.157 in	ø6 mm ø0.236 in	ø8 mm ø0.315 in	ø10 mm ø0.394 in
		Lens part No.	ANUJ6423	ANUJ6424	ANUJ6426	ANUJ6428	ANUJ6420
	UV intensity (mW/cm ²) (Note 2)		12,800	10,300	4,900	2,600	870
	Irradiation distance		10 mm 0.394 in	12 mm 0.472 in	20 mm 0.787 in	25 mm 0.984 in	30 mm 1.181 in
Common item	Light source		Class 3B LED product				
	Estimated lamp life (Note 3)		20,000 hours (When the temperature of the LED in the head is +60 °C +140 °F or less.)				
	Operating temperature and humidity		+5 to +35 °C +41 to +95 °F 30 to 85% RH (No condensation at +25 °C +77 °F)				
	Storage temperature and humidity		-10 to +60 °C +14 to +140 °F 30 to 85% RH (No condensation at +25 °C +77 °F)				

Notes: 1) The cable for standard heads is supplied in a fixed length.

2) When being fixed to the mounting bracket, the ambient temperature is +25 °C **+77 °F**, and the intensity is set to 100 % (initial value).

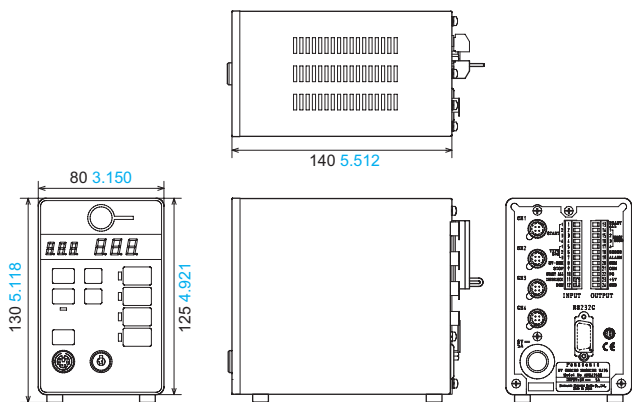
3) Not a guaranteed value.

DIMENSIONS (Unit: mm in)

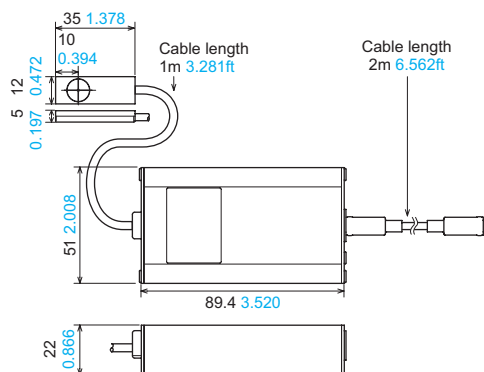
The CAD data in the dimensions can be downloaded from our website.

ANUJ3500 UJ35 controller

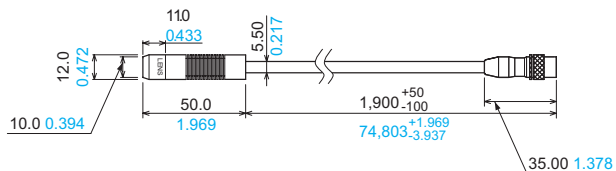
Weight: Approx. 1,310 g



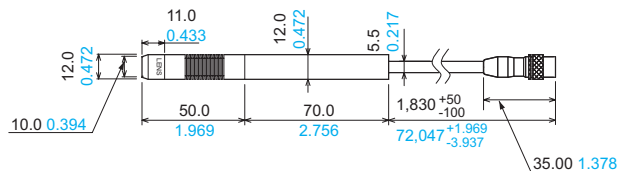
ANUJ3800 UV sensor



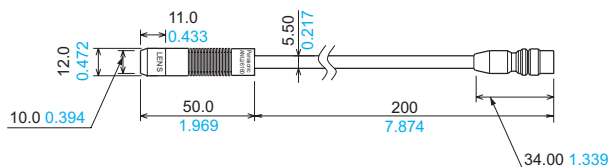
ANUJ6172 Head



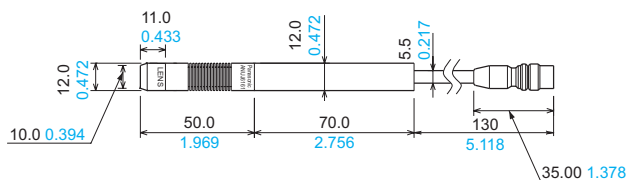
ANUJ6173 Head



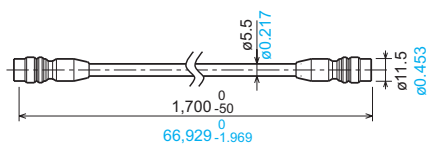
ANUJ6170/6174 Head



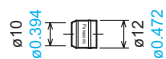
ANUJ6171/6175 Head



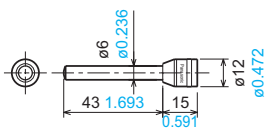
ANUJ6220 Connection cable



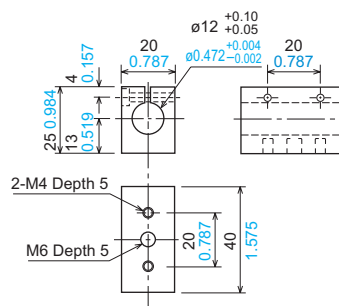
Standard Cylindrical lens



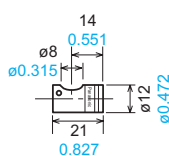
ANUJ6467L Rod lens



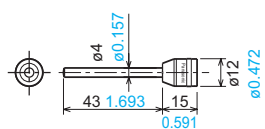
ANUJ6804 Metal head attachment



Side Side view lens



ANUJ6447L Rod lens



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