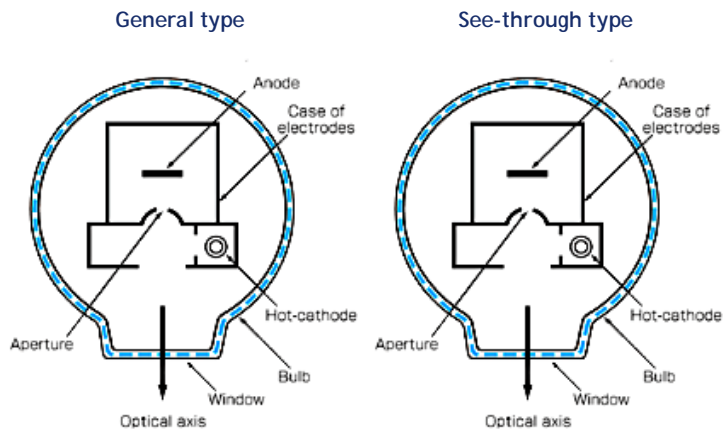
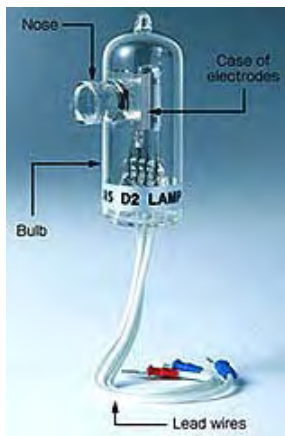


# DEUTERIUM LAMP (D2 LAMP)

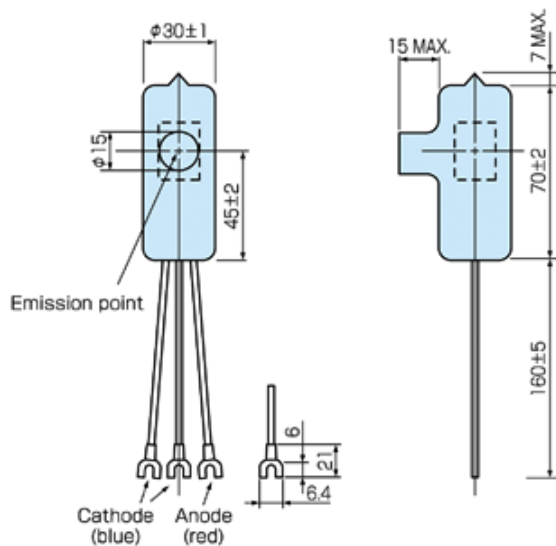


## Nose type (synthetic quartz)



Type:  
5201, 5211, 5601,  
5611, 2201, 2211,  
2601, 2611

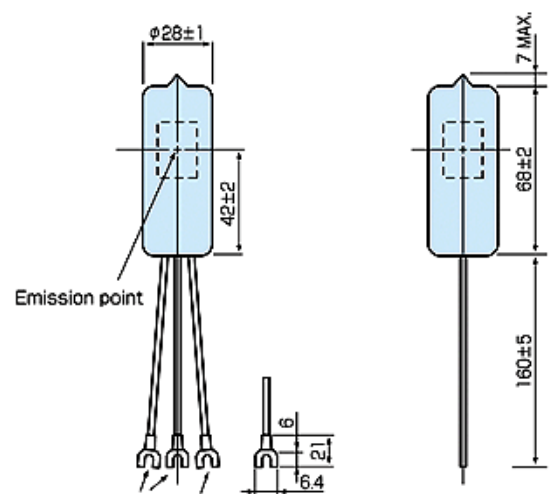
- The window is a flat plane, and uniform transmittance can be obtained.
- The window does not become dirty easily, and the light emission does not decrease easily.



## Straight type (UV transmission glass)



Type:  
6201, 6211, 6601,  
6611, 3201, 3211,  
3601, 3611, 2601,  
2611



[Characteristics]

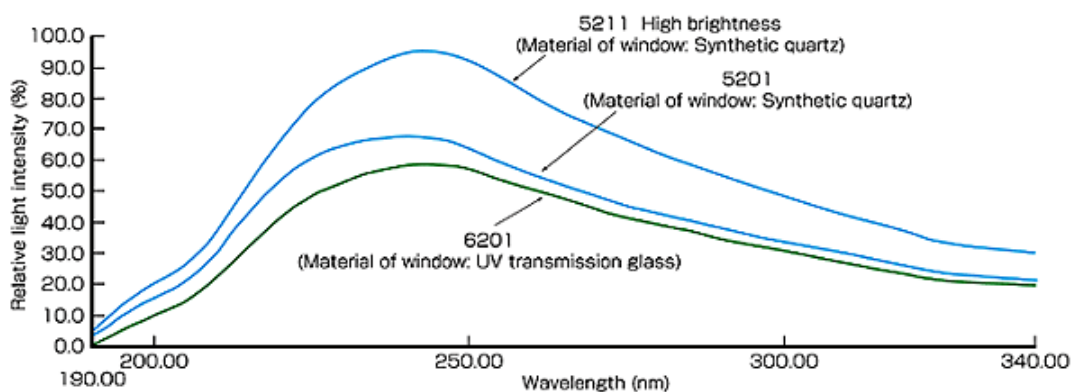
Structure of electrode General use type

Type	Wave-length (nm)	Heater		Material of window	Brightness	Discharge starting voltage (V dc)	Discharge maintaining voltage (V dc)	Rated current (mA dc)	Output variation *		Average life (h)
		Voltage (V dc)	Current (A dc)						Drift	Fluctuation	
5201	160 ~400	10 →7	0.8 →0.5	Synthetic quartz	Standard	350	65-90	300	±0.5%/h	0.1%p-p	2000
5211	160 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000
6201	185 ~400			UV transmission glass	Standard	350	65-90	300	±0.5%/h	0.1%p-p	2000
6211	185 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000
5601	160 ~400	2.5 →1	4 →1.8	Synthetic quartz	Standard	350	65-90	300	±0.5%/h	0.1%p-p	2000
5611	160 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000
6601	185 ~400			UV transmission glass	Standard	350	65-90	300	±0.5%/h	0.1%p-p	2000
6611	185 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000

Structure of electrode See-through type

Type	Wave-length (nm)	Heater		Material of window	Brightness	Discharge starting voltage (V dc)	Discharge maintaining voltage (V dc)	Rated current (mA dc)	Output variation *		Average life (h)
		Voltage (V dc)	Current (A dc)						Drift	Fluctuation	
2201	160 ~400	10 →7	0.8 →0.5	Synthetic quartz	Standard	350	65-90	300	±0.5%/h	0.1%p-p	1000
2211	160 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000
3201	185 ~400			UV transmission glass	Standard	350	65-90	300	±0.5%/h	0.1%p-p	1000
3211	185 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000
2601	160 ~400	2.5 →1	4 →1.8	Synthetic quartz	Standard	350	65-90	300	±0.5%/h	0.1%p-p	1000
2611	160 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000
3601	185 ~400			UV transmission glass	Standard	350	65-90	300	±0.5%/h	0.1%p-p	1000
3611	185 ~400				High	400	70-95	300	±0.5%/h	0.1%p-p	1000

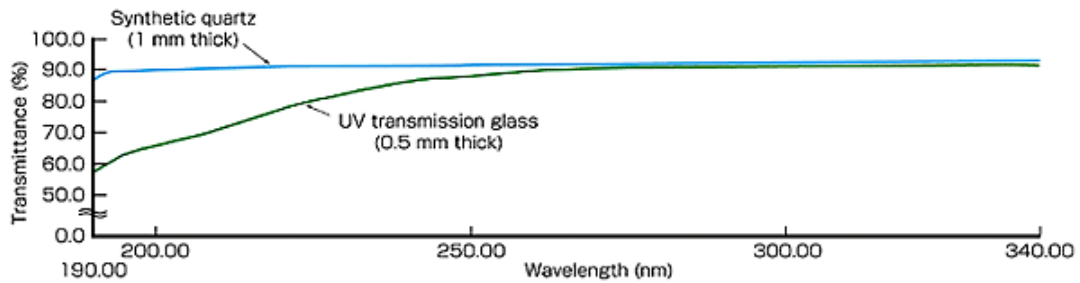
[Spectral characteristics]



- Synthetic quartz: Transmission of ultraviolet rays is high. Durability against ultraviolet rays is outstanding.
- UV transmission glass: Since less ozone is generated compared with synthetic quartz, no measures against ozone are necessary.

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#### [Transmittance of Materials for Window]



#### Guarantee period of a Lamp

A lamp is guaranteed for 1 year from its delivery date.

#### Cautions on using Lamps

1. While lit, harmful ultraviolet rays are generated. Do not look at the lamp directly without protective glasses, nor expose your body to the ultraviolet rays.
2. While lit or just after turning off, the lamp is very hot (higher than 200°C). Do not touch the lamp directly.
3. Dirty window of the lamp decreases transmission of the ultraviolet rays. If dirty, wipe the window with a clear cloth moistened with alcohol.
4. High voltage is applied to start the lamp. Be careful about electric shock hazard.
5. Do not fix the lamp by holding the nose part because it breaks easily.

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