

● Part Numbering System

S S 18C 3105 E4 3 85 C 290 290 0 S

Lamp shape
S: Straight
U: U shape

Specifications
S: Standard
V: UV Cut Glass

Diameter and thickness of lamp
Diameter Thickness of lamp
18: ϕ 1.8 A: 0.10 F: 0.35
 B: 0.15 G: 0.40
 C: 0.20 H: 0.45
 D: 0.25 J: 0.50
 E: 0.30

Lamp length
3105: 310.5mm
10100: 1010.0mm
The length of the U-shape lamp is the bending length.

Ar ratio
3: 3%
5: 5%
A: 10%

Measuring equipment
Non: Measured value of BM-7
S: Measured value of SR-3

Lamp assy type
0: Without harness
□: With harness

Chromaticity y (Sanken value)
290: 0.290

Chromaticity x (Sanken value)
290: 0.290

Phosphor	red	green	blue
	A	611nm (Y20)	544nm (LAP)
B	611nm (Y20)	544nm (LAP)	450nm (BAM)
C	611nm (Y20)	544nm (LAP)	450nm (New BAM)
D	611nm (Y20)	544nm (LAP)	450nm (New BAM: coat)
E	611nm (Y20)	515nm (BAM)	450nm (New BAM: coat)
F	620nm (YPV)	515nm (BAM)	450nm (New BAM: coat)
G	658nm (MGO) + 611nm (Y20)	544nm (LAP)	450nm (New BAM: coat)

Electrode (type in alphabet, length in numeral)

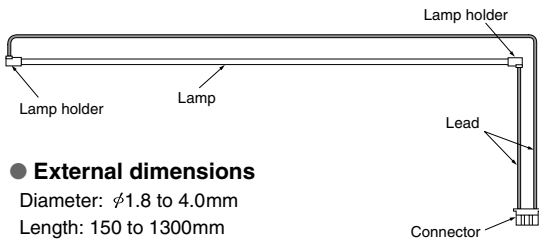
Electrode type	Electrode length
E: Niobium cup electrode	4: 4mm
N: Nickel cup electrode	6: 6mm
	8: 8mm

Gas pressure (in numeral and alphabet)
When the Torr value has two digits, the said value is indicated.
When the Torr value has three digits, the values are as described below.
1Torr = 133kPa

A0: 100Torr	D0: 130Torr	G0: 160Torr	K0: 190Torr
B0: 110Torr	E0: 140Torr	H0: 170Torr	L0: 200Torr
C0: 120Torr	F0: 150Torr	J0: 180Torr	

The above data are the result of measurement under the following condition: straight lamp, standard specifications, 1.8mm diameter, 0.2 mm thickness, 310.5 mm lamp length, Nb4mm electrode, and 3% Ar ratio, Gas pressure 85 Torr, new BAM Blue phosphor, chromaticity x=0.290, y=0.290, without harness, and measured by SR-3

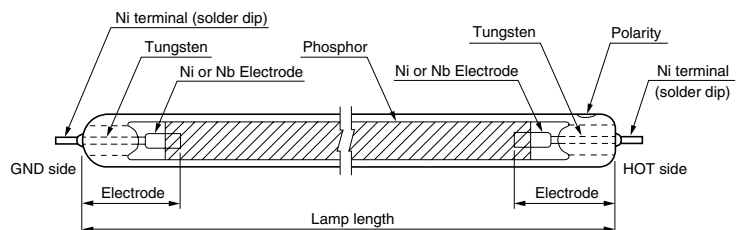
● Outline and Schematic Drawings



● External dimensions

Diameter: ϕ 1.8 to 4.0mm
Length: 150 to 1300mm

The product is manufactured with the above combination.
For lamp length other than the above, please consult with us.



● Outer lead:

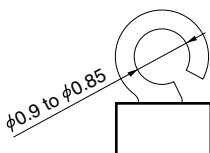
For an outer lead, the ϕ 0.8 nickel (Ni) terminal is pre-soldered. The terminal length is normally 1.5 to 2 mm, but desired length is available.

It is to be noted that the nickel terminal cannot be bent like a

Jumet wire.

For soldering, it is recommended that the core of the lead is formed in ring shape as shown in the drawing and this ring is inserted into the nickel terminal.

Example of lead connection



Example of soldering

