

INSTALL

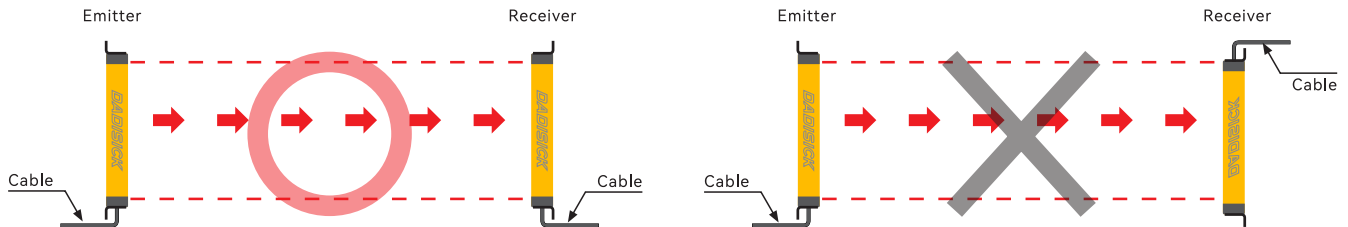


WARNING

Before installation, please open the packing box first, check the packed components according to the packing list, and turn off the power supply of the machine tool at the beginning of installation to avoid danger.

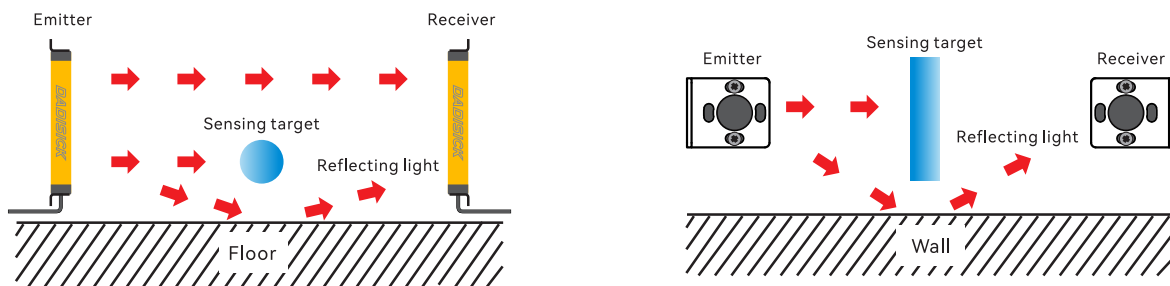
1、Installation direction

The installation direction of the light emitting device and the light receiving device should be consistent.



2、Reflection from the ground and walls

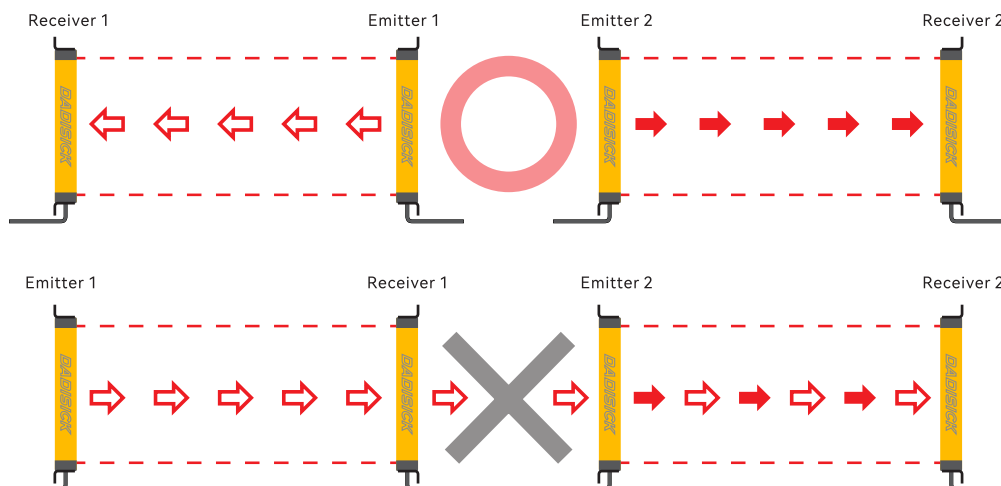
When installing it as below, the light reflected from the surface of wall and flat is not shaded. Please check whether it operates normally or not with a sensing target before using. (interval distance: ≥ 0.5 m)

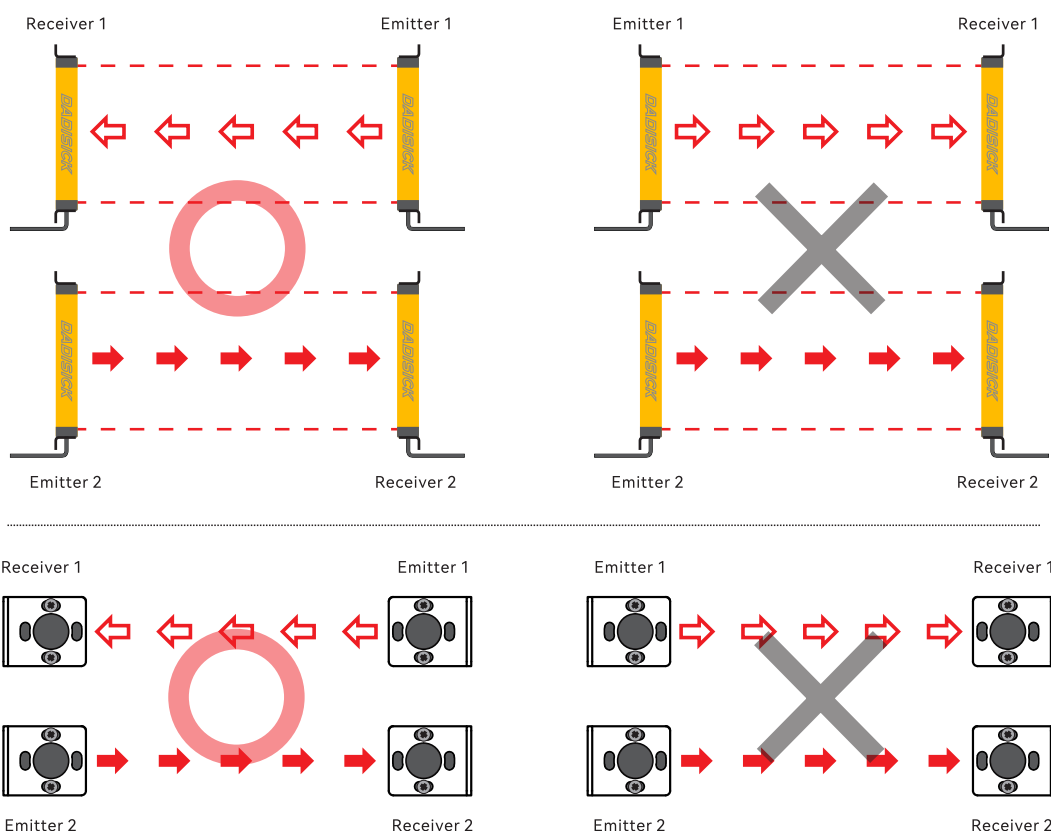


3、For protection of interference

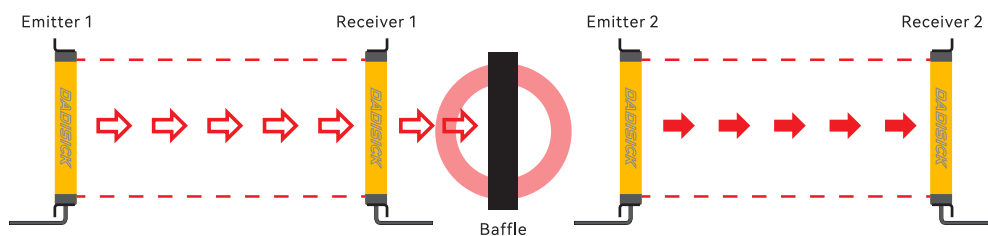
It may cause interference when installing more than 2 sets of the sensor. In order to avoid the interference of the sensor, please install as following figures and use the transmitted light frequency changing function.

- Transmission direction should be opposite between 2 sets.



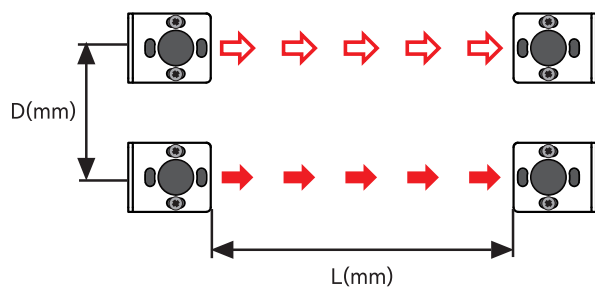


- Baffle should be installed between 2 sets.



- Interval distance adjustment:

- ① Depending on the environment, it may vary;
- ② Do not use it directly under high-speed and high-frequency fluorescent lamps.



L (sensing distance)	L (installation allowable distance)
0.1~1m	$\geq 0.1\text{m}$
$\geq 1\text{m}$	$\geq 0.2\text{m}$

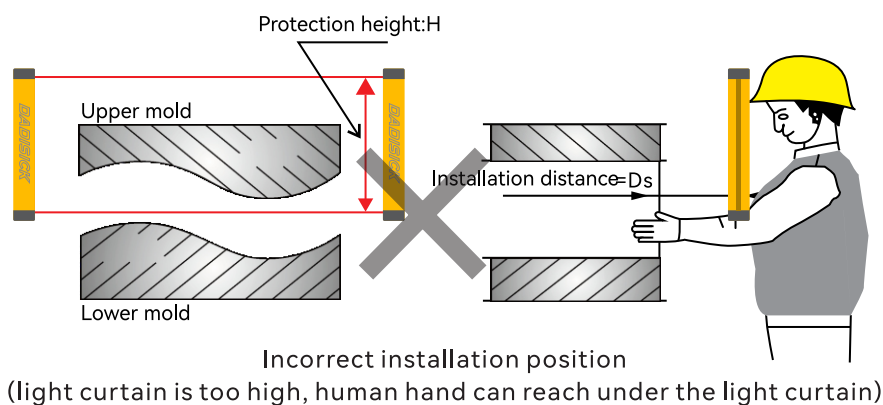
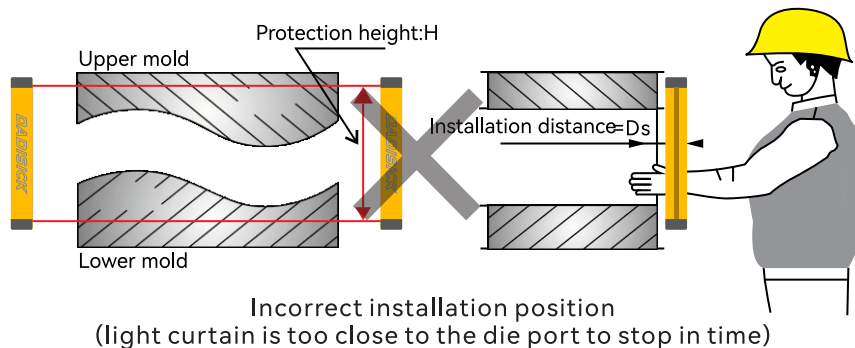
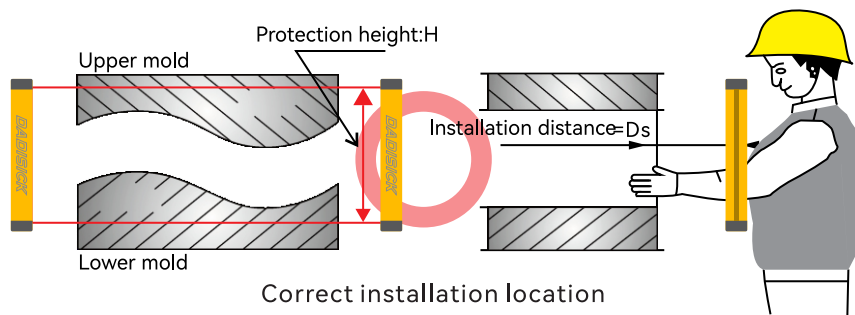
! WARNING

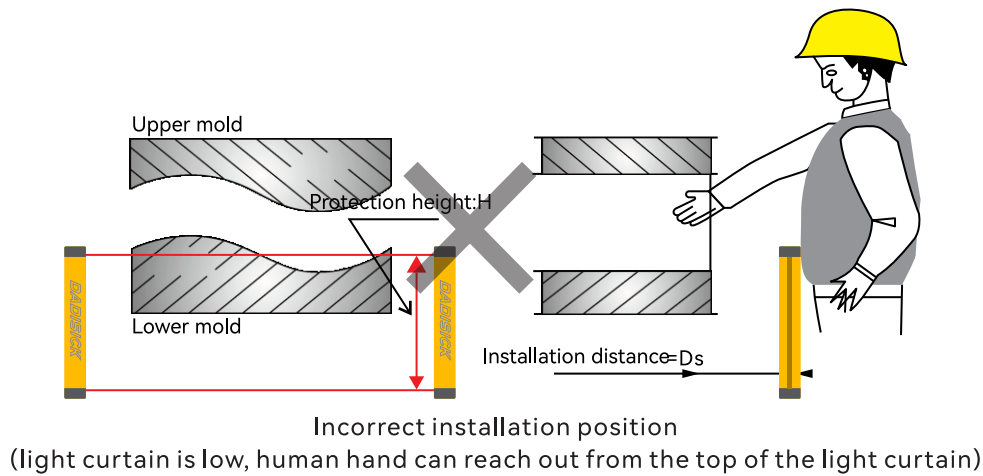
Safety distance is one of the necessary conditions to ensure that the photoelectric protection device realizes the protection function, the safety distance must be calculated correctly, and the safety distance must be ensured during installation!

1、the determination of height position

The height position refers to the position of the light curtain of the photoelectric protection device relative to the upper and lower die ports of the machine tool, that is, under the premise of ensuring a safe distance, the lowest beam of light of the photoelectric protection device shall not be higher than the lower edge of the lower die mouth, and the top beam of light shall not be lower than the upper edge of the upper die port.

This involves the selection of the protection height of the photoelectric protection device
 Protection height \geq machine slide stroke + adjustment amount





WARNING

- A. The height position is one of the necessary conditions to ensure that the photoelectric protection device realizes the protection function, and the height position must be ensured correctly during installation.
- B. If the mold is replaced during use, the safety distance and height position must be readjusted according to the above two requirements.

2. Setting of auxiliary protective measures

When the horizontal distance between the light curtain plane of the photoelectric protection device and the front end of the mold base exceeds 400mm, auxiliary photoelectric or protective fences should be installed to prevent the operator's body from entering the inside of the light curtain plane. When it is less than 400mm, safety measures such as auxiliary photoelectric or protective fence can also be taken.

