

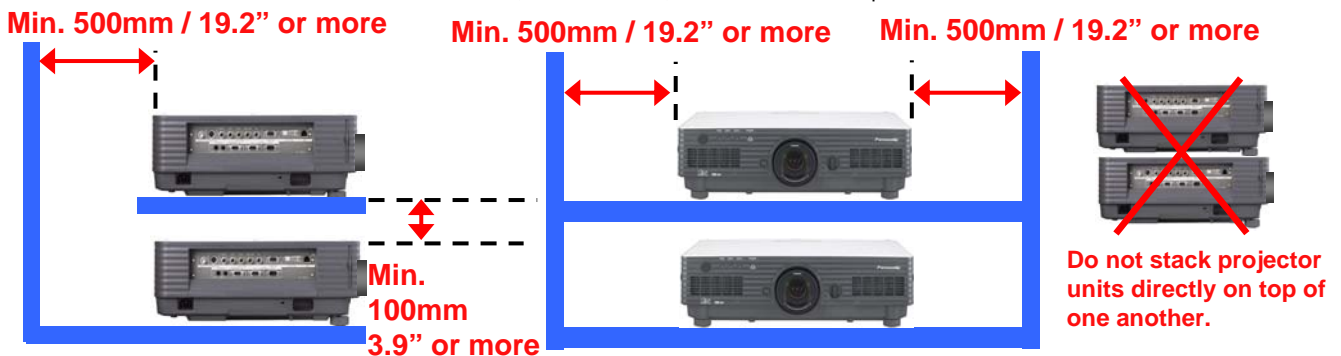
Notes on Projector Placement and Operation

1. PT-D7700/PT-DW7000/PT-D5600/PT-DW5000/PT-D3500

The projector uses a high-wattage lamp that becomes very hot during operation. Please observe the following precautions.

- (1) Never place objects on top of the projector while it is operating.
- (2) Make sure there is an unobstructed space of 500 mm or more around the projector's exhaust openings.
- (3) Do not stack projector units directly on top of one another for the dual stacked projection (the superposition projection by two projector units) purposes.
* In dual stack projection of the PT-D7700, PT-DW7000, PT-D5600/L, PT-DW5000/L and PT-D3500, distortion will appear around the corner of the picture and perfect superposition adjustments cannot be made. Therefore dual stacked projection of these models is not recommended.
- (4) When using two units in close proximity (one units for backup purpose), please make sure that there is enough space as shown below between the two projector units.
- (5) If the projector is placed in a box or enclosure, ensure the temperature of the air surrounding the projector is between 0°C/ 32°F and 35°C/ 95°F **. Also make sure the projector's intake and exhaust openings are not blocked. Take particular care to ensure that hot air from the exhaust openings is not sucked into the intake openings.

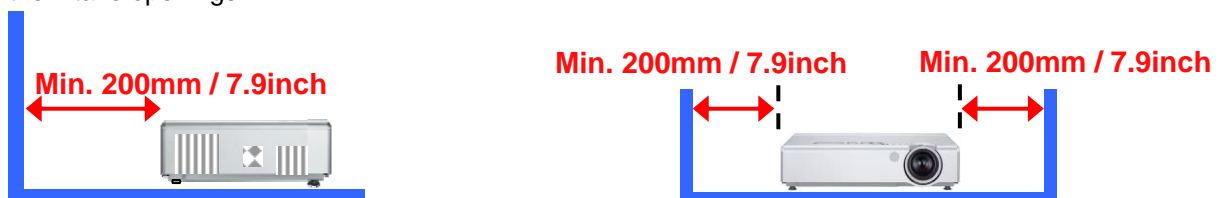
** Even when the ambient temperature near the intake opening is 35°C/ 95°F, the accumulation of hot air at the exhaust opening may cause the protective circuit to activate and shut down the projector. Depending on the operating environment , It may be necessary to take appropriate measures to prevent this heat accumulation.
In the case of the box installation of PT-D5600/L, PT-DW5000/L, internal ambient temperature becomes 0°C/ 35°F- 40°C/ 104°F.



2. PT-LB60/PT-LB55/PT-LB50/PT-P1SD/PT-AE900

The projector uses a high-wattage lamp that becomes very hot during operation. Please observe the following precautions.

- (1) Never place objects on top of the projector while it is operating.
- (2) Make sure there is an unobstructed space of 200 mm or more around the projector's exhaust openings.
- (3) Do not stack projector units directly on top of one another for the purpose of multiple (stacked) projection.
When stacking projector units, be sure to provide the amount of space indicated below between them. These space requirements also apply to installations where only one projector unit is operating at one time and the other unit is used as a backup.
- (4) If the projector is placed in a box or enclosure, ensure the temperature of the air surrounding the projector is between 0°C and 40°C. Also make sure the projector's intake and exhaust openings are not blocked. Take particular care to ensure that hot air from the exhaust openings is not sucked into the intake openings.



Operating the Projector Continuously

1. PT-D7700/PT-DW7000/PT-D5600/PT-DW5000/PT-D3500

- (1) If the projector is to be operated continuously 24 hours a day, use the dual-lamp optical system's alternating lamp operation (lamp changer) function. The projector cannot be operated continuously 24 hours a day in dual-lamp mode.
Allow a minimum of two hours per day of non-operation time.
Refer to the section "Continuous 24-Hour Operation Examples."
- (2) The PT-D3500 cannot be operated continuously 24 hours a day. Allow a minimum of two hours per day of non-operation time.
- (3) The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods.

2. PT-LB60/PT-LB55/PT-LB50/PT-P1SD/PT-AE900

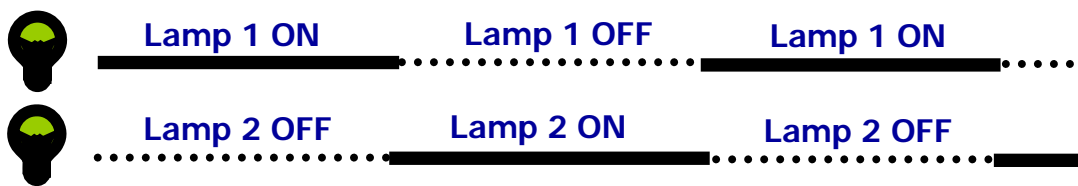
- (1) The lamp replacement cycle duration becomes shorter if the projector is operated continuously for 10 hours or more.
- (2) The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods.

Continuous 24-Hour Operation Examples

1. PT-D7700/PT-DW7000/PT-D5600/PT-DW5000/PT-D3500

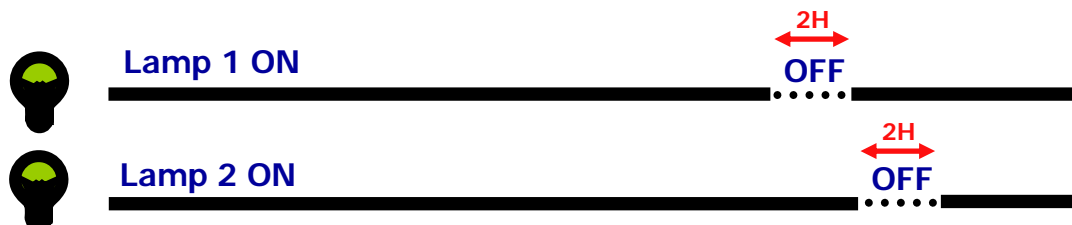
- Only projector models equipped with a dual-lamp optical system and an alternating lamp operation (lamp changer) function may be operated continuously 24 hours a day. (Applicable models: PT-D7700/PT-DW7000/PT-D5600/PT-DW5000)

- Operation Example (1)
- Using the alternating lamp operation function.



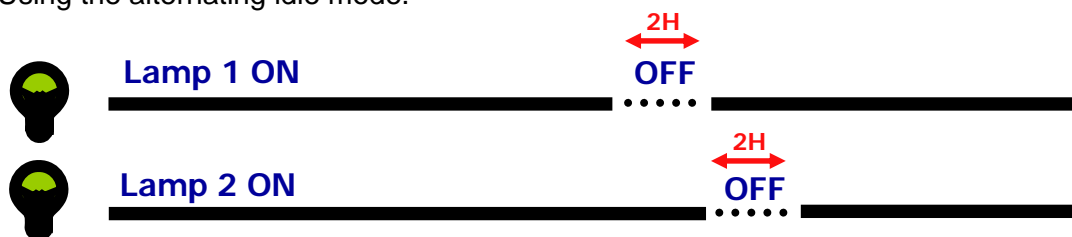
- The function is selected and set from the serviceman menu.
- The brightness is half that of dual-lamp operation.

- Operation Example (2)
- Providing non-synchronous non-operation periods by serial control.



- It is necessary to control lamp operation via the serial (RS-232) interface.
- The brightness is half that of dual-lamp operation when lamp 1 or lamp 2 is not operating.

- Operation Example (3) (Applicable models: PT-D5600/PT-DW5000)
- Using the alternating idle mode.



- The mode is selected and set from the serviceman menu.
- Start time for the lamp idle mode can be flexibly set.
- The brightness is half that of dual-lamp operation when lamp 1 or lamp 2 is not operating.