

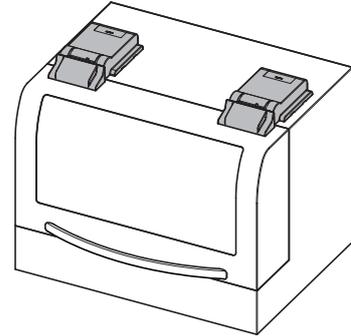
LAMP® HG-PA300-15

Balance Adjustable Lift Assist Hinge Installation Manual

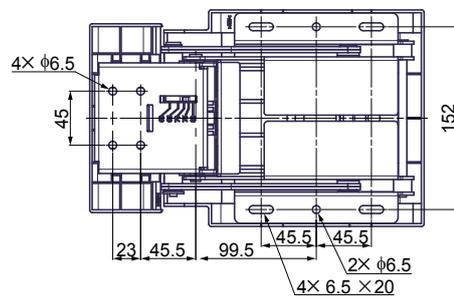
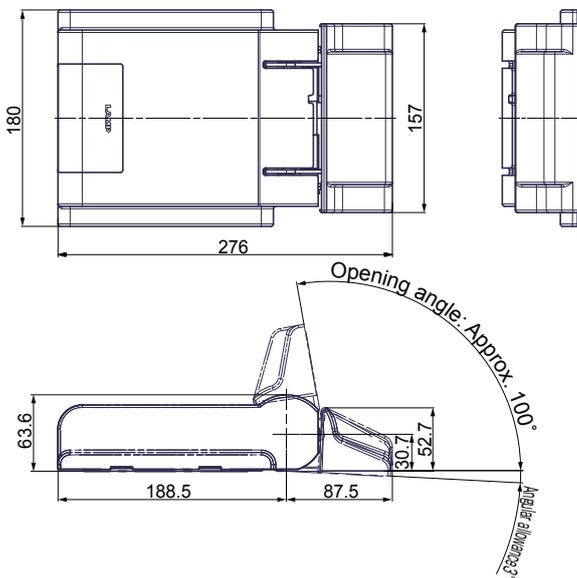
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- Hinge for upward opening.
- The built-in spring lets you easily open the lid.



DIMENSIONS



- Installation screws are not included. Select screws with a suitable length.

SPECIFICATIONS

- Torque: 15 N·m ±10%
- Torque adjustment range: ±10%
- Max torque angle: 60 - 80°
- Operating temperature range: 0 - 100°
- Lift assist angle: 0 - 100°
- Opening angle: 0 - 40°C

FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols

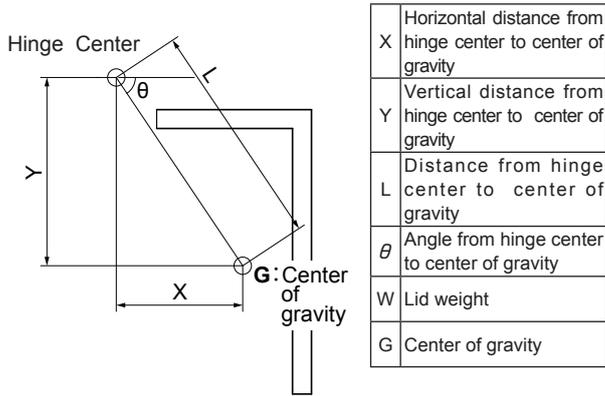


⚠ Caution: If these cautions are not followed, it may result in injury or damage.

- ⚠ It is necessary to manufacture the cabinet with sufficient strength so as to endure the weight of the lid.
- ⚠ Do not put an unbalanced load on the hinges.
- ⚠ Use more than 2 hinges per lid and adjust hinge center.
- ⚠ Provide a stopper to prevent the hinges from opening beyond the fully opened angle. Hinges may be damaged if no stopper is provided.
- ⚠ If the housing that the hinge is installed on is rotated the hinge may suddenly open. Provide a lock to prevent the hinge from opening in this case.
- ⊘ This product is for indoor use only. Do not use outside or anywhere it will be exposed to water.
- ⊘ Do not open/close the hinges repeatedly.

1 Maximum Lid Torque Calculation

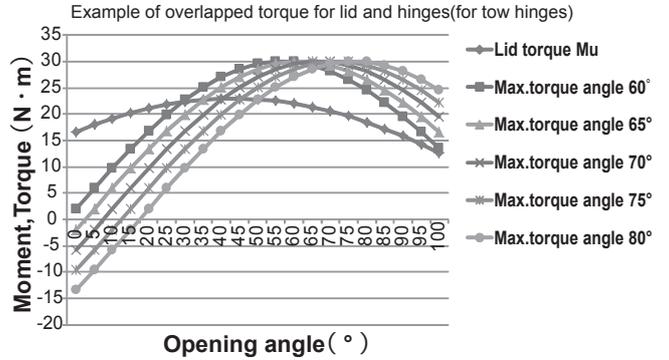
Calculation formula: $\mu = W \times L \times \cos\theta$



2 Relationship between lid torque and hinge torque

The chart shows an ideal example of lid torque and hinge torque.
 Lid torque $\mu >$ Hinge torque . . . Lid will close.
 Lid torque $\mu <$ Hinge torque . . . Lid will open.

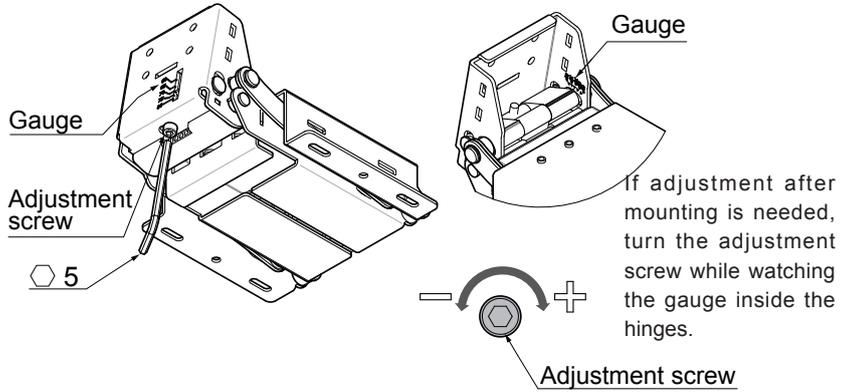
■ Please confirm whether hinges move correctly if Lid torque μ is Max or Min.
 Example of lid size: X = 29 cm, Y = -14 cm, L = 32.2 cm, W = 11.0 kg



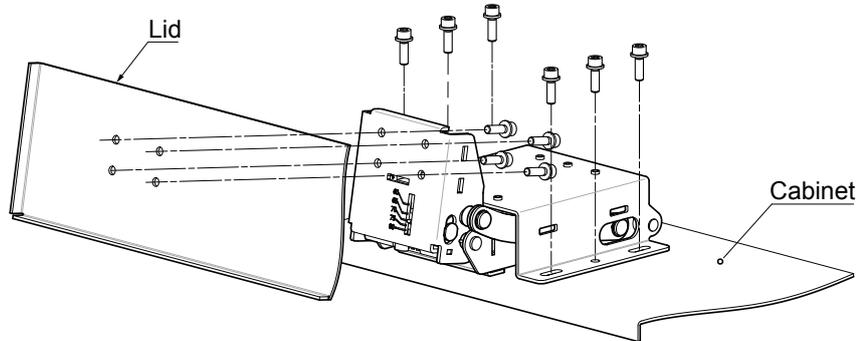
INSTALLATION PROCEDURE (Use two hinges.)

[1] Setting of Max. torque angle

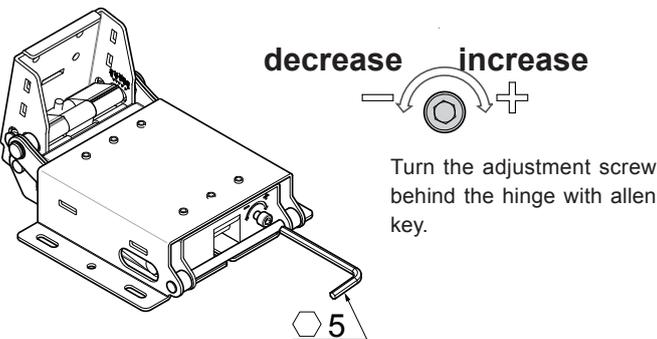
- Before mounting the hinges, set Max. torque angle according to the moment of the lid.
- As for the relationship between lid torque and hinge torque, refer to the figure on upper right.
- Using on our website is recommended.
- See the right figure about the adjustment screw.
- Ideal relationship is as below.
 0° to 20° : Lid moment > Hinge torque
 More than 20° : Lid moment < Hinge torque



[2] Mounting hinges



[3] Adjusting torque



[4] Assembling cover

