

Title (en)
FRAMELESS PANEL LAMP

Title (de)
RAHMENLOSE PLATTENLEUCHTE

Title (fr)
LAMPE DE PANNEAU SANS CADRE

Publication
EP 3951258 B1 20240103 (EN)

Application
EP 21189073 A 20210802

Priority
CN 202021609547 U 20200805

Abstract (en)
[origin: EP3951258A1] The present application provides a frameless panel lamp, which includes a chassis (1), a light source assembly (2), a driving assembly (3), and a light-transmitting plate (4); the light source assembly (2) is disposed inside the chassis (1), the chassis (1) includes a base plate (11) and side plates (12) surrounding edges of the base plate (11), and each of the side plates (12) is provided with a mounting portion (13) bending outward away from the edges of the base plate (11); the mounting portion (13) includes a horizontal portion (131) and a bending portion (132) bending toward a light-emitting direction, and the horizontal portion (131) is provided with a first convex ring (1311) toward the light-emitting direction; an adhesive is disposed between the first convex ring (1311) and the bending portion (132), and the light-transmitting plate (4) is bonded to the horizontal portion (131) through the adhesive and is attached to a top portion of the first convex ring (1311). The light-transmitting plate (4) is fixed on the mounting portion (13) through bonding, and the aluminum frame can be omitted at this time, which saves cost and does not affect the light-emitting effect; at the same time, the first convex ring (1311) provided on the horizontal portion (131) can be used to prevent the adhesive from overflowing to the light-emitting surface of the light-transmitting plate (4), ensuring the light-emitting effect of the light transmitting plate, and due that the aluminum frame is omitted, the light-emitting surface of the chassis (1) can coincide with the light-emitting surface of the light-transmitting plate (4), thereby effectively ensuring the light-emitting effect and light-emitting angle of the panel lamp.

IPC 8 full level
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