

A insulating glass unit includes at least two outer sheets of optically transparent material separated with at least one spacer frame and fixed to each other with glue basis, additional sheet on which glow area is formed installed in the inner closed space, light-emitting diodes laid to moisture-protection shell and connected to the power supply block, covered with hermetic along the whole perimeter. On the inner edges of the spacer the flat-topped frame fixations are rigidly installed, in those on cross wall light-emitting diodes are rigidly fixed in the inner closed space formed with placed in parallel outer sheets of optically transparent material. To the flat-topped fixation elements en additional sheet is installed due to close pressing the long walls of the fixation elements to the surfaces of the sheet, this has dimensions smaller compared to the inner perimeter of the spacer frame. The inner closed space of the insulating glass unit is filled with dried air or gas, or mix of those, or vacuum, at least one of the outer sheets of optically transparent material is made as tempered glass.