

## Acceptance Inspection Instruction: Deliveries of IGUs Manufactured by Pilkington IGP Sp. z o.o. With Integral Blinds and IGU Handling During Installation and Operations

This Instruction applies to IGUs with integral blinds (IBIGUs) manufactured by Pilkington IGP Sp. z o.o. and sold under the brand Pilkington Insulight Screenline and LuxComfort™.

IBIGUs undergo detailed internal quality inspection prior to outbound shipping to customers to verify proper manufacturing quality and operation. The internal quality inspection is done using power and control equipment dedicated for the specific blind system type, as specified by its OEM.

When receiving a delivery of IBIGUs, the customer shall immediately verify that the delivery contents conform to the purchase order, are complete, undamaged, and operate properly.

Specifically, any attempt to begin installation of the delivered IBIGUs shall be deemed as the unconditional acceptance of their quality and performance by the customer.

**Quality Assessment Criteria for ScreenLine® Integral Blinds** guidance available on [www.pilkington.com/pl](http://www.pilkington.com/pl), Construction Glass User References tab specify the detailed procedure for the integral blind manufacturing assessment and manufacturing tolerance limits.

The performance check of IBIGUs during delivery acceptance shall include the following, as applicable to the integral blind system:

- Test the lifting and lowering operation of blind slats
- Test the slat tilt operation
- Inspect for dirt or other evidence of defects.

The operating performance test requires test kits dedicated to the integral blind system under test:

- **C System** (manual/magnetic operation, e.g. actuation with a cable) – the integral blind control kit is delivered with the IBIGU; alternatively, use the dedicated control kit from Magnetic Pellini, article no. SL2240.
- **W Smart System/LuxComfort** (mains- or battery-powered operation) — the integral blind control kit is delivered with the IBIGU; alternatively, use the dedicated control kit from Pellini, article no. SL2420-EU.
- **MB System** (mains-powered operation) – use the dedicated control kit from Pellini, article no. ST1811+ST1821 (wired) – the operating manual is included in the kit.

When wiring the MB System or W Smart System kits, follow the colour codes of the wiring (black, red, and white for the MB System): wire white to white, black to black, and red to red.

For powered integral blinds, their installation and power and control wiring shall follow the instruction sticker from Pellini, applied to the delivered IBIGU or available on [www.pellini.net](http://www.pellini.net). Use only the power, control and wiring products recommended by Pellini. Consult Pellini for the design of the specific MB System integral blind control system.

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### Notes on operation:

Leaving the blinds open for a long time may result in uneven settlement of the slats during lifting.

Leaving the blinds closed for a long time (e.g. while awaiting the final construction inspection and acceptance) may cause the slats to stick to one another.

During operation of powered integral blinds, there can be incomplete lowering or lifting of the slats visible. Powered integral blinds are preprogrammed to reset the top dead and bottom positions every fixed number of opening/closing cycles. The dead positions are reset automatically.

To prevent the abnormalities explained above, it is recommended to operate the integral blinds routinely.

If the IBIGU is exposed to low ambient temperatures (e.g. during outdoor storage at the construction site, installation in a non-heated building shell, etc.), there will be a natural concavity of the glass panes, a result of the vacuum inside the insulated glass unit. At higher ambient temperatures, the IBIGU will fully recover from this concavity.

However, there is a risk that the concavity will considerably reduce the spacing of the glass panes in the IBIGU, resulting in the movement of the blind stuttering or stopping midway through the unit. This may result in permanent failure of the blind slats, jamming of the blind, and/or failure of the power unit if further operation is attempted.

To avoid these issues, it is STRONGLY DISCOURAGED to attempt operation and performance testing of the integral blinds in unheated rooms in winter. These activities should be attempted at ambient temperatures of +9°C or higher.

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