The ViuLite® SL20A insulating glass units are manufactured in accordance with high technical specifications and production standards. The slat **tilting only** function is achieved using rotational magnetic transmission through the glass thereby guaranteeing the unit's hermetic seal.

**Slat**
Aluminum, AA 6011-T8 alloy. Dimensions: width 1/2” (12.5mm), thickness 0.2mm. High-resistance polyester paint. The slats have a special treatment designed to eliminate possible emissions of chemical products inside the insulated glass unit, when exposed to ultraviolet and heat radiation i.e. non-fogging.

**Internal cords**
Thermo-fixed 100% polyester with internal core and excellent dimensional stability.
OPERATOR:  
KNOB - (MOUNTED ON TOP RAIL)
(ALSO AVAILABLE ON BOTH SIDES; CONTACT UNICEL FOR MORE INFORMATION)

SLAT OPERATION:  
TILT-ONLY

AIR SPACE:  
27/32" (21.4mm)  
ARGON  
AIR

SLAT WIDTH:  
1/2" (12.5mm)

SLAT COLOR:  
☐ S102 WHITE
☐ S157 SILVER
☐ S125 BEIGE

SPACER:  
WARM-EDGE; BLACK RAL9005

OPERATOR COLOR:  
☐ WHITE
☐ LIGHT GRAY

INTERIOR GLASS:

EXTERIOR GLASS:

---

PROJECT:  
ARCHITECT:
CLIENT:
JOB SITE:
DATE:

SIGNATURE:  
DATE:

Unicel Architectural Corp.
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E: unicel@unicelarchitectural.com • www.unicelarchitectural.com

11-2017
**VIULITE® SL20A WAND**

**OPERATOR:** WAND

(Also available on both sides, contact Unicel for more information)

**SLAT OPERATION:** TILT-ONLY

**AIR SPACE:** 27/32" (21.4mm)

- [ ] ARGON
- [ ] AIR

**SLAT WIDTH:** 1/2" (12.5mm)

**SLAT COLOR:**
- [ ] S102 WHITE
- [ ] S157 SILVER
- [ ] S125 BEIGE

**SPACER:** WARM-EDGE; BLACK RAL9005

**OPERATOR COLOR:** TRANSPARENT

**INTERIOR GLASS:**

<table>
<thead>
<tr>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**EXTERIOR GLASS:**

<table>
<thead>
<tr>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**GLASS SIZE**

<table>
<thead>
<tr>
<th>GLASS WIDTH</th>
<th>MIN. CLEARANCE REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.4mm</td>
<td>6.4mm</td>
</tr>
<tr>
<td>31.8mm</td>
<td>6.4mm</td>
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</table>

**GLASS HEIGHT**

<table>
<thead>
<tr>
<th>MIN. CLEARANCE REQUIRED</th>
</tr>
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<tbody>
<tr>
<td>1/4&quot;</td>
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**WAND LENGTH**

<table>
<thead>
<tr>
<th>QTY</th>
<th>21.4mm</th>
<th>27/32&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>31mm</td>
<td>1 7/32&quot;</td>
</tr>
<tr>
<td></td>
<td>31mm</td>
<td>1 7/32&quot;</td>
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</tbody>
</table>

**WAND LENGTH VARIATION**

<table>
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<tr>
<th>QTY</th>
<th>12.7mm</th>
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<td></td>
<td>1/2&quot;</td>
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**TYPICAL BITE REQUIRED**

<table>
<thead>
<tr>
<th>QTY</th>
<th>50mm</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1 31/32&quot;</td>
</tr>
</tbody>
</table>

---

**FOR FEASIBILITY CHARTS, PLEASE REFER TO VL 1.6**

---

**PROJECT:** ________________________________

**ARCHITECT:** ________________________________

**CLIENT:** ________________________________

**JOB SITE:** ________________________________

**DATE:** ________________________________

---

**SIGNATURE:** ________________________________

**DATE:** ________________________________

---

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VL 1.4

11-2017
OPERATOR: EXTERNAL MOTOR (WIRING EXCLUDED)

SLAT OPERATION: TILT-ONLY

AIR SPACE: 27/32" (21.4mm)  ARGIN  AIR

SLAT WIDTH: 1/2" (12.5mm)

SLAT COLOR:  
- S102 WHITE
- S157 SILVER
- S125 BEIGE

SPACER: WARM-EDGE, BLACK RAL9005

MOTOR COLOR:  
- WHITE
- LIGHT GRAY

ELECTRICAL ACCESSORIES: (REFER TO VL 1.7, 1.8, 1.9, 1.10 AND 1.11)

CONTROLS BOXES:

- SWITCHES:

- CONTROLS BOXES WITH RADIO RECEIVER:

- REMOTE CONTROLS: WHITE  GRAY

POWER SUPPLIES:

INTERIOR GLASS:  

EXTERIOR GLASS:  

GLASS SIZE

<table>
<thead>
<tr>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
</table>

FRAMES MUST BE SQUARE, PLUMB AND LEVEL

PROJECT:  

ARCHITECT:  

CLIENT:  

JOB SITE:  

DATE:  

SIGNATURE:  

DATE:  

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VL 1.5

11-2017
### VIULITE® SL20A

**FEASIBILITY**

**Maximum glass area on operating side:**

![Glass Area Graph]

- Blinds can only be tilted with locked bottom rail.
- Blinds can only be tilted but will be delivered completely raised (temporarily, for transportation purposes).

### Possible dimensions*:

<table>
<thead>
<tr>
<th>Area (ft²)</th>
<th>Area (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>1.00</td>
<td>10.7</td>
</tr>
<tr>
<td>2.00</td>
<td>21.3</td>
</tr>
<tr>
<td>3.00</td>
<td>32.3</td>
</tr>
<tr>
<td>4.00</td>
<td>43.1</td>
</tr>
<tr>
<td>5.00</td>
<td>53.9</td>
</tr>
<tr>
<td>6.00</td>
<td>64.7</td>
</tr>
</tbody>
</table>

Glass thickness: 3/16" - 3/8"

<table>
<thead>
<tr>
<th>Glass thickness</th>
<th>Area (ft²)</th>
<th>Area (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>10.7</td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>21.3</td>
<td></td>
</tr>
<tr>
<td>3.00</td>
<td>32.3</td>
<td></td>
</tr>
<tr>
<td>4.00</td>
<td>43.1</td>
<td></td>
</tr>
<tr>
<td>5.00</td>
<td>53.9</td>
<td></td>
</tr>
<tr>
<td>6.00</td>
<td>64.7</td>
<td></td>
</tr>
</tbody>
</table>

* Minimum Width = 8 5/8" (219mm)  Maximum Width = 78 3/4" (2000mm)

Minimum Height = 8 5/8" (219mm)  Maximum Height = 102 3/8" (2600mm)

* If required size is outside of feasibility range, please contact Unicel for special arrangements.
INDEPENDENT UNIT

- CONTROL BOX WITH OR WITHOUT RADIO RECEIVER
- REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)
- SWITCH
- POWER SUPPLY
- VIULITE® UNIT

110 VAC
VIULITE® SL20A
GROUPED CONTROLS

1 GROUP OF UP TO 4 UNITS

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

VIULITE® UNIT

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

110 VAC

SWITCH

POWER SUPPLY
VIULITE® SL20A
GROUPED CONTROLS

1 MASTER CONTROL + X SUB GROUPS

A No. 1 GROUP CONTROL
B No. 2 GROUP CONTROL
G GENERAL GROUP CONTROL
1 MASTER CONTROL + X INDIVIDUAL CONTROLS

VIULITE® SL20A
GROUPED CONTROLS

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

POWER SUPPLY

110 VAC

SWITCH

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

C1 SINGLE BLIND CONTROL

G GENERAL GROUP CONTROL

VIULITE® UNIT
1 MASTER CONTROL + X GROUP + X INDIVIDUAL CONTROLS

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

110 VAC

VIULITE® UNIT

SWITCH

POWER SUPPLY

A No. 1 GROUP CONTROL
B No. 2 GROUP CONTROL
C SINGLE BLIND CONTROL
G GENERAL GROUP CONTROL
The ViuLite® SL20C insulating glass units are manufactured in accordance with high technical specifications and production standards. The slat **tilting, raising and lowering** functions are achieved using rotational magnetic transmission through the glass thereby guaranteeing the unit's hermetic seal.

**Slat**
Aluminum, AA 6011-T8 alloy. Dimensions: width 1/2" (12.5mm), thickness 0.2mm. High-resistance polyester paint. The slats have a special treatment designed to eliminate possible emissions of chemical products inside the insulated glass unit, when exposed to ultraviolet and heat radiation i.e. non-fogging.

**Internal cords**
Thermo-fixed 100% polyester with internal core and excellent dimensional stability.
OP: CORD
SO: TILT AND RAISE
AS: 27/32" (21.4mm) ☐ ARGON ☐ AIR
SW: 1/2" (12.5mm)
SC: ☐ S102 WHITE ☐ S157 SILVER ☐ S125 BEIGE
SP: WARM-EDGE, BLACK RAL9005
OC: ☐ WHITE ☐ LIGHT GRAY ☐ TRANSPARENT
IG: 
EG: 

VIULITE® PANELS REQUIRED
FOR FEASIBILITY CHARTS, PLEASE REFER TO VL 2.4

<table>
<thead>
<tr>
<th>GLASS SIZE</th>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>CORD LENGTH</th>
</tr>
</thead>
</table>

FRAMES MUST BE SQUARE, PLUMB AND LEVEL

---

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VL 2.2
11-2017
**VIULITE® SL20C EXTERNAL MOTOR**

**OPERATOR:** EXTERNAL MOTOR (WIRING EXCLUDED)

**SLAT OPERATION:** TILT AND RAISE

**AIR SPACE:** 27/32" (21.4mm)

**SLAT WIDTH:** 1/2" (12.5mm)

**SLAT COLOR:**
- S102 WHITE
- S157 SILVER
- S125 BEIGE

**SPACER:** WARM-EDGE, BLACK RAL9005

**MOTOR COLOR:**
- WHITE
- LIGHT GRAY

**ELECTRICAL ACCESSORIES:**
- CONTROL BOXES:
  - SWITCHES
- CONTROL BOXES WITH RADIO RECEIVER:
  - REMOTE CONTROLS: WHITE GRAY
- POWER SUPPLIES:

**INTERIOR GLASS:**

**EXTERIOR GLASS:**

---

**GLASS SIZE**

<table>
<thead>
<tr>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
</table>

---

**MIN. CLEARANCE REQUIRED**

**SETTING BLOCK L/4 BY OTHERS**

**EXTERNAL MOTOR**

---

**POWER SUPPLIES:**

**CONTROL BOXES WITH RADIO RECEIVER:**

**REMOTE CONTROLS:**

**WARM-EDGE SPACER:**

**BLACK SILICONE**

---

**PROJECT:**

**ARCHITECT:**

**CLIENT:**

**JOB SITE:**

**SIGNATURE:**

**DATE:**
Glass size feasibility range:

Operating speed:

Operating speed with external motor 24V:

Up to 26.9 ft² (2.5 m²) operating speed is about 4'-11"/min (1.5 m/min)

From 27 ft² to 37.6 ft² (2.51 m² to 3.5 m²) operating speed is about 3'-3 3/8"/min (1 m/min)
INDEPENDENT UNIT

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

POWER SUPPLY

VIULITE® UNIT

110 VAC
1 GROUP OF UP TO 4 UNITS

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

VIULITE® UNIT

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

110 VAC

POWER SUPPLY

E: unicel@unicelarchitectural.com • www.unicelarchitectural.com
VIULITE® SL20C
GROUPED CONTROLS

1 MASTER CONTROL + X SUB GROUPS

A No. 1 GROUP CONTROL
B No. 2 GROUP CONTROL
G GENERAL GROUP CONTROL
1 MASTER CONTROL + X INDIVIDUAL CONTROLS

VIULITE® UNIT

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

110 VAC

SWITCH

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

POWER SUPPLY

110 VAC

C1 SINGLE BLIND CONTROL

C2 GENERAL GROUP CONTROL
VIULITE® SL20C
GROUPED CONTROLS

1 MASTER CONTROL + X GROUP + X INDIVIDUAL CONTROLS

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

A No. 1 GROUP CONTROL
B No. 2 GROUP CONTROL
C® SINGLE BLIND CONTROL
G GENERAL GROUP CONTROL

110 VAC

POWER SUPPLY
The ViuLite® SL20P insulating glass units are manufactured in accordance with high technical specifications and production standards. The slat tilting only function is achieved using rotational magnetic transmission through the glass thereby guaranteeing the unit’s hermetic seal.

**Slat**
Aluminum, AA 6011-T8 alloy. Dimensions: width 1/2" (12.5mm), thickness 0.2mm. High-resistance polyester paint. The slats have a special treatment designed to eliminate possible emissions of chemical products inside the insulated glass unit, when exposed to ultraviolet and heat radiation i.e. non-fogging.

**Internal cords**
Thermo-fixed 100% polyester with internal core and excellent dimensional stability.
VIULITE® PANELS REQUIRED
FOR FEASIBILITY CHARTS, PLEASE REFER TO VL 3.4

<table>
<thead>
<tr>
<th>QTY</th>
<th>GLASS SIZE</th>
<th>LENGTH TO KNOB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FRAMES MUST BE SQUARE, PLUMB AND LEVEL
VIULITE® SL20P
REMOVABLE KEY

OPERATOR: REMOVABLE KEY
SLAT OPERATION: TILT-ONLY
AIR SPACE: 27/32" (21.4mm) □ ARGON □ AIR
SLAT WIDTH: 1/2" (12.5mm)
SLAT COLOR: □ S102 WHITE □ S157 SILVER □ S125 BEIGE
SPACER: WARM-EDGE; BLACK RAL9005
OPERATOR COLOR: BLACK (BASE PLATE ONLY)
CONTROL KEY: (1 INCLUDED)

INTERIOR GLASS:

EXTERIOR GLASS:

VIULITE® PANELS REQUIRED
FOR FEASIBILITY CHARTS, PLEASE REFER TO VL 3.4

| QTY TOTAL REQUIRED: ___ |

GLASS SIZE
| WIDTH | HEIGHT |

LENGTH TO KEY OPERATOR

FRAMES MUST BE SQUARE, PLUMB AND LEVEL

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VL 3.3
11-2017
Maximum glass area:

- 0.00 m² (0 ft²)
- 0.50 m² (5.4 ft²)
- 1.00 m² (10.7 ft²)
- 1.50 m² (16.1 ft²)
- 2.00 m² (21.5 ft²)
- 2.50 m² (25.8 ft²)
- 2.40 m² (26.9 ft²)

Possible dimensions*:

- W min = 6" (152mm)
- W max = 78 3/4" (2000mm)
- H min = 8 5/8" (219mm)
- H max = 98 7/16" (2500mm)

* If required size is outside of feasibility range, please contact Unicel for special arrangements.
Available with:

• Knob

*Frame not included (for illustration purposes only)

The ViuLite® SL20B insulating glass units are manufactured in accordance with high technical specifications and production standards. The slat tilting only function is achieved using rotational magnetic transmission through the glass thereby guaranteeing the unit's hermetic seal.

**Slat**
Aluminum, AA 6011-T8 alloy. Dimensions: width 1/2" (12.5mm), thickness 0.2mm. High-resistance polyester paint. The slats have a special treatment designed to eliminate possible emissions of chemical products inside the insulated glass unit, when exposed to ultraviolet and heat radiation i.e. non-fogging.

**Internal cords**
Thermo-fixed 100% polyester with internal core and excellent dimensional stability.
**VIULITE® SL20B KNOB**

<table>
<thead>
<tr>
<th>OPERATOR:</th>
<th>KNOB - (MOUNTED ON BOTTOM RAIL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLAT OPERATION:</td>
<td>TILT-ONLY</td>
</tr>
<tr>
<td>AIR SPACE:</td>
<td>27/32” (21.4mm) □ ARGON □ AIR</td>
</tr>
<tr>
<td>SLAT WIDTH:</td>
<td>1/2” (12.5mm)</td>
</tr>
<tr>
<td>SLAT COLOR:</td>
<td>□ S102 WHITE □ S157 SILVER □ S125 BEIGE</td>
</tr>
<tr>
<td>SPACER:</td>
<td>ALUMINUM</td>
</tr>
<tr>
<td>OPERATOR COLOR:</td>
<td>□ WHITE □ LIGHT GRAY</td>
</tr>
</tbody>
</table>

**INTERIOR GLASS:**

**EXTERIOR GLASS:**

For feasibility charts, please refer to VL 4.3.

<table>
<thead>
<tr>
<th>GLASS SIZE</th>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Frames must be square, plumb and level.

---

**GLASS WIDTH**

MIN. CLEARANCE 6.4mm REQUIRED 1/4"

**GLASS HEIGHT**

101.6mm 4"

200mm 7 7/8"

11mm 7/16"

11mm 7/16"

11mm 7/16"

21.4mm 27/32"

18.7mm 3/4"

41.2mm 1 5/8"

182.2mm 7 7/8"

19mm 3/4"

---

**PROJECT:**

**ARCHITECT:**

**CLIENT:**

**JOB SITE:**

**DATE:**

**SIGNATURE:**

**DATE:**

---

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11-2017
Glass size feasibility range:

- **Blinds can only be tilted but will be delivered completely raised (temporarily, for transportation purposes)**
- **Outside of feasibility range** (please contact Unicel for special arrangements)
The ViuLite® SL20M insulating glass units are manufactured in accordance with high technical specifications and production standards. The slat tilting, lowering and raising or tilting-only functions are achieved by an encoder motor that permits a constant speed resulting in a guaranteed synchronized function for multiple blinds. The motor and the electronic blind management system are positioned within the head rail on a slide which has a specially integrated electric socket with a snap-in connector to the spacer bar allowing connection to the external power supply via only three wires, thereby maintaining a complete hermetic seal to the unit.

**Slat**
Aluminum, AA 6011-T8 alloy. Dimensions: width 1/2" (12.5mm), thickness 0.2 mm. High-resistance polyester paint. The slats have a special treatment designed to eliminate possible emissions of chemical products inside the insulated glass unit, when exposed to ultraviolet and heat radiation i.e. non-fogging.

**Internal cords**
Thermo-fixed 100% polyester with internal core and excellent dimensional stability.

---

*Frame not included (for illustration purposes only)
**VIULITE® SL20M**
**INTERNAL MOTOR**

**OPERATOR:** INTERNAL MOTOR (WIRING EXCLUDED)

**SLAT OPERATION:**
- TILT AND RAISE
- TILT ONLY

**AIR SPACE:** 27/32" (21.4mm)  ○ ARGON  ○ AIR

**SLAT WIDTH:** 1/2" (12.5mm)

**SLAT COLOR:**
- S102 WHITE
- S157 SILVER
- S125 BEIGE

**SPACER:** WARM-EDGE; BLACK RAL9005

**ELECTRICAL ACCESSORIES:**
(REFER TO V1.5, 5.4, 5.5, 5.6, 5.7 AND 5.8)

**CONTROL BOXES:**
- SWITCHES:
- CONTROL BOXES WITH RADIO RECEIVER:
- REMOTE CONTROLS:  ○ WHITE  ○ GRAY

**POWER SUPPLIES:**

**INTERIOR GLASS:**

**EXTERIOR GLASS:**

---

**VIULITE® PANELS REQUIRED**
FOR FEASIBILITY CHARTS, PLEASE REFER TO VL 5.3

**GLASS SIZE**

<table>
<thead>
<tr>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
</table>

**FRAMES MUST BE SQUARE, PLUMB AND LEVEL**

---

**INTERNAL MOTOR**

**WIRING EXCLUDED**

**EXTERIOR GLASS**

**MIN. CLEARANCE REQUIRED** 6.4mm 1/4"

**SETTING BLOCK L/4 BY OTHERS** 101.6mm 4"

**INTERIOR GLASS**

**WARM-EDGE SPACER** BLACK SILICONE

**MIN. CLEARANCE REQUIRED** 6.4mm 3/4"

**TYPICAL CLEARANCE REQUIRED**

---

**PROJECT:**

**ARCHITECT:**

**CLIENT:**

**JOB SITE:**

**SIGNATURE:**

**DATE:**
Glass size feasibility range:

- Glass height:
  - 1540 mm (60 5/8")
  - 2000 mm (78 3/32")
  - 1670 mm (65 3/4")
  - 2600 mm (102 2/3")

- Glass width:
  - 300 mm (11 3/16")
  - 350 mm (13 25/32")
  - 400 mm (15 3/4")
  - 2000 mm (78 3/32")

Legend:
- □ Blinds can be tilted and raised
- □ Blinds can only be tilted and supplied with locked bottom rail
- □ Outside of feasibility range (please contact Unicel for special arrangements)
- □ Blinds can only be tilted but will be delivered completely raised (temporarily, for transportation purposes)
INDEPENDENT UNIT

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

SWITCH

POWER SUPPLY

110 VAC

VIULITE® UNIT

VIULITE® SL20M
SINGLE UNIT CONTROL
1 GROUP OF UP TO 4 UNITS

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

110 VAC

POWER SUPPLY

VL 5.5
1 MASTER CONTROL + X SUB GROUPS

- POWER SUPPLY
- SWITCH
- VIULITE® UNIT
- CONTROL BOX WITH OR WITHOUT RADIO RECEIVER
- REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

A No. 1 GROUP CONTROL
B No. 2 GROUP CONTROL
G GENERAL GROUP CONTROL
1 MASTER CONTROL + X INDIVIDUAL CONTROLS
1 MASTER CONTROL + X GROUP + X INDIVIDUAL CONTROLS

CONTROL BOX WITH OR WITHOUT RADIO RECEIVER

REMOTE CONTROL (FOR USE ONLY WITH CONTROL BOX WITH RADIO RECEIVER)

110 VAC

VIULITE® UNIT

SWITCH

POWER SUPPLY

A No. 1 GROUP CONTROL
B No. 2 GROUP CONTROL
C SINGLE BLIND CONTROL
G GENERAL GROUP CONTROL
The ViuLite® SL20S insulating glass units are manufactured in accordance with high technical specifications and production standards. The slat tilting, lowering and raising functions are achieved using a magnetic slider, placed on the right or left-hand edge of the glass. A narrow adhesive transparent profile ensures the linear movement of the slider. The blind is raised and lowered by moving the slider up or down and is tilted by slightly lifting or lowering the same slider.

**Slat**
Aluminum, AA 6011-T8 alloy. Dimensions: width 1/2" (12.5mm), thickness 0.2 mm. High-resistance polyester paint. The slats have a special treatment designed to eliminate possible emissions of chemical products inside the insulated glass unit, when exposed to ultraviolet and heat radiation i.e. non-fogging.

**Internal cords**
Thermo-fixed 100% polyester with internal core and excellent dimensional stability.
VIULITE® SL20S
EXTERNAL SLIDER

OPERATOR: EXTERNAL SLIDER
SLAT OPERATION: TILT AND RAISE
AIR SPACE: 27/32" (21.4mm) □ ARGON □ AIR
SLAT WIDTH: 1/2" (12.5mm)
SLAT COLOR: □ S102 WHITE □ S157 SILVER □ S125 BEIGE
SPACER: WARM-EDGE; BLACK RAL9005
OPERATOR COLOR: □ WHITE □ LIGHT GRAY □ BEIGE

INTERIOR GLASS:

EXTERIOR GLASS:

GLASS SIZE

<table>
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<tr>
<th>QTY</th>
<th>WIDTH</th>
<th>HEIGHT</th>
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FRAMES MUST BE SQUARE, PLUMB AND LEVEL

WARM-EDGE; BLACK RAL9005

OPERATOR COLOR:

SPACER:

OPERATOR:

SLAT OPERATION:

SLAT WIDTH:

SLAT COLOR:

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VL 6.2

11-2017
Glass size feasibility range:

- Blinds can be tilted and raised
- Blinds can only be tilted and supplied with locked bottom rail
- Outside of feasibility range (please contact Unicel for special arrangements)
- Blinds can only be tilted but will be delivered completely raised (temporarily, for transportation purposes)
Storage Instructions

A. In Crates

Crates must be kept upright, covered, ventilated and in a dry and safe location.

B. Loose Lots

Sealed units must be upright, on blocks and in a safe and dry location. Sealed units should not be stored in a stack, or in direct sunlight as heat build-up may cause breakage. Sealed units should have a base to provide support to all component lites of the unit so that individual lites will not slide out of alignment or out of square causing seal failure or breakage.

Handling Instructions

A. Extreme care must be taken when a unit is being moved. Edges and corners should be protected in order to prevent glass from fracturing. The use of a corner protector is suggested.

B. ViuLite® sealed glass panels should always be transported and stored with the blinds as shown in the pictures below.

Tilt and lift application

Tilt only application
GLAZING INSTRUCTIONS

Frame/Sash

1. All framing members must be specifically designed to accept the glass specified and must have adequate structural strength to support the weight of the glass without deformation.

2. Frame and/or sash must be level, plumb, square and in plane and also be free of any glazing obstruction.

3. Joints must be adequately buttered with sealant to prevent water and air infiltration and all sill members must have weep holes to the outside.

Clearance and edge bite

1. Adequate edge and face clearances must be provided to allow the glass to float freely in the opening, without undue restriction by the framing members. The recommended clearance on both vertical edges of the units is a minimum of 1/4” (6.4mm) for all models except SL20P with corner drive which requires 1/2” (12.7mm).

2. Adequate bite is mandatory to maintain a watertight, weather-proof seal as well as retain the glass in the opening under conditions of wind loading and deformation of the framing members.

Setting blocks and spacers

1. Silicone setting blocks should be used on the bottom edge of each lite. Place setting blocks at the end points.

Sealing materials

1. For channel glazing, use only a non-hardening, non-corrosive, gun-applied sealant specifically recommended by the sealant manufacturer for the type of glass specified.

2. In no case shall glazing be performed with any oleo-resinous or oil-base compounds, nor shall any glazing sealant be diluted or thinned with any solvent.

3. Never fill the space between the bottom edge of the glass and the sill. This will interfere with the weepage system.

4. All sealants must be applied to provide an absolute watertight seal; on insulating glass units, sealant must contact the glass a minimum of 1/8” (3.2mm) above the metal edge protection.

5. Sash with neoprene or structural neoprene gaskets must have a supplementary wet seal applied between the gasket and the glass, at the bottom edge (sill) of the glass and 6” (152.4mm) up on each jamb. Sill section of all structural neoprene gaskets must have weep holes to the exterior.

6. Special care must be taken when glazing laminated glass, polycarbonates and glass-clad polycarbonates, as they may react unfavorably with certain sealant components. Sealants made of 100% solid components, containing no solvents, must be used. Verify with your sealant manufacturer.

7. All surfaces to be sealed must be completely clean and dry. Verify with sealant manufacturer’s recommendations for proper cleaning procedures.
Maintenance Instructions

Cleaning and maintenance of glass:

• Routinely clean using ordinary window-washing techniques.
• For best results, use liquid glass cleaners or mild household detergents. Do not use cleaning compounds containing fluorine, strong acids, corrosive alkaline detergents or abrasives.
• To avoid damage, all potentially abrasive particles adhered to glass should be removed prior to cleaning. Razor blades or steel wool should never be used to scrape residue from glass surfaces.

Cleaning and maintenance of all operators:

• Clean the operators with mild soaps or detergents ruled safe for bare hands.
• Always spot test when using a new or stronger detergent.
• Avoid abrasive cleaners. Strong solvents or strong cleaner concentrations can cause damage to surfaces. Over cleaning or excessive rubbing can do more harm than good.
• Abrasive materials such as steel wool and abrasive brushes can wear and harm finishes. Do not use on any operators.
• Never use paint removers, aggressive alkaline, acid or abrasive cleaners. Do not use trisodium phosphate, highly acid cleaners.

Special instructions for cleaning and maintenance of external motor operators:

• Apply the same instructions as mentioned above.
• Never apply liquid soap, detergent or water directly on the operator. Always apply on a cloth before washing or rising.
• To clean, gently rub the exterior shell of the operator only.
• Do not remove the motorization unit from its socket.
VIULITE®
WARRANTY STATEMENT

During a period of five (5) years from DATE OF MANUFACTURE, depending on the type of unit construction and the use to which the unit is put, ViuLite® insulating glass units (without capillary breather tubes) are warranted not to develop, under normal conditions, material obstruction of vision as a result of dust or film formation on the internal glass surface caused by failure of the hermetic seal other than through glass breakage. All components located inside the insulating glass unit are covered by a five (5)-year warranty; any components located outside the insulating glass unit are covered by a two (2)-year warranty. Glass edge separation, changes in properties of interlayer, delamination of glass, glass coatings, and material obstruction through glass not caused by seal failure are not covered beyond the warranty period offered by the original supplier of glass. This warranty does not apply to glass breakage, vandalism, replacement and labor costs, nor delamination of glass after 5 years from date of manufacture.

This warranty is effective only if installation is made in accordance with our specific instructions. This warranty does not apply to units damaged by improper handling or installation. This represents Unicel's maximum liability. The obligations of Unicel under this warranty are limited to the repair or replacement, at Unicel's option, of defective parts of the goods, Ex-Works our plant. This warranty does not apply to replacement units beyond the original five (5)-year period to which the original unit is subjected. Unicel will not be liable for any other expenses involved in the removal of defective units, installation of replacement units, or any other incidental or consequential damages.

Unicel does not authorize any person, dealer, or distributor to create for it any obligation or liability in connection with the goods. Leakage will be the sole responsibility of the glass contractor or installer.

This warranty shall be void if the unit is subjected to abnormal stresses from the load application of heat, excessive vibration, building or foundation movement; if glazed with materials which do not remain resilient for the life of the warranty, or if the methods and materials used in glazing the unit do not completely repel water for the life of the warranty. Unicel reserves the right to inspect, in the field, any part or unit which is allegedly defective, or to request that the unit(s) be returned to Unicel for inspection.

This warranty is valid only if contracts have been paid in full.

Unicel Architectural Corp.