# LUXALON®
## ARCHITECTURAL PRODUCTS

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## LUXALON®
A **HunterDouglas**® PRODUCT

## SHORT SYSTEM DESCRIPTION

The Luxalon® V100/V200 screen ceiling system is a lightweight, floating ceiling. The panels (1&2) are either 101 mm high (V100) or 200 mm high (V200) and can easily be clipped on the carrier (3). The stove enamelled panels and carriers are recycable, lightweight and strong. The panels are made to measure and can be supplied in any length up to 6000 mm.

The panel carrier (3) is white or black, made of 0.95 mm thick stove enamelled aluminium and is provided with prongs to accommodate the panels in a module of 100 mm, 150 mm or 200 mm. Carriers have a standard length of 5000 mm and are connected by using the carrier splice (5).

Fixing clips made of clear PVC (6) can be used for securing the V100 panels in exterior applications.

## PRACTICAL APPLICATIONS

- The Luxalon® screen ceiling is ideal for visual reduction of room height whilst retaining the original room volume.
- Looking at the ceiling in a minimum angle of approximately 45 degrees, the ceiling has a closed appearance.
- The Luxalon® screen ceiling is perfectly suited for concealing pipelines and similar overhead installations and is specially suited to corridor situations.
- The open ceiling gives easy access to the plenum. If necessary, panels can be easily removed and replaced by hand.
- The Luxalon® screen ceiling renders excellent service for diffusing daylight or artificial light entering from above.
- Lighting, sprinklers, smoke detectors, speakersystems, security systems and air conditioning can be installed above the open ceiling without losing their function or efficiency.
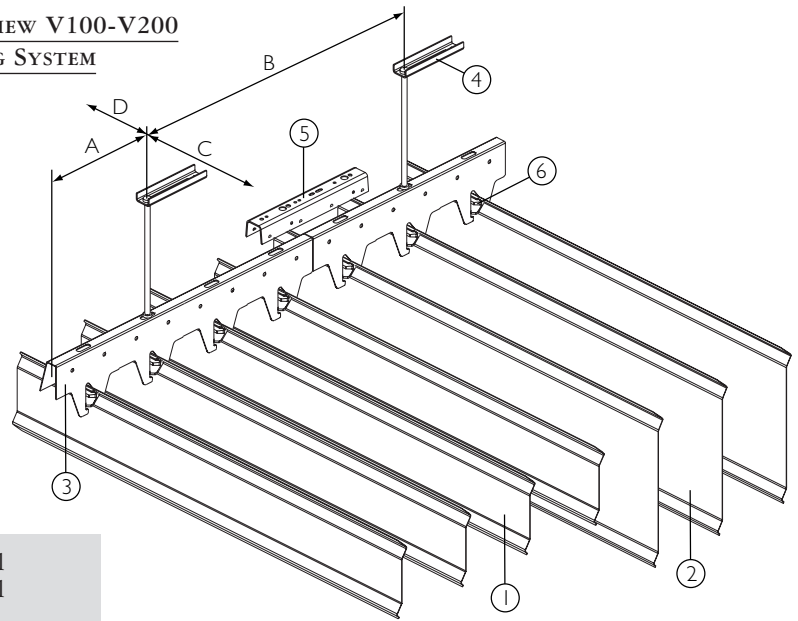
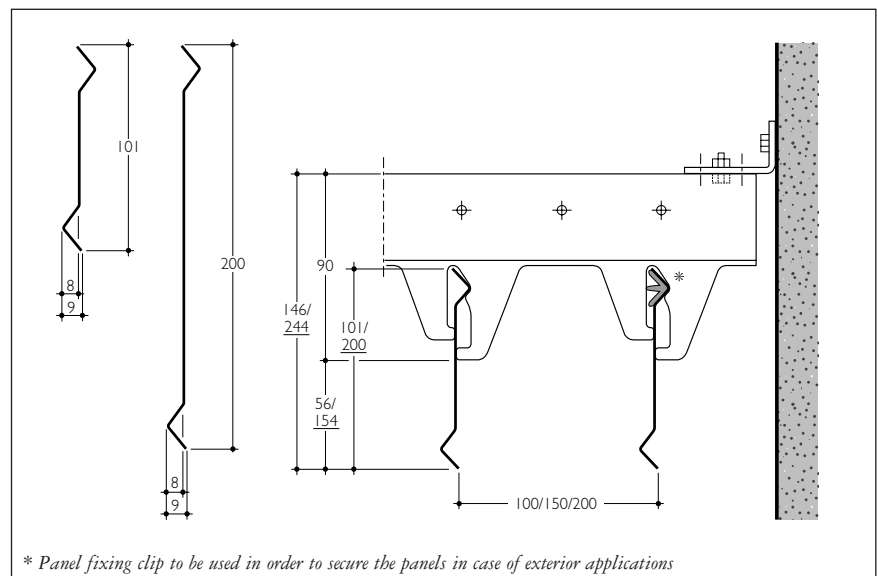## SYSTEM OVERVIEW V100-V200 SCREEN CEILING SYSTEM



1 = V100 panel
2 = V200 panel
3 = carrier
4 = hanger
5 = carrier splice
6 = panel fixing clip

## MAXIMUM SPANS

| Module (mm) | | Carrier span (mm) | | | | | Panel span (mm) | |
|---|---|---|---|---|---|---|---|---|
| | | 2 fixing points | | 3 or more fix. points | | | | |
| | A | B | | B | | | C | D* |
| | | V100 | V200 | V100 | V200 | | | |
| 100 | 500 | 1700 | 1450 | 2000 | 1700 | | 2100 | 600 |
| 150 | 500 | 1850 | 1600 | 2200 | 1900 | | 2100 | 600 |
| 200 | 500 | 2000 | 1750 | 2350 | 2050 | | 2100 | 600 |

*Min. 100 mm*

## PLENUM ACCESSIBILITY

The Luxalon® V100-V200 screen ceiling system allows for easy demounting of the panels. Each panel can be easily removed and replaced by hand. Even without removing the panels, the system allows for easy and full access to services and installations in the plenum.

## STANDARD CONSTRUCTION DETAILS



*Panel fixing clip to be used in order to secure the panels in case of exterior applications*

The Luxalon® V100/V200 sliding screen ceiling system is a lightweight, floatable ceiling with movable panels. The 'sliding ability' of the panels allows the panels to be slid back in sections of ten panels in order to improve access to the plenum. The panels (1&2) are either 101 mm high (V100) or 200 mm high (V200) and can easily be clipped on the carrier (3). The stove enamelled aluminium panels are recyclable, lightweight and strong. The panels are made to measure and can be supplied in any length up to 4000 mm.

The U-shaped carrier (3) is black, made of 0.6 mm thick stove enamelled steel. Panel bracket assemblies, consisting of 10 panelbrackets (polycarbonate) and 9 steel spacers (available in modules: 100, 150 and 200 mm) can be slid into the carriers. Carriers have a standard length of 5000 mm and are connected by using the carrier splice (7).

The sliding screen system can be installed in combination with the standard screen ceiling. The sliding carrier and the fixed carrier, can be connected by using the connecting piece (9).

Panel stops (8) to be used to lock the panels in place.

## PRACTICAL APPLICATIONS

- The Luxalon® sliding screen ceiling can be applied as stand-alone ceiling, or can simply be integrated in the fixed module carrier screen ceiling system, by means of a special connecting piece without any difference in appearance.
- The Luxalon® sliding screen ceiling gives easy access to the plenum as it is not necessary to take out the panels. If necessary, panels can be easily removed and replaced by hand.
- The system is particularly suitable for any area and corridors, where frequent access to the plenum is necessary.
- All other practical applications, which are enumerated at the standard screen ceiling system, also count for the sliding screen system.

## SYSTEM OVERVIEW V100-V200 SLIDING SCREEN CEILING SYSTEM
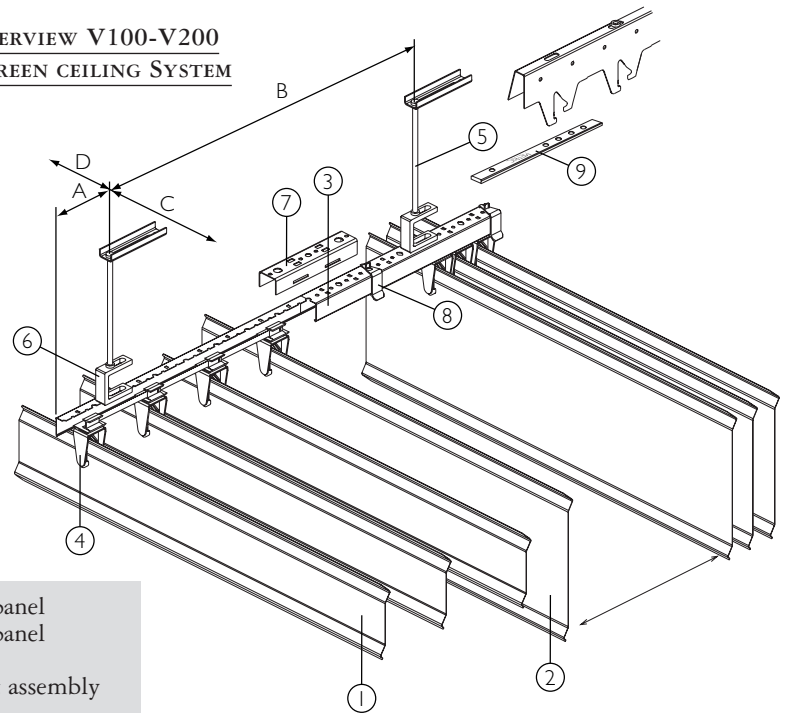


1 = V100 panel
2 = V200 panel
3 = carrier
4 = bracket assembly
5 = hanger
6 = U-bracket
7 = carrier splice
8 = panel stop
9 = connecting piece

## MAXIMUM SPANS

| | Carrier span (mm) | | Panel span (mm) | |
|---|---|---|---|---|
| | A | B | C | D* |
| All modules | > one panel module | 1700 | 1500 | 500 |

*Min. 300 mm*

## PLENUM ACCESSIBILITY

For access to the plenum it is not necessary to take out the panels, because of the sliding ability of the system. If necessary, it is very easy to demount the panels. Each panel can be easily removed and replaced by hand.

## STANDARD CONSTRUCTION DETAILS
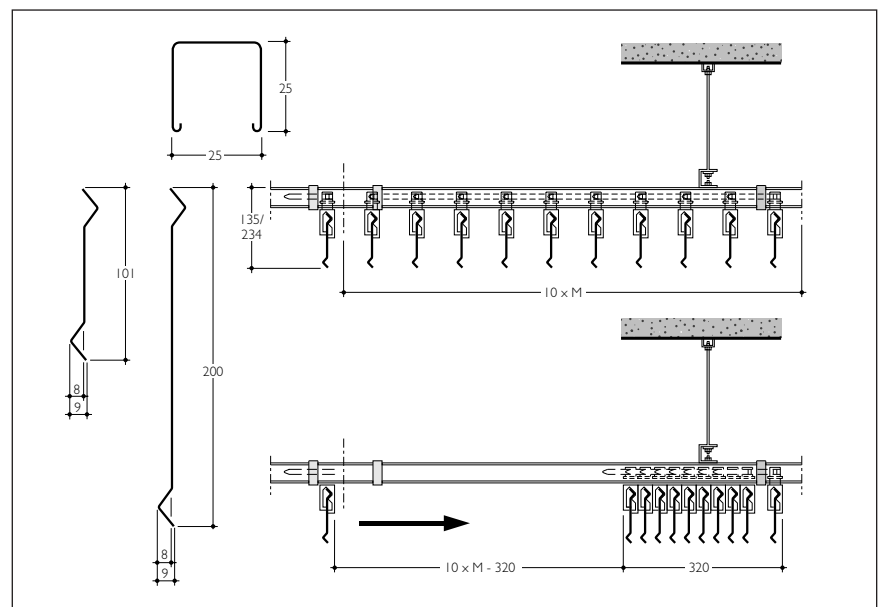
## DIMENSIONS

| Panel | Height | Min. length | Max. length screen ceiling | Max. length sliding screen |
|-------|--------|-------------|----------------------------|----------------------------|
| V100  | 101    | 1000        | 6000                       | 4000                       |
| V200  | 200    | 1000        | 6000                       | 4000                       |

*Panels from 250-1000mm and >6000mm are available on request.*
*Panels larger than 4000 mm are not recommended to be used in a sliding screen ceiling.*

## WEIGHTS IN KG/M²

| Module in mm | V100 panels incl. aluminium carrier | V200 panels incl. aluminium carrier |
|--------------|-------------------------------------|-------------------------------------|
| 100          | 2.1                                 | 3.9                                 |
| 150          | 1.5                                 | 2.6                                 |
| 200          | 1.1                                 | 2.0                                 |

*Weights are based on a system installed on 3 or more fixing points.*

## MATERIAL REQUIREMENT PER M² SCREEN CEILING SYSTEM

|                  | M100      | M150      | M200      |
|------------------|-----------|-----------|-----------|
| Panels           | 10 lm     | 6.67 lm   | 5 lm      |
| Carriers         | 0.48 lm   | 0.48 lm   | 0.48 lm   |
| Carrier splice   | 0.10 pcs  | 0.10 pcs  | 0.10 pcs  |
| Suspension V100  | 0.24 pcs  | 0.22 pcs  | 0.20 pcs  |
| Suspension V200  | 0.28 pcs  | 0.25 pcs  | 0.23 pcs  |
| Panel fixing clip| 4.8 pcs   | 3.2 pcs   | 2.4 pcs   |

*Other accessories depend on individual project requirements.*
*Figures are based on maximum spans and on using 3 or more fixing points.*

## MATERIAL REQUIREMENT PER M² SLIDING SCREEN SYSTEM

|                  | M100      | M150      | M200      |
|------------------|-----------|-----------|-----------|
| Panels           | 10 lm     | 6.67 lm   | 5 lm      |
| Carriers         | 0.67 lm   | 0.67 lm   | 0.67 lm   |
| Carrier splice   | 0.13 pcs  | 0.13 pcs  | 0.13 pcs  |
| Suspension       | 0.4 pcs   | 0.4 pcs   | 0.4 pcs   |
| Bracket assembly | 0.67 pcs  | 0.44 pcs  | 0.33 pcs  |
| Panel stop       | 1.34 pcs  | 0.88 pcs  | 0.67 pcs  |

*Other accessories depend on individual project requirements.*
*Figures are based on maximum spans and on using 3 or more fixing points.*

## MATERIAL SPECIFICATIONS

### - BASE MATERIAL
Luxalon® V100-V200 panels are rollformed from 0.6 mm thick prepainted stove enamelled aluminium strip. All aluminium products can be recycled for the full 100%, requiring very little energy.

### - COATING
The tough and durable polyester finish in a nominal thickness of approximately 20 microns, is stove enamelled in a continuous coil-coating process ensuring uniform coating thickness and absolute adhesion.

### - LUXALON® COLOUR RANGE
The standard Luxalon® colour range for V100-V200 includes different colours and finishes. See Luxalon® colour chart. Any other (RAL or NCS) colour is available on request.

### FIRE BEHAVIOUR
Luxalon® metal suspended ceilings are classified incombustible and will therefore not contribute to possible fires. When ceilings however need to protect the structural integrity of the building, Luxalon® ceilings offer a range of practical and tested solutions with regards to fire stability. Further information is available on request.

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**LUXALON® V100-V200 SCREEN CEILING SYSTEM SPECIFICATION**

**PART 1. V100-V200 SCREEN SYSTEM GENERAL**

*1.1*    *INTRODUCTION*
Supply and fix Luxalon® V100-V200 system as manufactured by
Hunter Douglas Architectural Products.

*1.2*    *DESCRIPTION OF THE SYSTEM*
The system will consist of panels with profiled sides, clipped into an
adjustable suspension system which allows for individual panels to be
removed by hand.

**PART 2. PRODUCT**

_____ m² Luxalon® V100-V200 screen ceiling, consisting of:

*2.1*    *PANELS*
Panels, 101 mm or 200 mm high, with profiled sides (profiledepth is
9 mm), to be manufactured from 0.6 mm thick prepainted, stove
enamelled aluminium strip, alloy EN-AW-5050 or equivalent (according
to EN 1396 and ECCA).

Panels have a length of _____ mm (manufacturer availability
1000-6000 mm and on request 250-1000 mm and > 6000 mm).

*2.2*    *SUSPENSION*
Rows of 0.95 mm Alu rollformed carriers, shall be installed at
_____ centre on centre by means of threaded rods or similar at a
distance of _____, centre on centre. Carriers provided with cut-outs
to hold panels in a standard module of 100 mm, 150 mm or 200 mm.
Carriers will be joined by means of carrier splices.

Fixing clips made of PVC, clipped into the panels in order to secure the
V100 panels.

**PART 3. ADDITIONAL SPECIFICATIONS**

*3.1*    *COATING*
Architect will make a colour selection from the standard Hunter Douglas
colour range for Luxalon® V100 and V200 panels code no. _____ or a
special colour will be made to match.

The coating will consist of a tough and durable polyester finish in
nominal thickness of approximately 20 microns, applied in a continuous
coilcoating process ensuring uniform coating and absolute adhesion.

*3.2*    *INSTALLATION*
All materials shall be installed in strict compliance with all local codes,
ordinances and manufacturers recommendations including specific
additional requirements as may be called for in the specifications or
shown on the drawings.

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# Luxalon® V100-V200 sliding screen ceiling system specification

## Part 1. V100-V200 sliding screen system general

*1.3*    **INTRODUCTION**
Supply and fix Luxalon® V100-V200 sliding screen ceiling system as manufactured by Hunter Douglas Architectural Products.

*1.4*    **DESCRIPTION OF THE SYSTEM**
The system will consist of panels with profiled sides, which can be clipped into movable bracket assemblies that are inserted in the U-shaped carrier. The panels can simply be slid back in sections of ten panels to have full access to the plenum.

## Part 2. Product

_____ m² Luxalon® V100-V200 sliding screen ceiling, consisting of:

*2.3*    **PANELS**
Panels, 101 mm or 200 mm high, with profiled sides (profiledepth is 9 mm), to be manufactured from 0.6 mm thick prepainted, stove enamelled aluminium strip, alloy EN-AW-5050 or equivalent (according to EN 1396 and ECCA).

Panels have a length of _____ mm (manufacturer availability 1000-4000 mm and on request 250-1000 mm).

*2.4*    **SUSPENSION**
Rows of 0.6 mm steel rollformed U-shaped carriers shall be installed at _____ centre on centre by means of threaded rods or similar connected to aluminium extruded brackets at a distance of _____, centre on centre. Carriers will be joined by means of carrier splices.

Carriers provided with panel bracket assemblies consisting of 10 panel-brackets and 9 spacers M = 100 mm, 150 mm or 200 mm. Panel stops to position the panel bracket assemblies (2 pcs per section of 10 panels).

## Part 3. Additional specifications

*3.3*    **COATING**
Architect will make a colour selection from the standard Hunter Douglas colour range for Luxalon® V100 and V200 panels code no. _____ or a special colour will be made to match.

The coating will consist of a tough and durable polyester finish in nominal thickness of approximately 20 microns, applied in a continuous coilcoating process ensuring uniform coating and absolute adhesion.

*3.4*    **INSTALLATION**
All materials shall be installed in strict compliance with all local codes, ordinances and manufacturers recommendations including specific additional requirements as may be called for in the specifications or shown on the drawings.

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