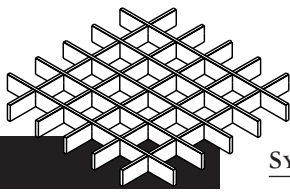


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**LINAGRID**

**SYSTEM OVERVIEW LINAGRID 40 CEILING SYSTEM**

**SHORT SYSTEM DESCRIPTION**

The panels of the Luxalon® Linagrid ceiling system are assembled from U-shaped, 10 mm wide, 39 mm deep, 0.4 mm thick aluminium profiles. These profiles are clipped into U-shaped 15 mm wide, 38 mm deep, 0.4 mm thick supporting spacerprofiles. This economical panel is hung into a suspension system to the U-profiles, forming an integrated monolithic linear grid open ceiling.

The Luxalon® Linagrid ceiling system is provided in two variations, Linagrid 40, and Linagrid 40 Swing Down both of which allow easy access into the plenum.

The Luxalon® standard range of edge profiles can be used as perimeters.

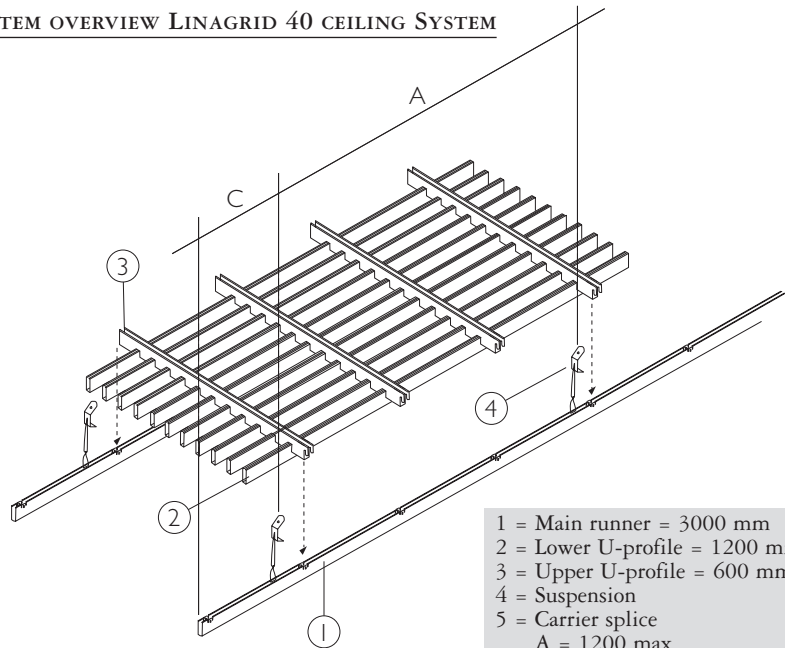
**AESTHETICS.**

The ceiling profiles are manufactured to a close tolerance, the U-profiles having returned top edges to form a much stronger section which in return provides an assembled panel that is robust and rigid.

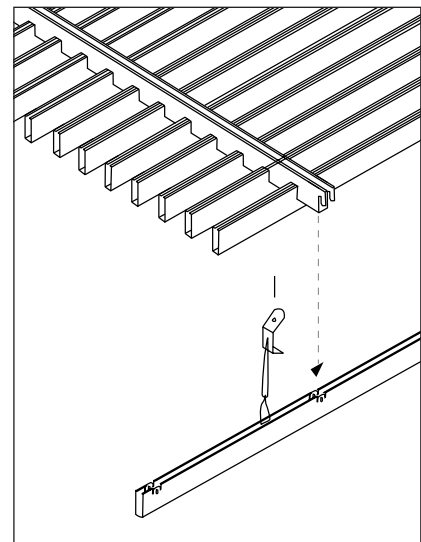
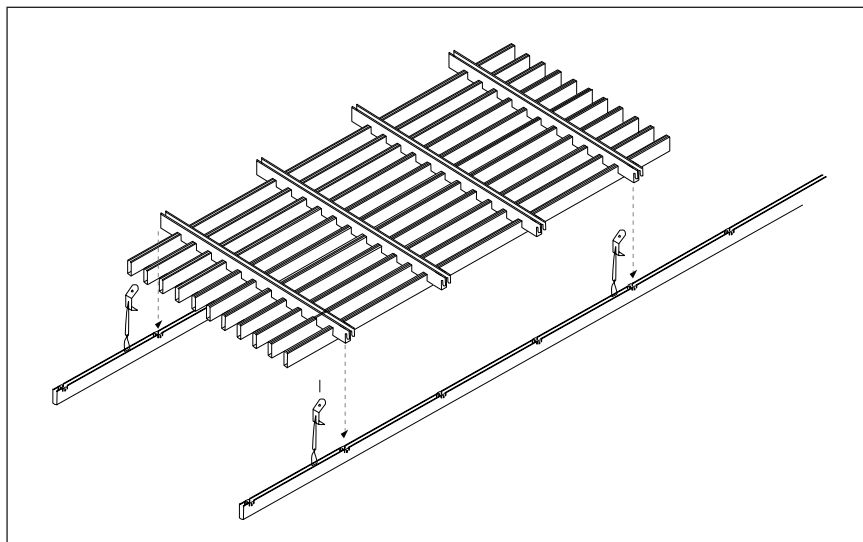
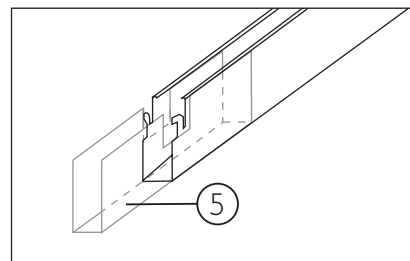
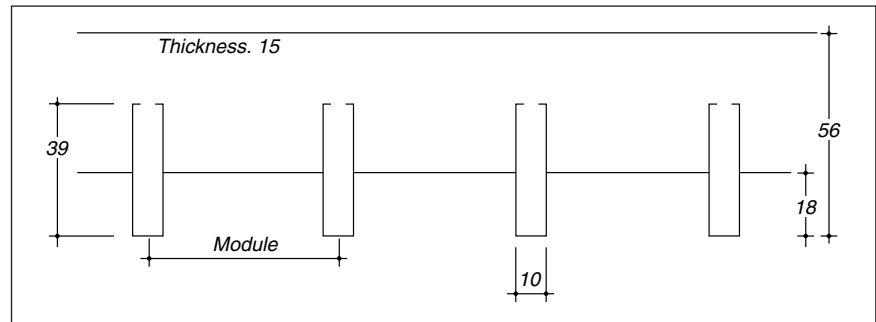
**APPLICATIONS**

The Luxalon® Linagrid 40 ceiling is highly recommended for spaces where:

- The maximum volume of space has to be retained for air handling and smoke extraction.
- The service elements within the ceiling are to be obscured from view while retaining their full functioning.

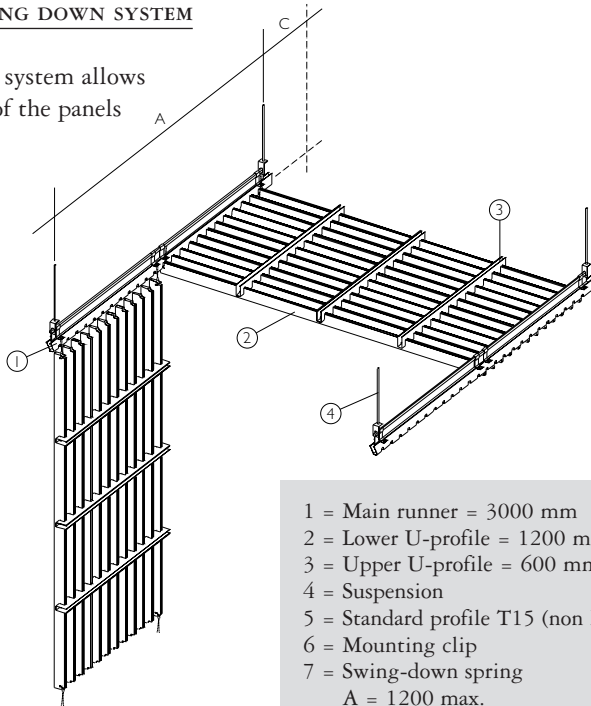


- 1 = Main runner = 3000 mm
- 2 = Lower U-profile = 1200 mm
- 3 = Upper U-profile = 600 mm
- 4 = Suspension
- 5 = Carrier splice
- A = 1200 max.
- C = 300 max.



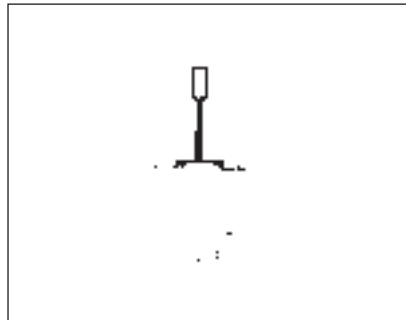
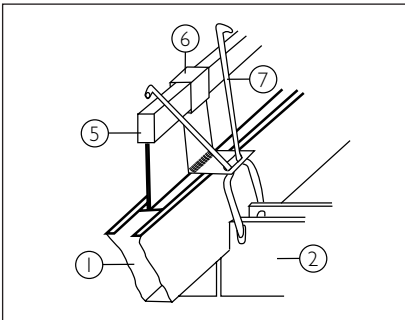
## MOUNTING SWING DOWN SYSTEM

The Swing down system allows for demounting of the panels from below.



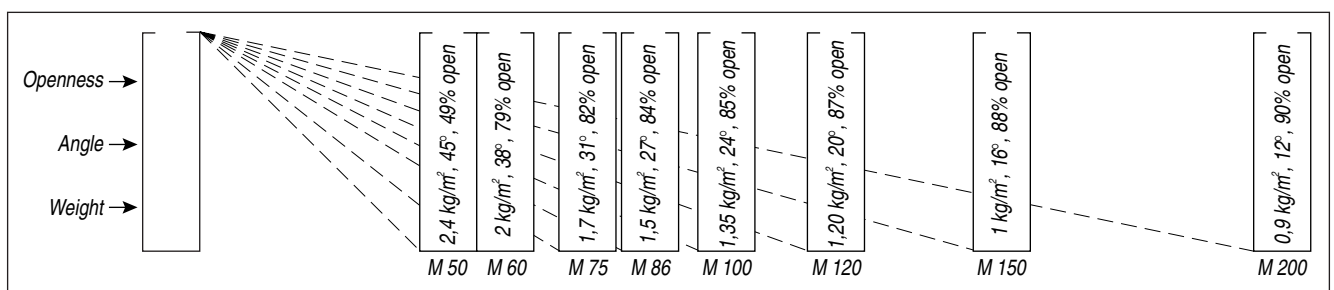
- 1 = Main runner = 3000 mm
- 2 = Lower U-profile = 1200 mm
- 3 = Upper U-profile = 600 mm
- 4 = Suspension
- 5 = Standard profile T15 (non HD)
- 6 = Mounting clip
- 7 = Swing-down spring
- A = 1200 max.
- B = 300 max.

## DETAIL DEMONTAGE



## MODULES, WEIGHTS AND VIEWING ANGLES

Module	Weight Kg/m <sup>2</sup>	Viewing Angle	Open- ness
50 x 300	2.4	45°	76%
60 x 300	2.0	38°	79%
75 x 300	1.7	31°	82%
86 x 300	1.5	27°	84%
100 x 300	1.4	24°	85%
120 x 300	1.2	20°	87%
150 x 300	1.0	16°	88%
200 x 300	0.9	12°	90%



Linagrid, 10 mm thickness; module, viewing angles, openness.

## MATERIAL SPECIFICATIONS

### – BASE MATERIAL

Luxalon® Linagrid panels are roll-formed from 0.4 mm thick pre-painted stove enamelled aluminium strip of alloy HD5050 or equivalent (according to norms EN1396 and ECCA). All aluminium products can be recycled for the full 100% requiring very little energy.

### – COATING

The tough and durable polyester double layer finish in a nominal thickness of 20 microns, is stove enamelled in a continuous coil-coating process ensuring uniform coating thickness and guarantees optimum adhesion.

### – LUXALON® COLOUR RANGE

Linagrid 40 is standard available in White 0181 (RAL 9003), grey aluminium 7163 (RAL 9006) and black.

The standard Luxalon® colour range includes different colours and finishes. See Luxalon® colour chart. Any other (RAL or NCS) colour is available on request.

### – PLENUM ACCESSIBILITY

The Luxalon® Linagrid system allows for easy demounting of the panels. The standard panel can be easily lifted and removed upwards allowing easy and full access to services and installations in the plenum. The minimum free space for comfortable demounting is 130 mm.

The Swing down system allows for demounting the panels downward, the panels swing and stays suspended and allows for intervention in the plenum.

## FIRE BEHAVIOUR

Luxalon® metal suspended ceilings are classified incombustible and deemed to be Class 0 spread of flame and will therefore not contribute to possible fires. Luxalon® grid systems create open ceilings by which large quantities of air and smoke can be extracted, allowing a better visibility of the safe ways.

## LUXALON® LINAGRID 40 SYSTEM SPECIFICATION

### 1 GENERAL

#### 1.1 INTRODUCTION

Supply and fix Luxalon® Linagrid 40 Ceiling System as manufactured by Hunter Douglas Architectural Products.

#### 1.2 DESCRIPTION OF THE SYSTEM

The system will consist of cell tiles integrating with a semi-disguised suspension grid, formed by interlocking U-shaped profiles. System to allow for easy placement and removal of the tiles. For a fast access from below, the Swing down system will be installed.

### 2 PRODUCT

#### 2.1 PANELS

\_\_\_\_\_ m<sup>2</sup> Luxalon® Linagrid 40 Ceiling to be manufactured from pre-painted, stove enamelled aluminium material, alloy HD5050 or equal (according to EN 1396 and ECCA standards), thickness 0.40 mm to achieve a cell size of \_\_\_\_\_ x \_\_\_\_\_ mm. The tile size shall be 600 x 1200 mm (standard) or \_\_\_\_\_ x \_\_\_\_\_ mm.

All lower U-profiles to be 10 mm wide and 39 mm high and to have 2.6 mm wide return top flanges. These profiles shall be fixed onto upper profiles with a U shape and a width of 15 mm and a length of 600 mm, with a module of 300 mm. The assembly of those two elements creates a level difference of 18 mm. The total height of the panel is 56 mm.

The visual of the ceiling will be dominated by the lower profiles, creating a linear monolithic look. The upper profiles and suspensions are hardly visible.

#### 2.2 SUSPENSION

When incorporated into the suspension grid, the tiles shall fully integrate in the cell ceiling. U-profiles of the grid and of the tiles to be in the same colour coating quality.

##### 2.2.A STANDARD SUSPENSION

The suspension system will be the standard type and will consist of main runners in U-shape with a width of 10 mm and a length of 3000 mm, pre-notched every 300 mm. Rows of main runners are to be installed at 600 mm centres by means of \_\_\_\_\_ mm high rod hangers fixed to the main runners by means of Luxalon® Cell hangers, allowing for level adjustment, at a maximum distance of 1000 mm centre to centre. Each Linagrid 40 tile will be hooked into the main runners with double pre-notched hooks at all upper profile-ends.

##### 2.2.B SWING DOWN SUSPENSION

The suspension system shall be the Swing down system which allows for easy placement and removal of the tiles and allowing direct downward tile removal. The suspension will be made from standard T-profiles with a base of 15 mm and a height of 38 mm, installed parallel at a distance of 1200 mm. The T-profiles shall be equipped with mounting clips into which the suspension clips will slide. The panels can swing down from the short side, and remain suspended at full length.

### 3 ADDITIONAL SPECIFICATIONS

#### 3.1 PERIMETER PROFILES

- L-profiles (25 x 50 mm) made of 0.5 mm thick aluminium, for wall-to-wall installation
- C-shaped profiles (10 x 40 mm), made of 0.6 thick aluminium, clipping on the edges of the cell ceiling, for floating installation with oblique angles or non-modular trimming.

All perimeter profiles to have the same colour coating quality as the Luxalon® Linagrid 40 Ceiling on all visually exposed sides.

#### 3.2 COATING

Architect will make a colour selection from the standard Hunter Douglas colour range for Luxalon® Linagrid 40 code no. \_\_\_\_\_ or a special colour will be made to match \_\_\_\_\_.

The coating will consist of a tough and durable 2-layer polyester finish in nominal thickness of 20 microns, applied in a continuous coil-coating process ensuring uniform coating and absolute adhesion.

#### 3.3 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.

#### 3.4 SUBSTITUTION

Ceiling installers wishing Luxalon® Linagrid 40 Ceiling System shall, at least 10 days in advance of the bid date, submit to the architect complete descriptive information of the total system concept and performance data tests made as a system. In addition include a list of similar installations of the proposed substitution. If approval is made an addendum will be issued enumerating such approved system as herein set forth.

## LUXALON® CEILING SYSTEMS

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