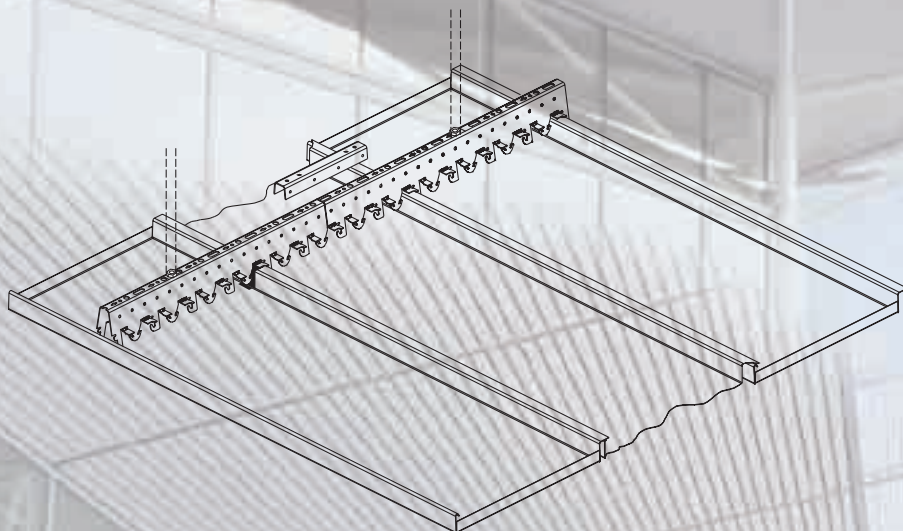


**LUXALON**<sup>®</sup>  
ARCHITECTURAL PRODUCTS

**WIDE PANEL EXTERIOR 300A CEILING**

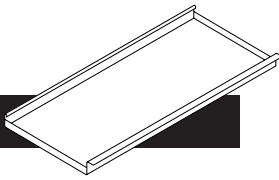


[www.luxalon.com](http://www.luxalon.com)

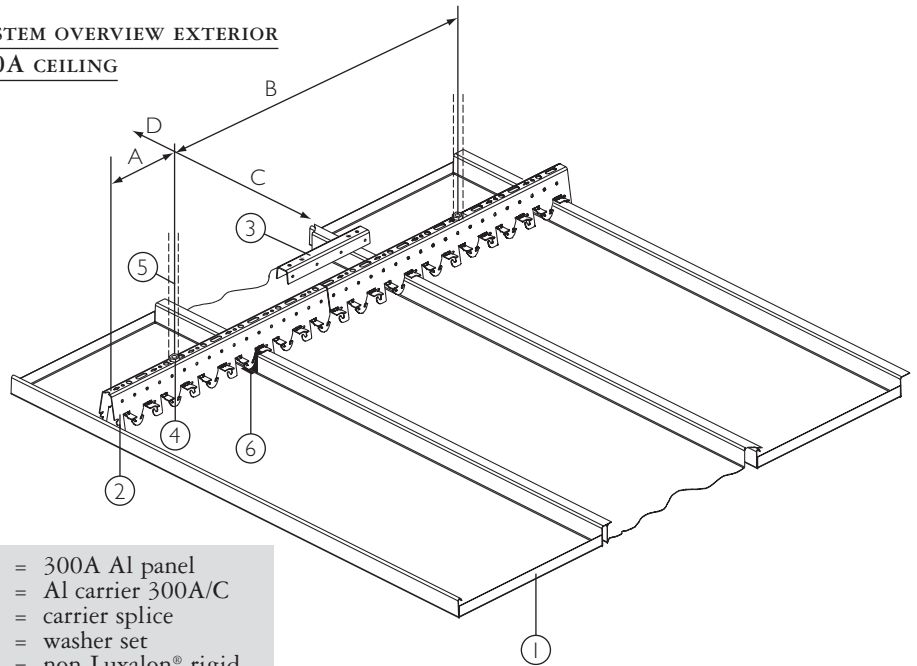


**LUXALON**<sup>®</sup>  
A HunterDouglas<sup>®</sup> PRODUCT

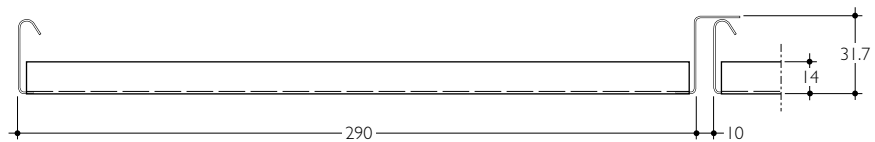
## WIDE PANEL



### SYSTEM OVERVIEW EXTERIOR 300A CEILING



- 1 = 300A Al panel
- 2 = Al carrier 300A/C
- 3 = carrier splice
- 4 = washer set
- 5 = non-Luxalon® rigid suspension
- 6 = panel locking clip



#### SHORT SYSTEM DESCRIPTION

The 290 mm wide panels (1), with a module of 300 mm, are made to measure to a standard maximum length of 6000 mm. 300A panels have a recessed joint of 10 mm width and a depth of 31 mm. They can simply be fixed on the carrier (2) by laying the flange of the panel on the adjacent panel and then hooking the opposite side on the prong of the carrier. The panels have straight 14 mm high upstands at the panel ends to provide rigidity and flatness to the panels. The aluminium panels are recyclable, lightweight and strong. The panel carrier is black, made of 0.95 mm thick aluminium and is provided with prongs to accommodate the panels. Locking clips (6) are fitted crosswise on to every panel, adjacent to the carriers, in order to fully secure the panels and to create a ceiling able to withstand windloads. The carriers can be suspended at centres determined by the windloading graphs (see opposite page) using a rigid levelled suspension system using the washer set (4) to isolate dissimilar metals.

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

#### MAXIMUM SPANS

Panel type	Carrier span (mm)		Panel Span (mm)			
	A	B	on 2 carriers		on 3 or more carriers	
			C	D	C	D
300A	300	See graph next page	See graph next page	1/4 x C max 600	See graph next page	1/4 x C max 600

#### DIMENSIONS & WEIGHTS

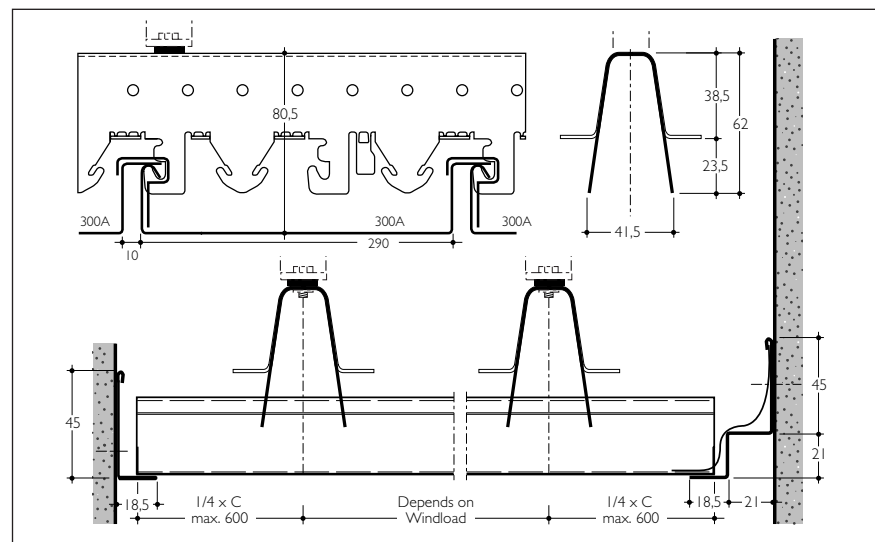
Panel	Module	Min. length	Max. length	Weight/m <sup>2</sup>
Alu 0.7	300	1000	6000	3.7 kg

*Panels from 600-1000 mm are available on request.*

#### PRACTICAL APPLICATIONS

- Panel length made to measure up to 6000 mm, reducing the need for joining the panels to a minimum.
- 290 mm wide panels can achieve an extremely cost effective ceiling solution, especially in all larger areas.
- Panels are made from a corrosion resistant alloy.
- The patented Luxacote® coating guarantees colour stability and high resistance against scratches and corrosion.
- The small joint, in combination with the flange, creates a (visually) closed ceiling.

#### STANDARD CONSTRUCTION DETAILS



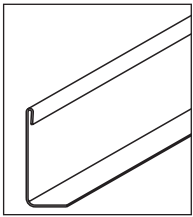
## MATERIAL REQUIREMENT PER M<sup>2</sup>

	Unit	300A Exterior Ceiling
Panels	lm	3.33
Carrier	lm	1.47
Carrier splice	pcs	0.29
Suspension	pcs	4.2*

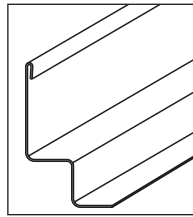
\* The required number of components depends on individual project requirements.

Figures are based on a ceiling installed on 4 or more carriers and submitted to a windload (pressure of 1500 N/m<sup>2</sup>).

## EDGE PROFILES



Wall L-profile Alu  
(45 x 18.5)



Wall W-profile Alu  
(45 x 21 x 21 x 18.5)

## PLENUM ACCESSIBILITY

The Luxalon® exterior 300A system allows for easy demounting of the panels. Installed on a concealed suspension system, each panel can be removed and replaced by hand allowing easy and full access to services and installations in the plenum.

## MATERIAL SPECIFICATIONS

### - BASE MATERIAL

Luxalon® 300A panels are rollformed from 0.7 mm thick pre-painted stove enamelled aluminium strip. All aluminium products can be recycled for the full 100% requiring very little energy. ♻️

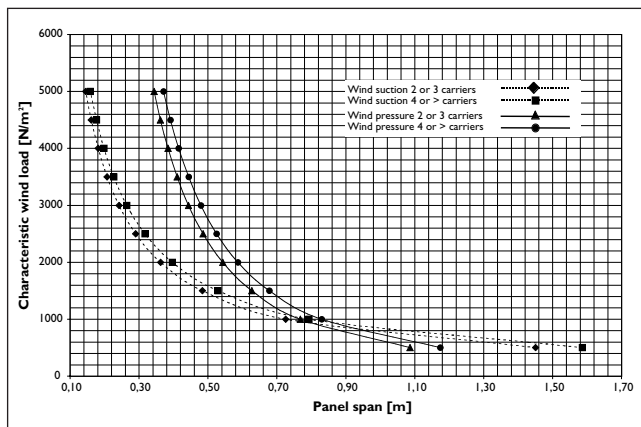
### - COATING

The tough and durable Luxacote® finish in a nominal thickness of approximately 20 microns, is stove enamelled in a continuous coil-coating process ensuring colour stability. The Luxacote® finish guarantees optimum adhesion and excellent resistance to weathering.

### - LUXALON® COLOUR RANGE

The standard Luxalon® colour range for 300A exterior ceilings includes different colours and finishes. See Luxalon® exterior colour chart. Any other (RAL or NCS) colour is available on request.

## PANEL SPAN



## MAXIMUM SPANS

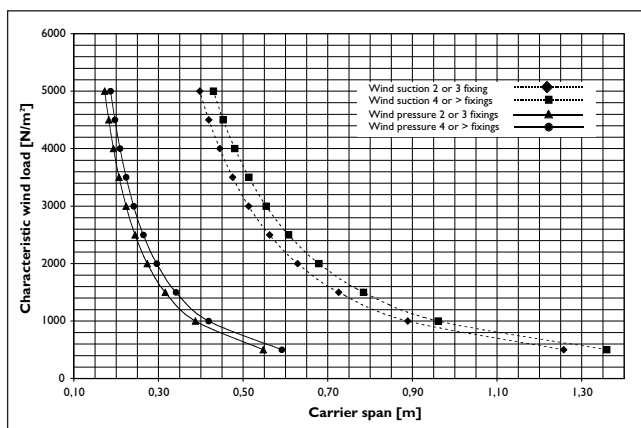
### - PANEL SPAN (C)

The panel spans, in relation to the wind load (pressure or suction), can be calculated from the graph adjacent. At 800 N/m<sup>2</sup> pressure, the panel span should be 950 mm (on 4 or more carriers).

### - WINDLOADS

All Luxalon® Exterior Ceilings are tested on resistance to windloads. Testreports are available on request.

## CARRIER SPAN



### - CARRIER SPAN (B)

Before establishing the fixing distance of the carriers, the load per lineal meter carrier is to be determined by applying one of the following formulas:

Panels installed on:	Calculation of 'load per lineal meter carrier'
2 carriers	0.5 q x panel span (C) in m
3 carriers	1.25 q x panel span (C) in m
4 or more carriers	1.15 q x panel span (C) in m

q = windload in N/m<sup>2</sup> (uniformly distributed loads)

The carrier span (screw distance) (B) can be read from the graph below in the same way as the panel span.

**Note:** For corners, roof edges, special designs etc. wind pressure/suction shall be determined with due consideration to the relevant local country's Standard Codes of Building Practice.

## LUXALON® WIDE PANEL EXTERIOR 300A CEILING

### PART 1. SYSTEM GENERAL

#### 1.1 INTRODUCTION

Supply and fix Luxalon® 300A Wide Panel Exterior Carrier System as Manufactured by Hunter Douglas Architectural Products.

#### 1.2 DESCRIPTION OF THE SYSTEM

The system will consist of panels fixed to a rigid and levelled suspension system which allows for all individual panels to be removed by hand. The suspension system consist of a non Luxalon® supporting system. To prevent contact corrosion by applying dissimilar metals each fixing of the carrier to the sub-construction must be made through the Luxalon® washer set.

### PART 2. PRODUCT

\_\_\_\_\_ m<sup>2</sup> Luxalon® 300A Wide Panel Exterior Carrier Ceiling consisting of:

#### 2.1 PANELS:

Panels to be rollformed from 0.7 mm thick stove enamelled aluminium strip. The 290 mm wide panels (one side flanged) to feature 10 mm wide and 31 mm deep recessed joints to create a (visually) closed ceiling. Panels to have straight 14 mm high upstands at the panel ends to provide rigidity and flatness to the panels.

Panels to be manufactured from prepainted, stove enamelled, alloy EN-AW-3005 or equivalent (according to EN 1396 and ECCA). Panels to have a length of \_\_\_\_\_ mm (manufacturer availability 1000-6000 mm and on request 600-1000 mm)

#### 2.2 SUSPENSION

Rows of 0.95 Alu rollformed carriers shall be installed at \_\_\_\_\_ centre on centre by means of rigid and levelled suspensions at a distance of \_\_\_\_\_, centre on centre. Carriers will be joined by means of carrier splices. To secure the panels, special locking-clips will be fitted crosswise over 2 panels and into the carrier prong.

### PART 3. ADDITIONAL SPECIFICATIONS

#### 3.1 PERIMETER PROFILES

- Wall L-profile, 45 x 18.5 mm made of 0.8 mm thick aluminium
- Wall W-profile, 45 x 21 x 21 x 18.5 mm made of 0.8 mm thick aluminium

#### 3.2 COATING

Architect will make a colour selection from the standard Hunter Douglas colour range for Luxalon® exterior 300A panels code no. \_\_\_\_\_ or a special colour will be made to match.

The coating will consist of a tough and durable Luxacote® finish in a nominal thickness of approximately 20 microns, applied in a continuous coilcoating process ensuring colour stability. Luxacote® finish guarantees optimum adhesion and excellent resistance to weathering

#### 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.



**LUXALON®**  
ARCHITECTURAL PRODUCTS

#### LUXALON® CEILING SYSTEMS

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