



**A-1 FENCE**  
Fence & Fence-ability

**BEAUTIFYING SPACES  
PROTECTING ASSETS**



**UNICO**Aura

Modular Fencing System

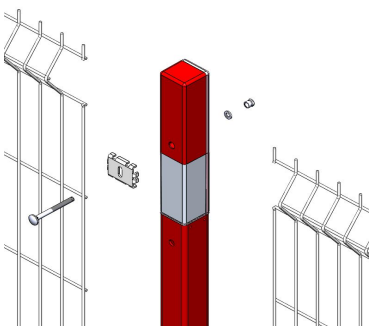


# UNICO® Aura

## Modular Fencing Systems for Illuminated Perimeter Demarcation

UNICOAura is a modular weld-mesh fencing system that offers a unique combination of illumination and demarcation. The fence posts are designed with inbuilt energy efficient LED lights for illumination. Modular design allows end-users and DIY enthusiasts to order components and assemble the UNICOAura fence without any on-site welding or painting in a few hours. The electricals are designed to be easily connected to the supply.

UNICOAura fences offer the UNICOPlatform benefits of robot-welded strong metal meshes and eye-catching finish, that is easy to hose down, UV resistant, corrosion-free and does not peel nor require repainting after every monsoon. Multiple options in sizes and colours enable interesting and creative permutations to achieve configured solutions that are site-specific and aligned to an overall design theme.



UNICOAura is distinctive in its elegant rectangular mesh pattern and illuminated square post design, that is propriatry to A-1. Posts without light are also available to enable creation of interesting lighting patterns..

## UNICO Aura APPLICATIONS



Bungalows



Parks & Playgrounds



Schools & Colleges



Commercial & Residential Buildings



Walkways

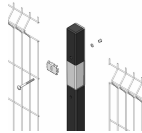


Factories & Warehouses

## FEATURES

## BENEFITS

Distinctive fence post available both with and without lighting.



Illuminated landscape

Modular component design



On-site assembly and installation without painting or welding.

Multiple height options



Use 4 ft high panels as wall-tops, or the 6 ft panels for ground-up fencing.

Choice of colour



Mix and match panels and posts for innovative patterns.

**UNICO** finish



Bright and vibrant UV resistant colours, provide long life, resistant to fading, corrosion resistance, elimination of re-painting, freedom from peeling.

Mass-produced in a factory on automated machines



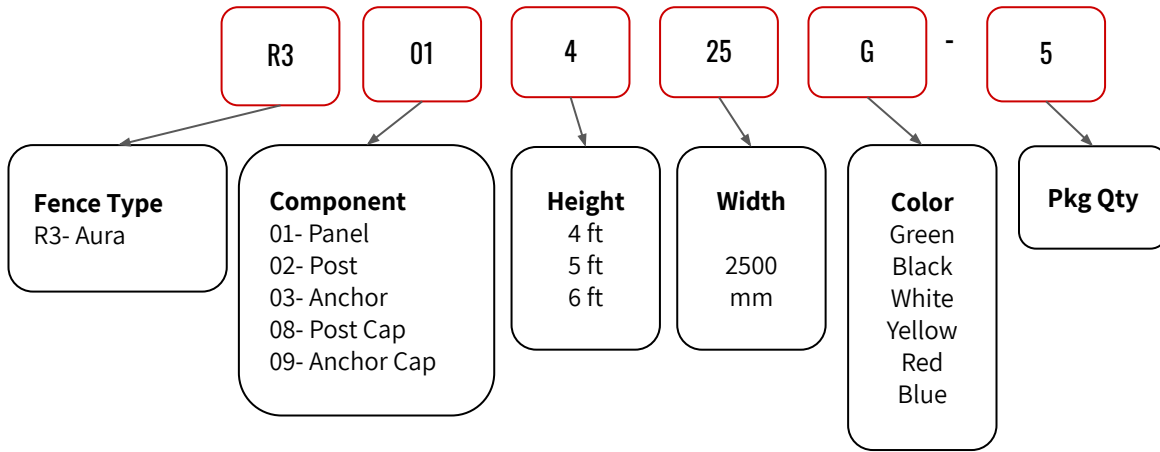
Uniform and long-lasting welds, dimensional fidelity for field assembly.

## COLOR PALETTE


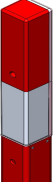


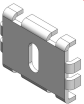
Our Proprietary **UNICO** powder coating process adds the beauty of colors to the fence. There is a varied color palette to choose from. The modularity also adds the advantage of mix and match of colors.

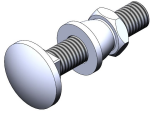
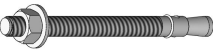

COLOR CODE	X	RAL CODE	COLOR REPRESENTATION
White	W	9010	
Grey	Y	7016	
Red	R	3020	
Yellow	L	1021	
Blue	U	5015	
Green (STD)	G	6005	

## PART CODE

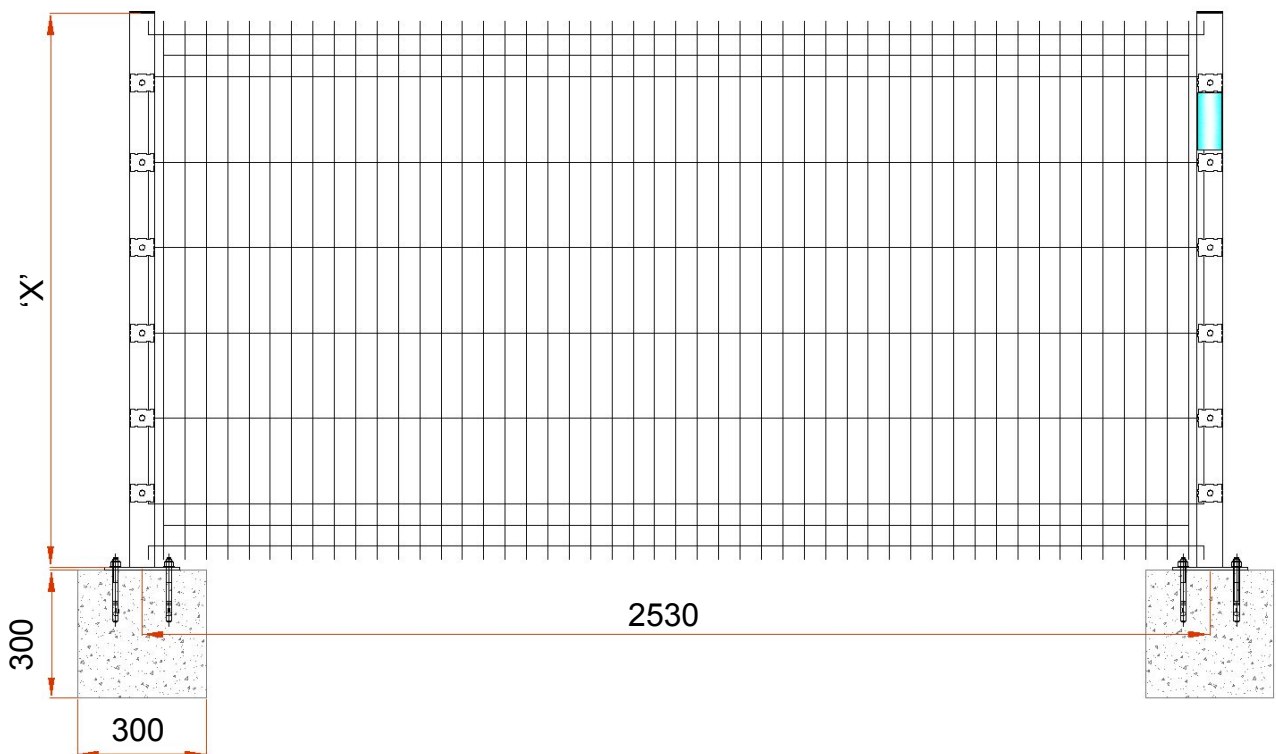


## UNICO Aura COMPONENTS

Part name	Part no	Description
<b>Aura Panel</b> 	R101425G-1 R101425G-5 R101525G-1 R101525G-5 R101625G-1 R101625G-5	Aura panel provides aesthetic demarcation and generous see-through visibility without compromising strength and stiffness. The end vertical wire loops in the post forming a joinery less connection.
<b>Aura Fencil Post</b> 	R302430G-2 R302431G-2 R302530G-2 R302531G-2 R302630G-2 R302631G-2	Aura Fencil post has a light box built into the post; with the electric wiring routed inside the post for concealment. These posts can be used at corners and intermediate positions in a pattern to illuminate the site as per the architect's requirements.
<b>Aura Post</b> 	R302410G-2 R302411G-2 R302414G-2 R302510G-2 R302511G-2 R302514G-2 R302610G-2 R302611G-2 R302614G-2	Aura posts (without lights).
<b>Aura Post Cap</b> 	R908110G-200 R950110Z-1000	Top cover to the post to prevent ingress of water and dust.
<b>Spider Clamp</b> 	R907121G-500	These clamps are used to connect the panel to the post and hold the panel in position on the post.

Part name	Part no	Description
Anchor Caps 	R950113Z-500	Mushroom bolt and Security nuts are used to fix the spoon clamp to the post. The Security nut is a tamper proof fixing as normal tools cannot open it once fixed.
Anchors 	R903110Z-150	Galvanised fasteners designed to hold the fence in place. It transmits the load of the fence to the ground.
Anchor Caps 	R909110B-200 R909110G-200	Caps to protect the anchors from dust and rainwater.

## SYSTEM DIMENSIONS



All dimensions are in mm

	Mini	Reg	Maxi
'X'	1300 mm	1600 mm	1900 mm

## UNICO Aura SPECIFICATIONS

### Raw Materials:

#### Panel:

**Galvanised MS Wire:** Over 40 GSM  
**Tensile Strength:** Over 65 kg/mm<sup>2</sup>

#### Post:

**Pre-Galvanised MS** 80 GSM

#### Baseplate:

**Pre-Galvanised MS**

#### Post Cap:

**PVC**

#### Anchors:

**GI**

#### Anchor Caps:

**PVC**

### Coating:

**Process-** Pure Polyester Coating (PPC)

**Thickness-** Over 65 microns

**Test-** 1000 hrs Salt Spray Tested

### Welding Specification:

**Welding Process-** Electrical resistance welding

**Weld Strength-** The average shear strength of 4 welds randomly taken will exceed 50% of the breaking strength of vertical wire.

### Quality Check:

**Complies BS-EN10223-4/7** standards

**Sample Testing done** as per IS2500

**Mesh Aperture-** Tolerance of  $\pm 2$  mm maintained

### Light specs:

**Light Color:** 6500K (cool white)

**Input -** 90V Ac to 270V Ac

**Power -** 9 Watt

**Source-** Osram LED 3030

**IP Ratings -** IP67

**Casing -** Polycarbonate

## DIMENSIONS

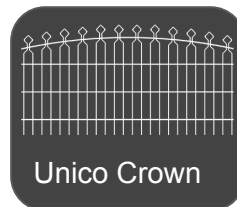
	Mini	Regular	Maxi
Panel Height	1260	1560	1880
Panel Width	2500		
Post C-C	2530		
Post Length	1300	1600	1900
Post Type	Square Profile		
Number of Fixings per post	6		
Anchors	M12 x 150		

All dimensions are in mm

## WARRANTY STATEMENT

We assure our customers that all UNICO products shall be manufactured conforming to the prevailing Quality specifications and standards. UNICO Aura standard fence components set in normal fencing conditions are warrantied for a period of two years. This does not cover the light. Please see [a-1fence.in/warranty](http://a-1fence.in/warranty) for detailed information on warranties.

## RELATED SOLUTIONS



## ABOUT A-1

A-1 Fence is an industry leader in providing perimeter security solutions. We are passionate about design and this finds expression in all our products and solutions. Our products are backed by prompt deliveries through a network of solution partners. See [a-1fence.in](http://a-1fence.in) for details.



Improving Built Environments  
Through Better Design

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