

## Introduction

The Levolux 880 Tensioned Fabric System has been designed for horizontal, vertical or sloping glazing for internal or external applications. The 880 offers designers the benefits of crisp, taut, fabric, automatic operation, total retraction and easy glazing maintenance. The system is compact, cost effective and operable at any angle.

## Features & Benefits

**Aesthetically pleasing** - Screen fabrics are available in a wide choice of colours that retain outward vision. Blackout fabrics are also available. The compact, single roller allows discreet mounting in the most convenient position.

**Automatic control** - Allows full advantage to be taken of the blinds to keep heat out during the day - or in, at night.

**Solar heat gain reduction** - When fitted externally the blinds can reduce solar heat gain by up to 90%.

**Suitable for any angle or shape** - The system can be operated at any angle - horizontal, sloping or vertically upwards - and can be designed for many shapes - equilateral, tapered or triangular. Providing designers with great scope.

**Optimum daylight usage** - The system is fully retractable, opening up to give maximum daylight - or closing to give maximum shading when in position.

**Enhances atrium structure** - Tension mechanism gives a taut sharp appearance.

## The Range

**Levolux 880U - Unguided**

**Levolux 880G - Guided**

**Levolux 880x - External**

**Levolux 880D - Double Roller**

The Levolux 880U, 880G and 880x systems use a single roller that holds the fabric, electric motor and the tension mechanism. The motor drives the blind into the shading position using discreet stainless steel draw cables. The cables travel around small return pulleys at the far end of the blind, through the leading edge hembar and are stored on slim cable drums at each end of the drive roller.

The Levolux 880G has aluminium side guides that incorporate the return pulleys.

The Levolux 880x has an extruded aluminium two part

“hood” that encloses the roller, motor and tension mechanism making it suitable for external applications.

**The Levolux 880D** comprises an aluminium H-frame containing two rollers which are coupled together. One roller carries a fabric and the other roller has two cable drums to take up a wire which runs through the hem-bar on the end of the fabric.

The fabric roller contains an electric motor to drive the blind and the cable-drum roller contains a spring-tension compensation cassette to maintain a constant tension in the fabric. The two rollers are coupled together at one end by a chain drive so that both rollers are effectively powered.

The tension wire is attached to one cable drum, fed to the return pulley located at the extremity of the blind, back to the hem-bar, through the hem-bar back via a second return pulley to the second cable drum.

## System Construction

All components are subject to rigid quality standards and are designed to produce a high performance product with an aesthetically pleasing finish. The main components of the Levolux Tensioned Fabric System are:

### Roller assemblies • Guides • Fabric cover

The roller assemblies contain the motor, tension mechanism and cable drums. The guides, hem bars, hoods and brackets are all made of aluminium extrusions or castings. The fabric covers can be made from a wide range of suitable fabrics for sunscreening or room darkening (with the addition of side baffles and brushes if required).

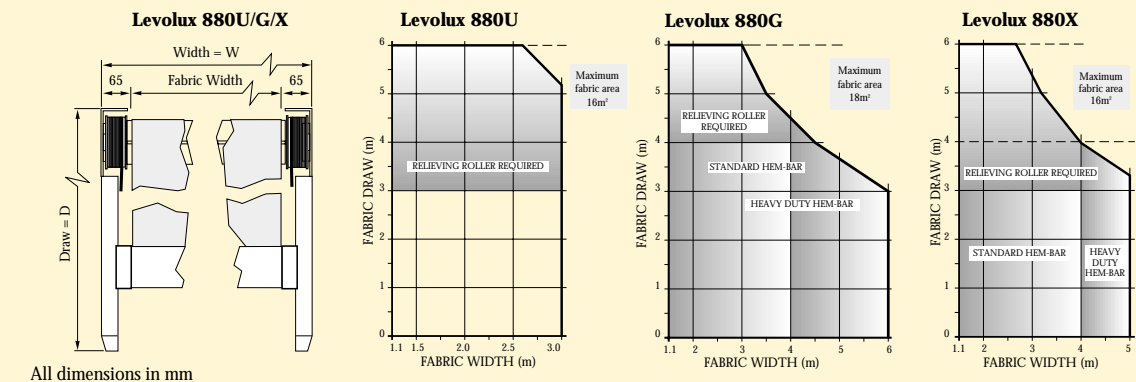
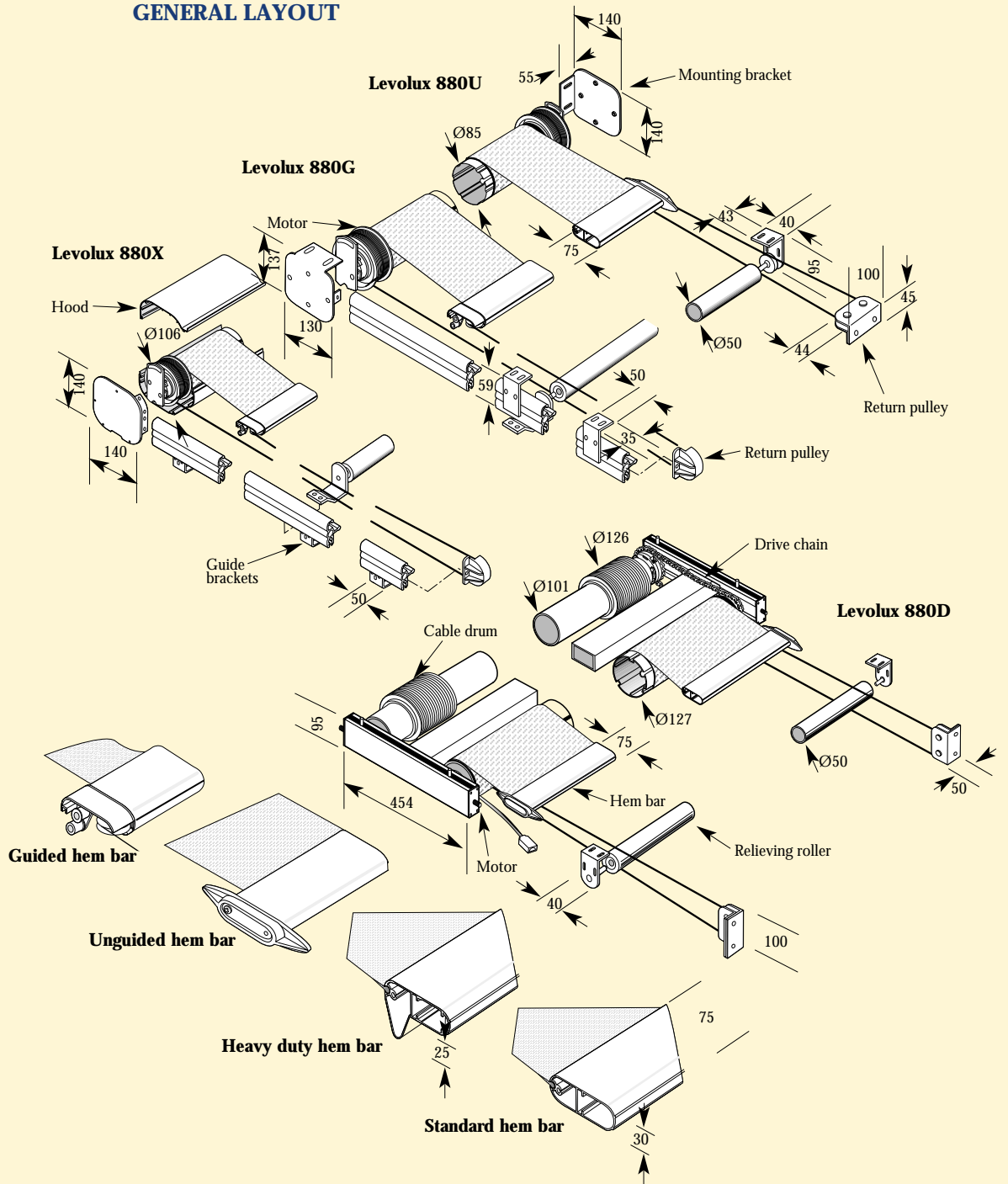
The 880 is operated by electric motor using a switch, single or in groups, or controlled from sunlight levels, a time programme or internal temperatures. Automatic control allows full advantage to be taken of the blinds to keep heat out during the day - or in, at night.

## 3 Year Warranty

All Levolux systems are made of a high grade material to exacting specifications. This enables us to offer a guarantee providing free of charge replacement parts should any system prove defective within 3 years of installation. This guarantee is conditional on manufacturers recommended fitting and operating instructions having been followed and maintenance carried out.

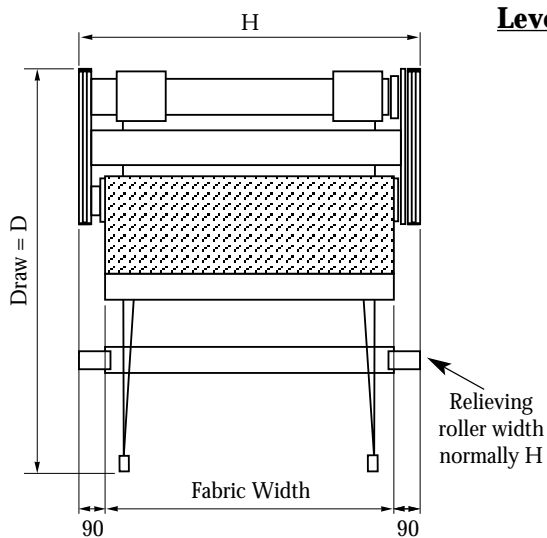


## GENERAL LAYOUT

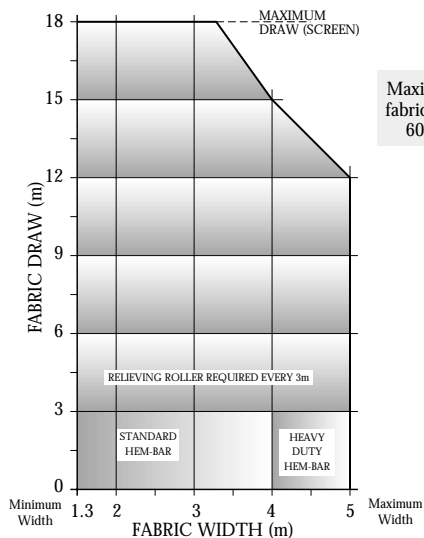


All dimensions in mm





## Levolux 880D



**Specification**

**Item: TENSIONED FABRIC SYSTEM**

Tensioned fabric system to be Levolux 880U/G/X/D System, incorporating electric motor and tension mechanism within one/two rollers. 1.5mm stainless steel draw cable guides, fabric support rollers and hem bar to be powder coated to .....#

Fabric to be: .....#

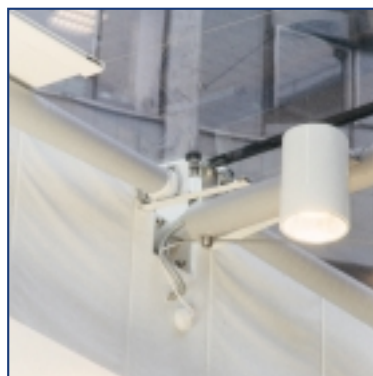
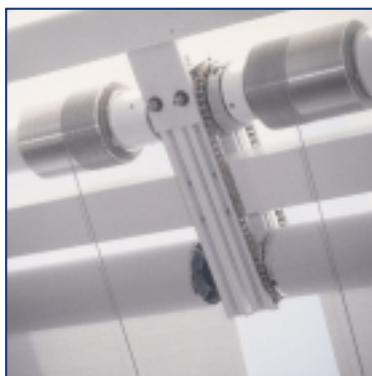
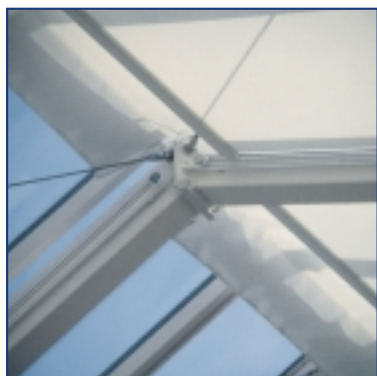
colour ref: .....#

Supplied and installed by an approved Levolux distributor.

# Insert as applicable.

TECHNICAL DATA				
System	880U	880G	880D	880X
Maximum width (m)	3	6	5	5
Maximum draw (m)	6	6	18	6
Maximum fabric area (m <sup>2</sup> )	16	18	60	16
Basic weight (Kg)	7.5	7.5	32	7.5
+ per m width (Kg)	4.2	4.2	11	7.5
+ per m draw (Kg)	~	1.9	~	3.7
Typical tensile load (Kg)	24	24	48	24
Maximum tensile load (Kg)	36	36	72	36
Motor torque (Nm)	15	15	45	15
Motor speed (min <sup>-1</sup> )	18	18	18	18
Motor current @ 230V 50 Hz	1.1	1.1	1.6	1.1
Maximum run time (min)	4	4	4	4
Maximum fabric speed (m/min)	5	5	7	5
Motor Cable length	2.5	2.5	2.5	2.5

In line with the policy of continuous product development Levolux reserves the right to alter specifications without prior notice.



**For further information on Levolux sunscreening systems and effective ways to control light, heat and glare please contact:**

Levolux Limited  
 Forward Drive, Harrow,  
 Middlesex HA3 8NT.  
 United Kingdom  
 Telephone: (+44) 020 8863 9111  
 Facsimile: (+44) 020 8863 8760  
 www.levolux.com  
 info@levolux.com



Levolux A.T. Limited  
 24 Eastville Close, Eastern Avenue,  
 Gloucester GL4 3SJ  
 United Kingdom  
 Telephone: (+44) 01452 500007  
 Facsimile: (+44) 01452 527496  
 www.levolux.com  
 info@levolux.com