TechnoFly

The High End Motorized Fly Screen System for Oversized Openings

by TechnoShade

TechnoShade®
Natural Light Management ™

Smart Window Solutions for Sustainable Architecture

TechnoFly

TechnoFly systems are designed to be integrated within large-scale applications, for both retrofit and new construction projects. It is the ultimate Fly Protection solution for large and oversized openings.

Features:

- The Side Channel Assembly is vertically adjustable allowing to keep the system sealed even if installed on unleveled walls.
- Holds the mesh tight, through a zipper locking device, preventing it from being removed whether by hand or wind.
- Increases access to natural ventilation and daylight.
- Includes motorized systems that are compatible with home automation systems.

Applications:

TechnoFly systems can be applied to:

- Panoramic windows
- Balconies & Verandas
- Curtain Walls
- Slide door systems
- Hinged windows
- Outdoor living spaces

Color Options:

TechnoFly systems are designed to match most of the finishing styles available. They can be powder coated, according to the RAL standard chart of colors. Other options like anodized colors and wood finishings are also available.

White RAL 9010 | Ivory RAL 1013 | Black RAL 9004 | Brown RAL 8017 | Silver Anodized | Light Bronze Anodized | Dark Bronze 2005 Anodized | Dark Brown Anodized

Mesh Specifications:

A Fabric using .014"diameter vinyl coated 420 denier polyester core yarns woven in the wrap and fill direction.
Textilene nano 55

Attribute	ASTM	Warp	Fill	Typical
Construction, end/inch	D3775-12	17.0+/-0.5	17.0+/-0.5	
Weight, oz/yd2	D3776-09	_ _	_ _	7.1
Weight, g/m²	D3776-09	_ _	_ _	240.7
Tensile Strength (grab), lbf/daN	D5034-09	273.3/121.6	339.4/151	
Tensile Strength (Strip), lbf/daN	D5035-11	100.9/44.9	116.1/51.6	
Tear Strength, (Trapezoidal), lbf/daN	D5733	28.2/12.5	25.7/11.4	
Elongation, %	D5035-11	21.5	29.9	
Abrasion Resistance (CS10/500 cycles/ with no added weight)	D3884-09	No exposure of core yarn		
Flammability Rating		CA TB 117-2013		
Weatherability, 1200 hours	G154	Trace discoloration		
Mildew Resistance	G21-13	No Growth		
Thickness, inches/mm	D1777-96	0.022"/0.5588mm		

TechnoShade®

VALIDATION REPORT No. 394953

this document is based on test report No. 357999
dated 24 January 2019 issued by Istituto Giordano

Customer

TECHNOSHADE SAL

Item*

awning with lateral guiderail with fabric running into the guides and without tension system named "TechnoFly-150 with TechnoFlyMesh"

Activity

resistance to wind load in accordance with clause 7.4 of standard UNI EN 1932:2013 with test parameters and evaluation of results in accordance with standard UNI EN 13561:2015

Results

Test type	Test standard	Classification standard	Class
Resistance to wind load	UNI EN 1932:2013	UNI EN 13561:2015	**6**

(*) according to that stated by the customer.

Bellaria-Igea Marina - Italy, 27 May 2022

Chief Executive Officer

(Dott. Arch. Sara Lorenza Giordano)

Firmato digitalmente da SARA LORENZA GIORDANO

Order:
92595

Identification of item received:
2019/0067 dated 14 December 2019

Activity date:
14 December 2019

Activity site:
Istituto Giordano S.p.A. - Strada Erbosa Uno, 72 - 47043 Gatteo (FC) - Italy

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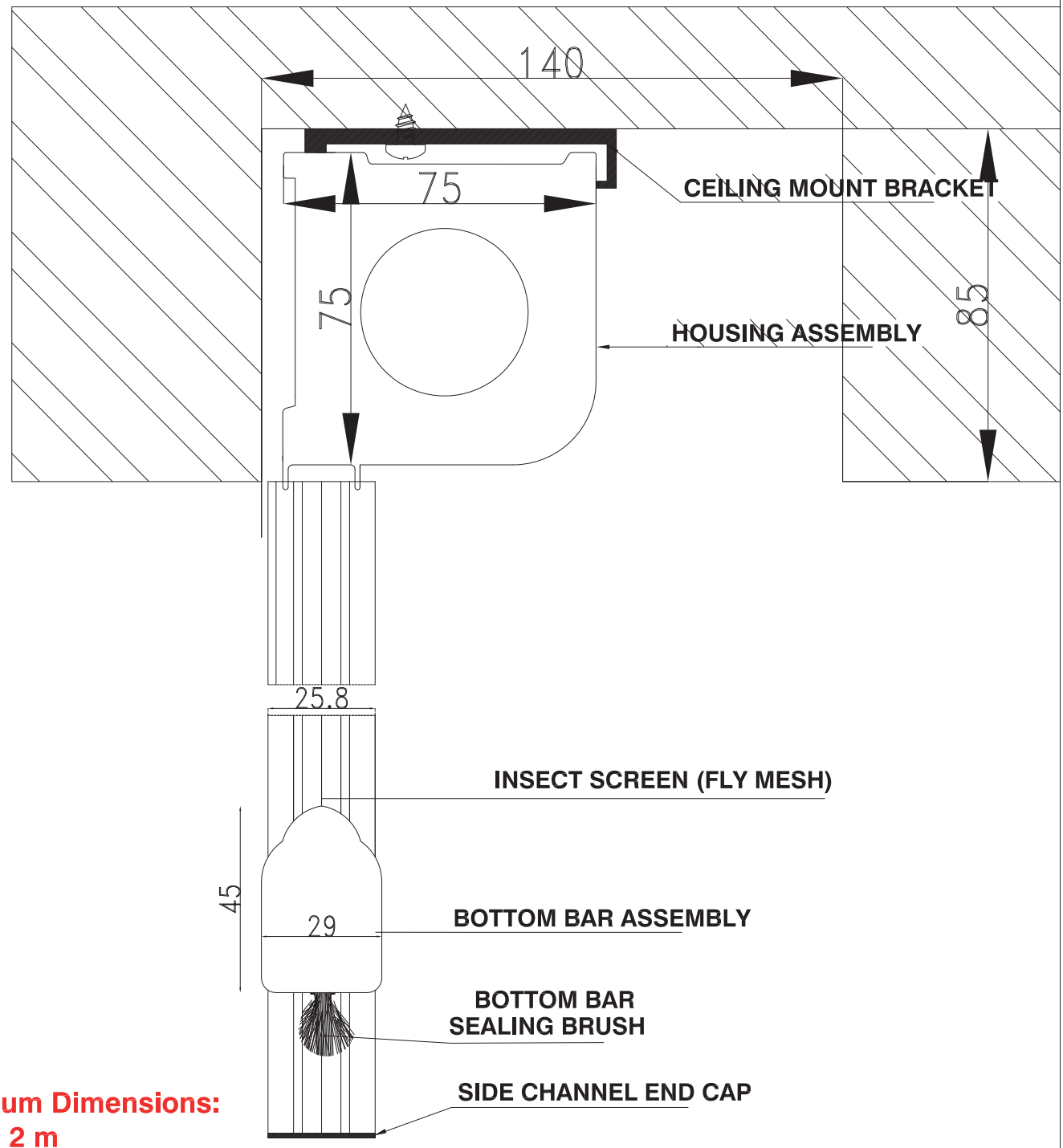
This document is made up of 6 pages and 1 annex and shall not be reproduced except in full without extrapolating parts of interest at the discretion of the customer, with the risk of favoring an incorrect interpretation of the results, except as defined at contractual level.
The results relate only to the item examined, as received, and are valid only in the conditions in which the activity was carried out.
This document extends the validity of all numerical and descriptive data contained in the reference test report.
The original of this document consists of an electronic document digitally signed pursuant to the applicable Italian Legislation.

Chief Test Technician:
Dott. Ing. Paolo Bertini
Head of Security and Safety Laboratory:
Dott. Andrea Bruschi

Compiler: Valentina Rocchi
Reviewer: Dott. Andrea Bruschi

TechnoShade Special Details

TechnoFly-75: Ceiling Mount



Maximum Dimensions:
Width: 2 m
Height: 2 m

TechnoFly-75
Motorized Fly Screen with 75 mm Head Box

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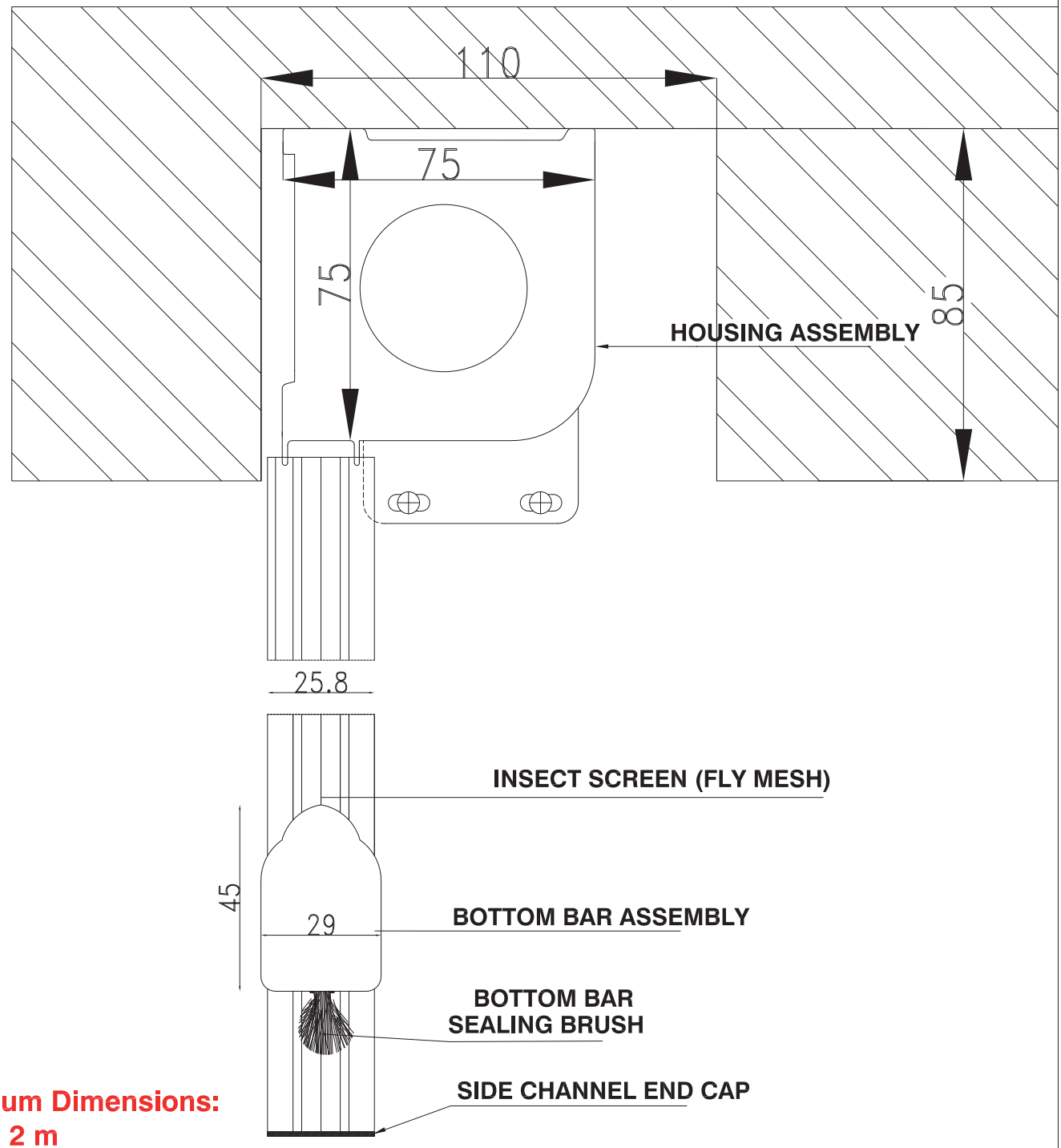
TechnoShade Special Details

TechnoFly-75: Jamb Mount



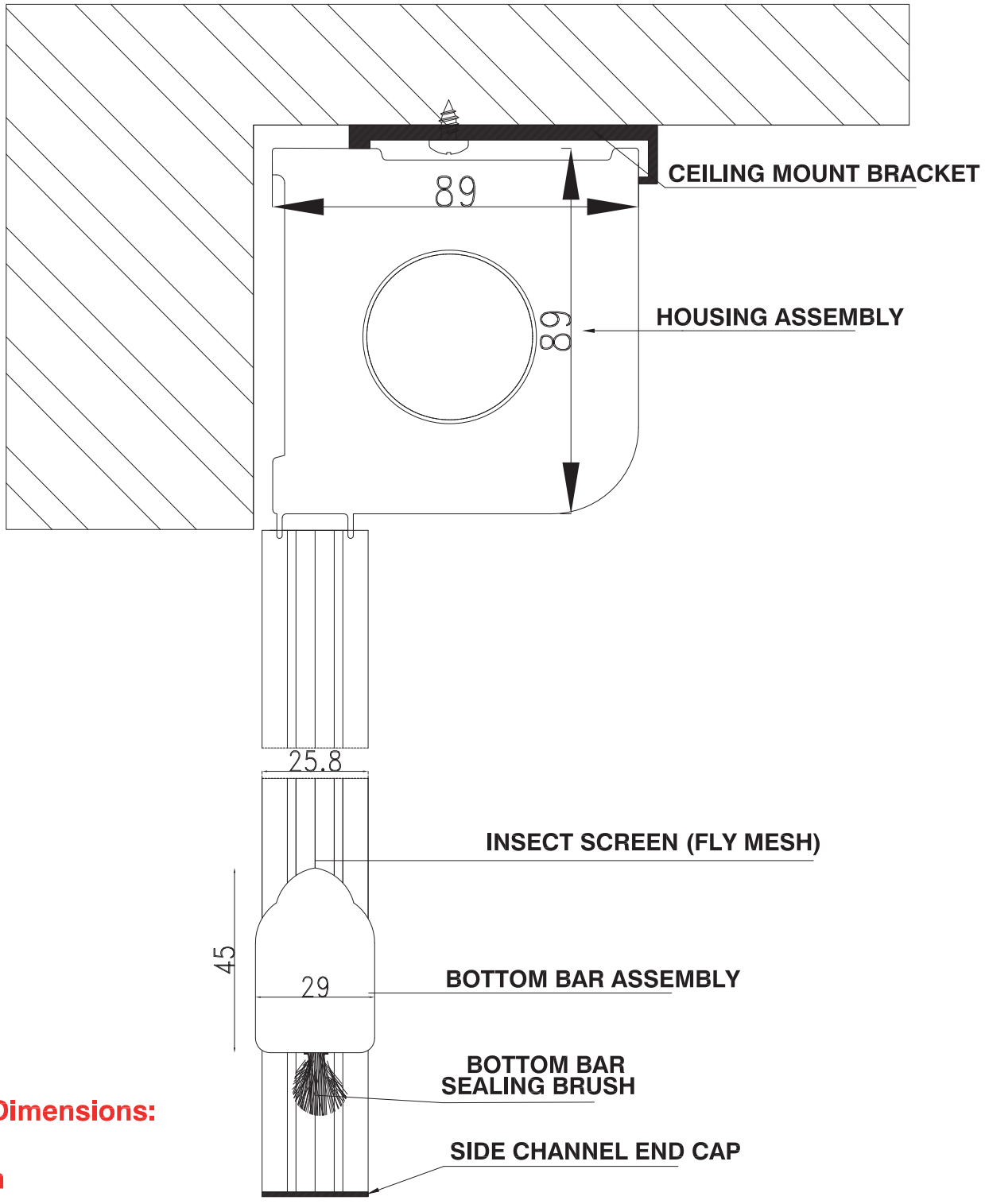
Maximum Dimensions:
Width: 2 m
Height: 2 m

TechnoFly-75
Motorized Fly Screen with 75 mm Head Box

TechnoShade®
Natural Light Management ™

TechnoShade Special Details

TechnoFly-90: Ceiling Mount



Maximum Dimensions:
Width: 3 m
Height: 3 m

TechnoFly-90
Motorized Fly Screen with 90 mm Head Box

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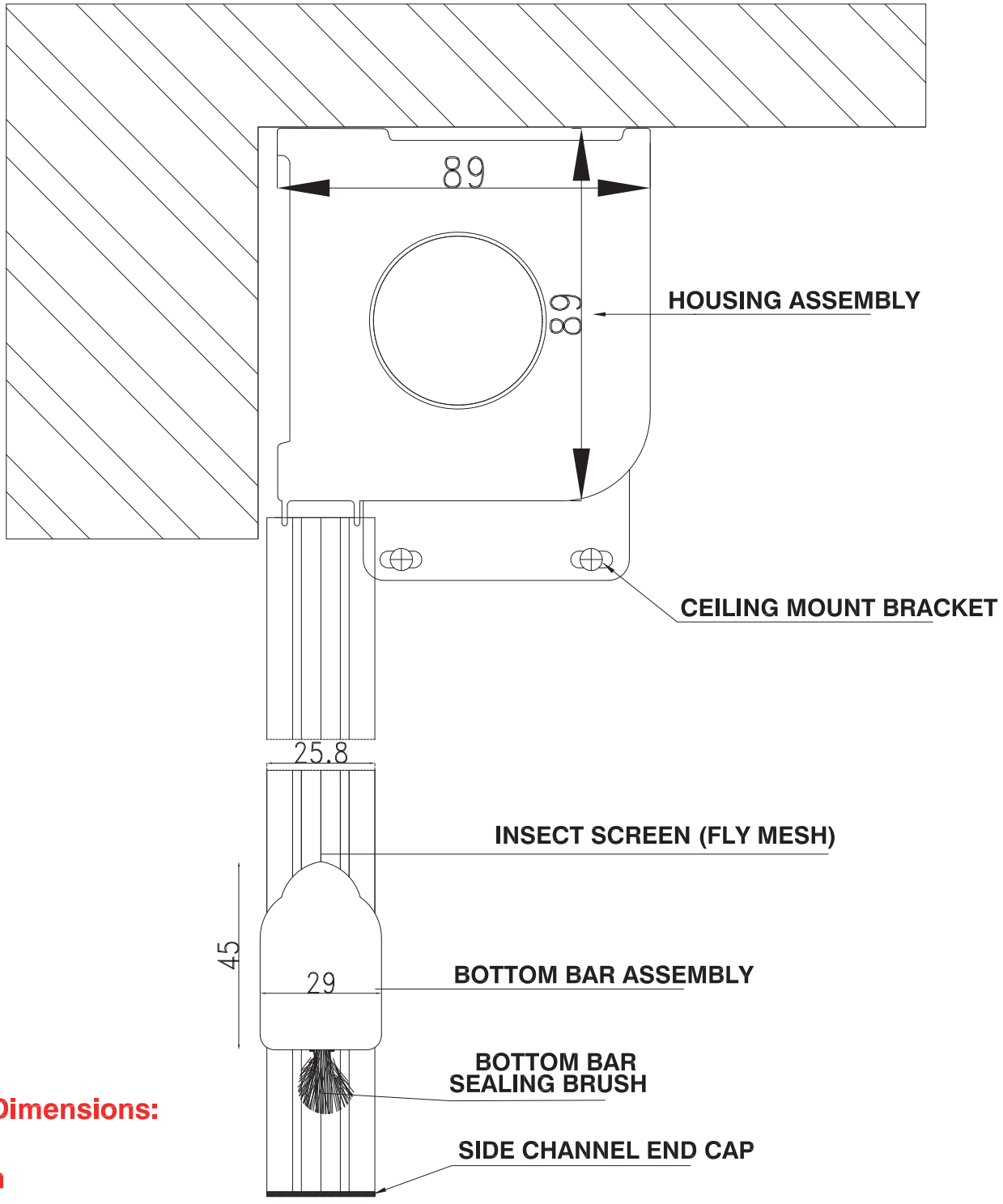
TechnoShade Special Details

TechnoFly-90: Jamb Mount



Maximum Dimensions:
Width: 3 m
Height: 3 m

TechnoFly-90
Motorized Fly Screen with 90 mm Head Box

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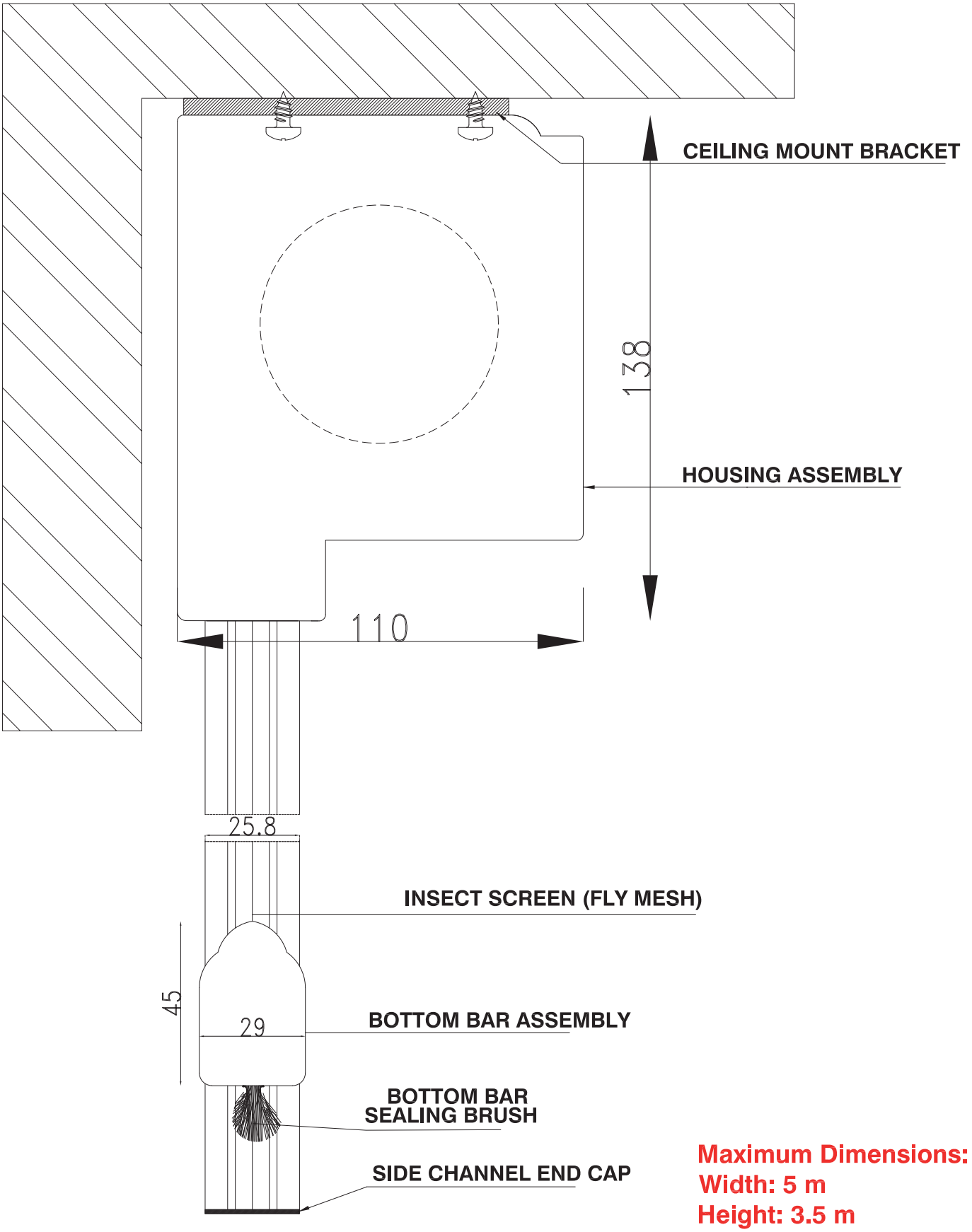
TechnoShade Special Details

TechnoFly-110: Ceiling Mount



Maximum Dimensions:
Width: 5 m
Height: 3.5 m

TechnoFly-110
Motorized Fly Screen with 110 mm Head Box

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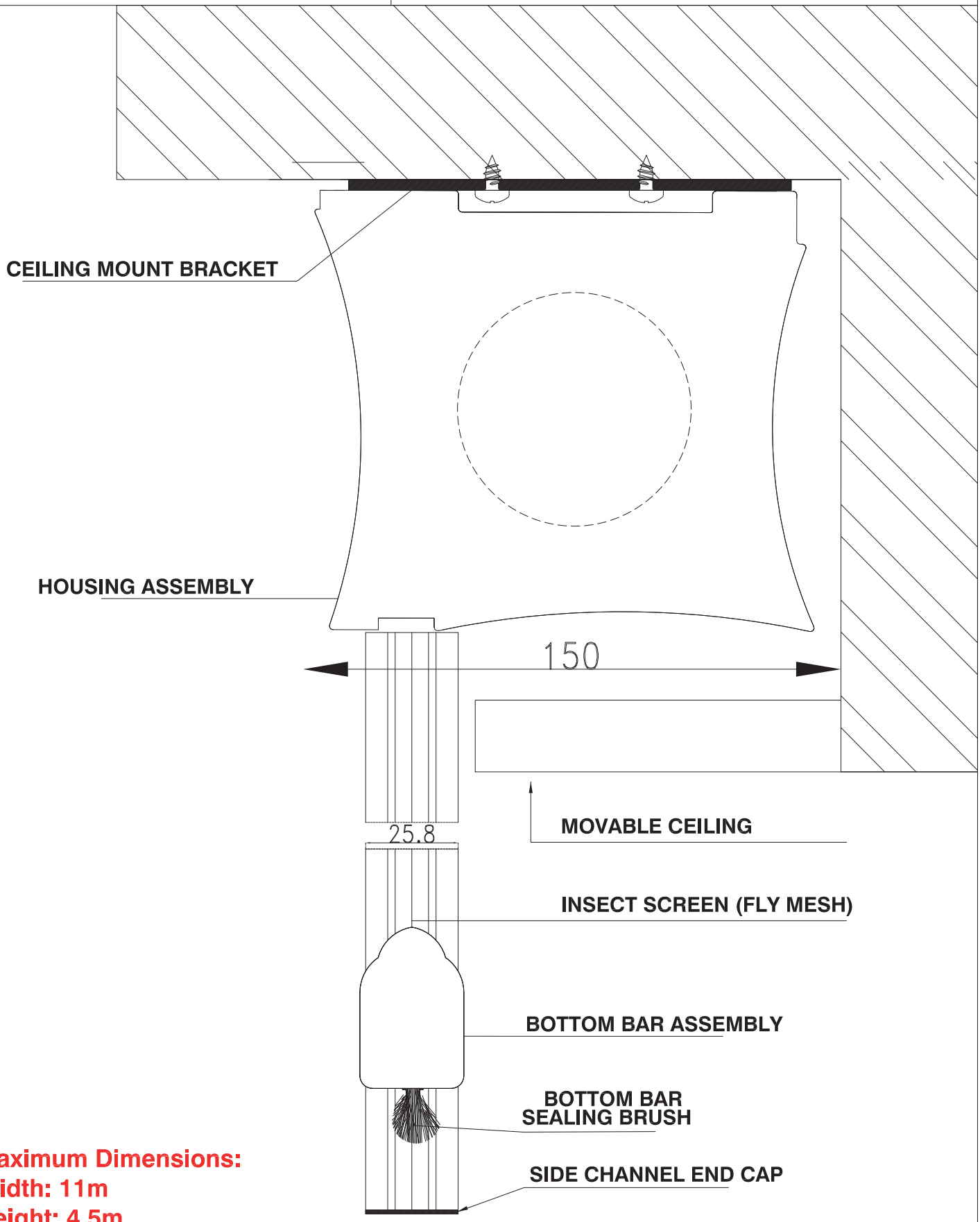
TechnoShade Special Details

TechnoFly-150: Ceiling Mount



Maximum Dimensions:
Width: 11m
Height: 4.5m

TechnoFly-150
Motorized Fly Screen with 150 mm Head Box

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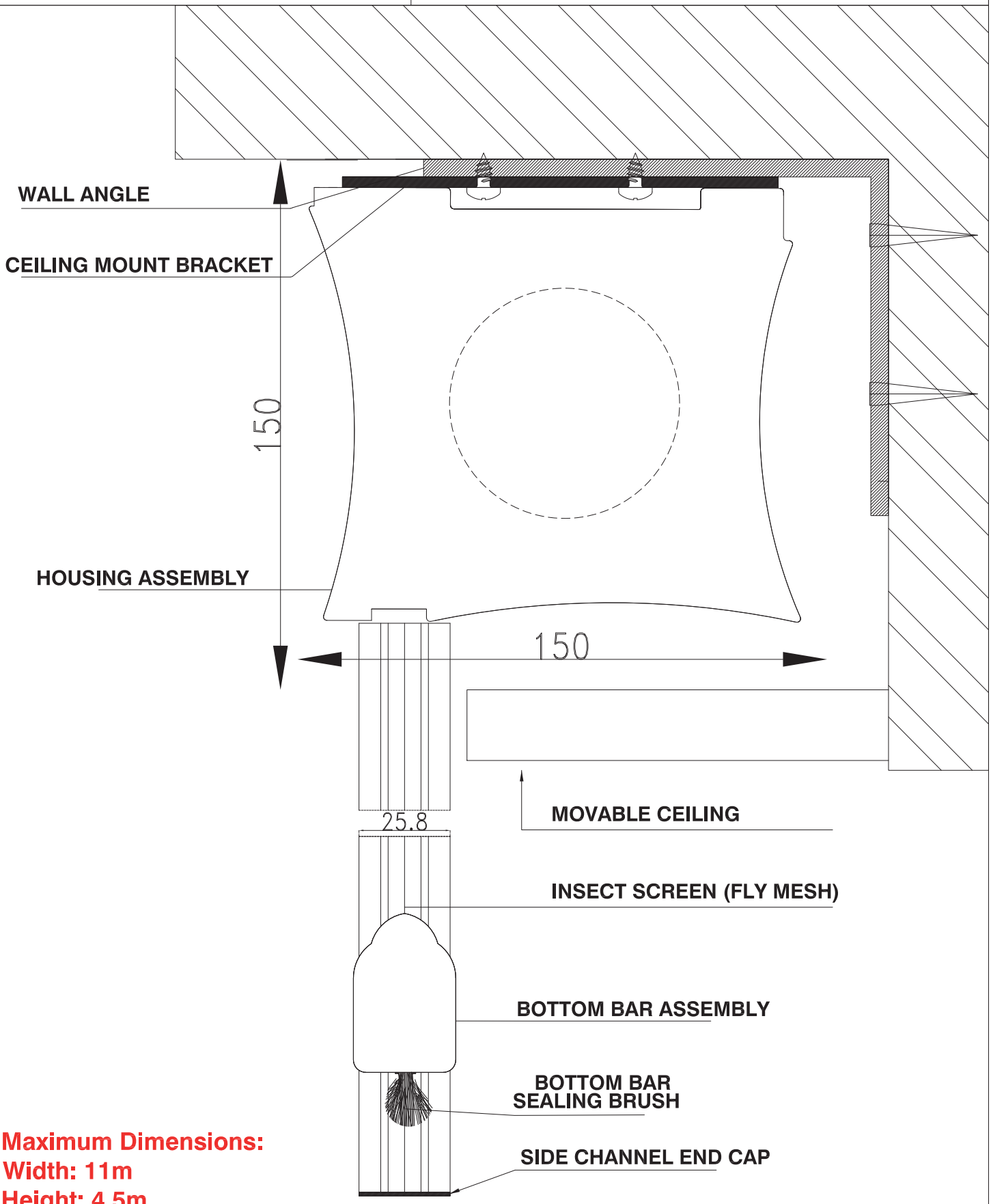
TechnoShade Special Details

TechnoFly 150- Wall Mount



Maximum Dimensions:
Width: 11m
Height: 4.5m

TechnoFly-150
Motorized Fly Screen with 150 mm Head Box

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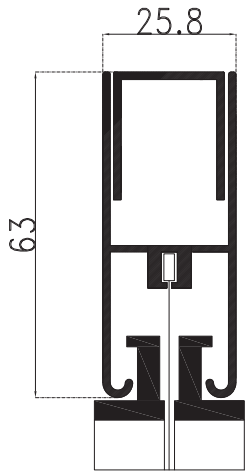
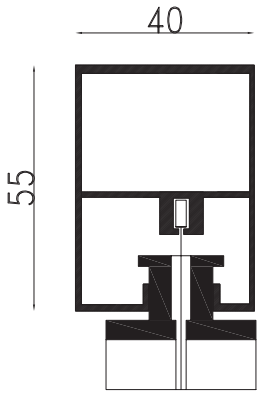
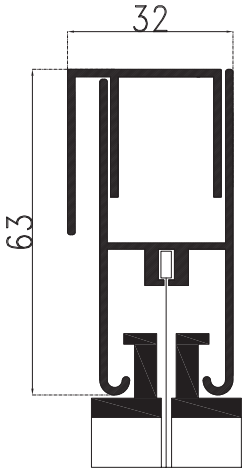
TechnoFly- Guide Rails



Guide Rail (Exposed)
Side Fixation



Guide Rail (Hidden)



Guide Rail (Exposed)
Face Fixation

TechnoFly
Guide Rails Details

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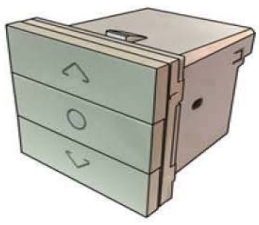
Control Options:

1) Wired Wall Switch (fixed or momentary position)
2) Wireless Radio Wall Switch
3) Hand Held Radio Transmitter (Remote Control)
4) Dual Radio Control 2+3: Wireless Radio Wall Switch + Hand Held Radio Transmitter
5) Dual Mixed Conrol 1+3: Wired Wall Switch + Hand Held Radio Transmitter
6) Timer Control
7) Wind Control
8) Smart Phone Control
9) Full Home Automation
10) Full Sun Tracking Automation.

Option 5:

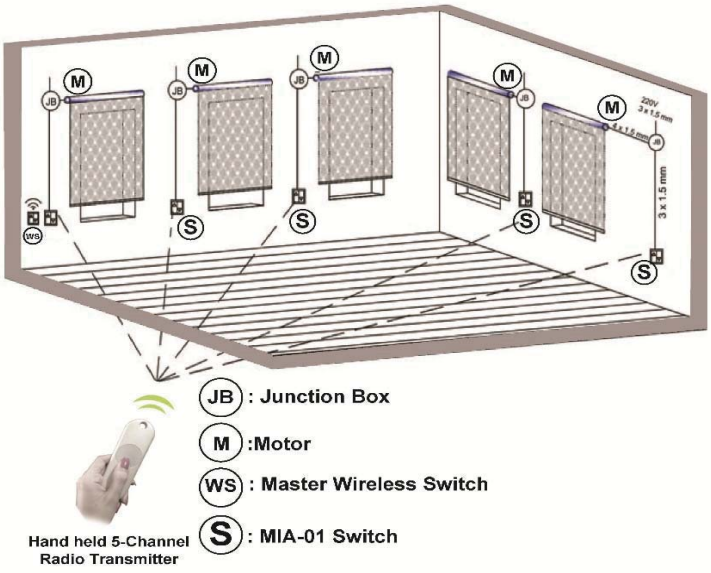
We have selected. In this brochure, the 5th Control Option, being the most practical and cost effective for both residential and commercial projects.

5 or 15 channels

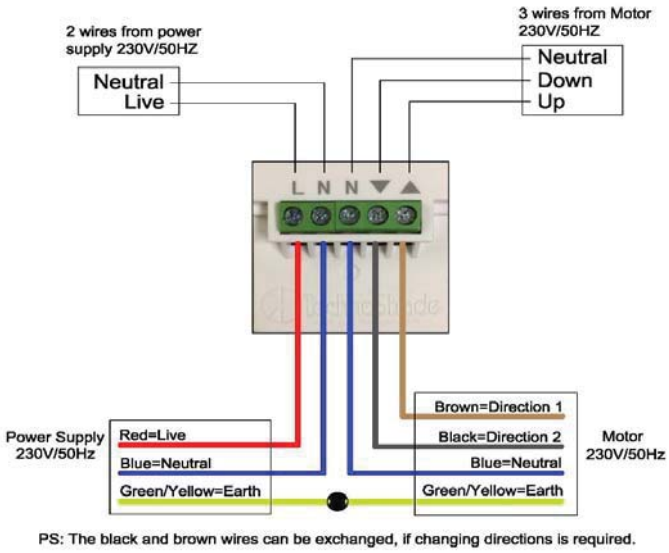


wired wall switch with built-in radio receiver

compatible with most existing fixtures



Dual Mixed Control: wired + radio



Dual Mixed Control: wiring

TechnoShade®

Through an overall approach to Sustainable Development, combining "**bioclimatic principles**" with both comfort to the occupant and refined Architecture, TechnoShade is a leading company involved in ***Sustainable Architecture*** through providing a variety of ***Smart Window Solutions***.

Our **Automated** Roller Shades, our **Smart** Roller Shutters and our **Aesthetic** Louvers are all "**energy-efficient"** Architectural elements that are dedicated to form a "**dynamic façade**" and contribute in optimizing the energy performance of a building.

TechnoShade has a 20-year experienced team following up all the different phases of making a smart building: from preliminary design to execution details followed by implementation and configuration.

TechnoShade has contributed in the realization of many projects in different applications such as residential towers, hospitals, administrative buildings, universities, hotels, among them many are **LEED** certified.