

## Sofftio LED Clean Room Series

PRODUCT	PERFORMANCE			AMBIENT		DRIVER	INRUSH	MAX PSU	WARRANTY
Model Number	Output	Power	Efficiency	Min	Max°	Function	Amps	Type C Breaker	24/7 @ max (Ta)
<b>Sofftio</b>									
SFO-HE-XXX-100W-ND	14,200lm	100W	142lm/W	-40°C	50°C	Non Dim	65A	6 @ 230 Vac	5 YRS
SFO-HE-XXX-100W-DM	14,200lm	100W	142lm/W	-40°C	50°C	0-10V	65A	6 @ 230 Vac	5 YRS
SFO-HE-XXX-100W-DA	14,200lm	100W	142lm/W	-40°C	50°C	DALI	65A	6 @ 230 Vac	5 YRS
SFO-HE-XXX-150W-ND	21,300lm	150W	142lm/W	-40°C	50°C	Non Dim	65A	7 @ 230 Vac	5 YRS
SFO-HE-XXX-150W-DM	21,300lm	150W	142lm/W	-40°C	50°C	0-10V	65A	7 @ 230 Vac	5 YRS
SFO-HE-XXX-150W-DA	21,300lm	150W	142lm/W	-40°C	50°C	DALI	65A	7 @ 230 Vac	5 YRS
SFO-HE-XXX-180W-ND	25,560lm	180W	142lm/W	-40°C	50°C	Non Dim	65A	6 @ 230 Vac	5 YRS
SFO-HE-XXX-180W-DM	25,560lm	180W	142lm/W	-40°C	50°C	0-10V	65A	6 @ 230 Vac	5 YRS
SFO-HE-XXX-180W-DA	25,560lm	180W	142lm/W	-40°C	50°C	DALI	65A	6 @ 230 Vac	5 YRS
<b>Sofftio - Low Power</b>									
SLP-HE-XXX-40W-ND	5,680lm	40W	142lm/W	-40°C	50°C	Non Dim	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-40W-DM	5,680lm	40W	142lm/W	-40°C	50°C	0-10V	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-40W-DA	5,680lm	40W	142lm/W	-40°C	50°C	DALI	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-60W-ND	8,520lm	60W	142lm/W	-40°C	50°C	Non Dim	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-60W-DM	8,520lm	60W	142lm/W	-40°C	50°C	0-10V	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-60W-DA	8,520lm	60W	142lm/W	-40°C	50°C	DALI	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-80W-ND	11,360lm	80W	142lm/W	-40°C	50°C	Non Dim	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-80W-DM	11,360lm	80W	142lm/W	-40°C	50°C	0-10V	65A	6 @ 230 Vac	5 YRS
SLP-HE-XXX-80W-DA	11,360lm	80W	142lm/W	-40°C	50°C	DALI	65A	6 @ 230 Vac	5 YRS

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Ra (CRI) Options include Ra85 (85), Ra95. (95) Example: 5,000k Ra85, XXX = 585

Driver Function: **ND** Non dimming (Vo to reduce output) | **DM** 1-10V Dimming | **DA** DALI

### SERVICING

The light source contained in this luminaire shall only be replaced by the manufacturer or their service agent or a similar qualified person.

\*High radiant temperatures or unexpected heat sources can potentially damage or significantly impair the performance of the luminaire. Use of third party non-approved enclosures will void warranty. Only suitable for use with Isollux approved and manufactured installation kits. Please contact Isollux prior to installation if further information is required.

ISO-SFO-INS-0224

# isollux™

## Sofftio™ LED Clean Room Series



Thank you for selecting the Isollux for your LED lighting Solution. At Isollux, we are dedicated to ensuring our products are designed to meet the challenges of commercial applications. Visit our website to discover more about this and other Isollux products. BLS Products are manufactured by Isollux LED Ltd.

**WARNING:** Installation without an Isollux approved kit is not advised, is at the installers risk, warranty and performance may be effected.

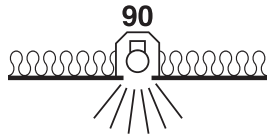
### **IMPORTANT**

The following instructions assume installation using the appropriate Isollux installation kit, fitted to a flat, clean waterproof surface.

- A Torque Spanner is included with your installation kit.
- A torque setting of 5Nm (Newton Meters) is all that is required to ensure an air tight IP66 seal in normal conditions.
- Do not attempt to over-tighten and force a seal over rough surface as this will damage Soffito.
- To bridge a gap, silicon can be added to the main seal.  
(see illustration pg6)

## WARNING

RISK OF OVERHEATING OR FIRE IF THE CLEARANCE DISTANCES ARE COMPROMISED



## CLEARANCES

The minimum distance from the top of the luminaire to any normally flammable building element is **100mm**

The minimum distance from the top of the luminaire to any building insulation is **100mm**

The minimum distance from the side of the luminaire to any normal flammable building element is **0mm**

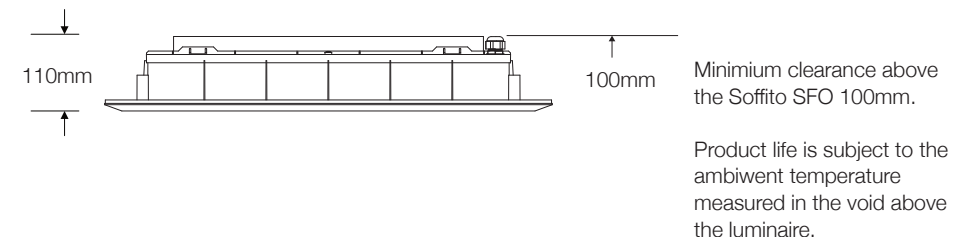
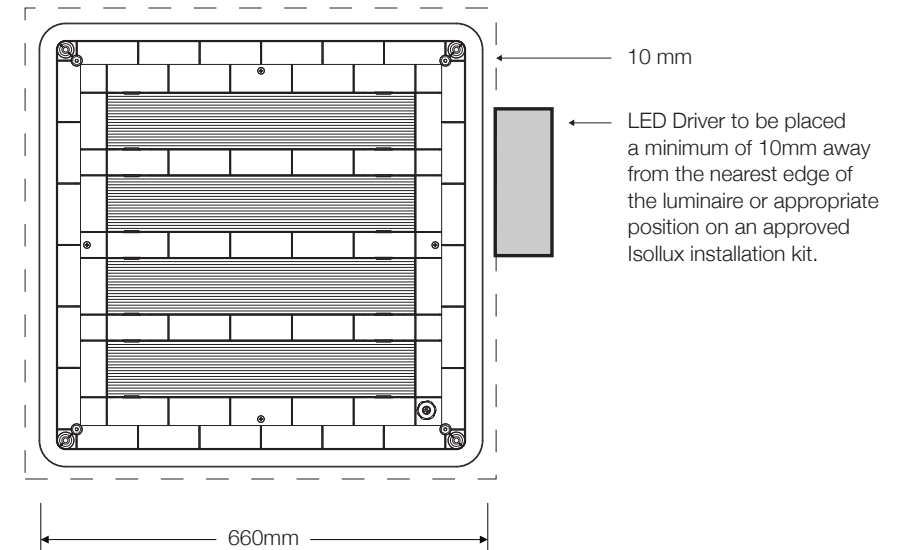
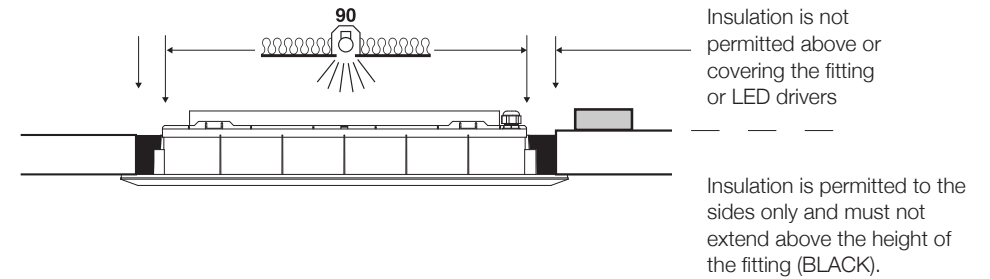
The minimum distance from the side of the luminaire to any building insulation is **0mm**

DO NOT ENCLOSE OR COVER

**This product requires adequate ventilation if an enclosure or cover is required it is essential to use the appropriate installation kit. Warranty may be void with adhoc installation.**

Current examples of Isollux approved installation kits are shown at the back of this manual, if you have any questions contact Isollux prior to installation.

## CLEARANCE DIAGRAM



# INSTALLATION

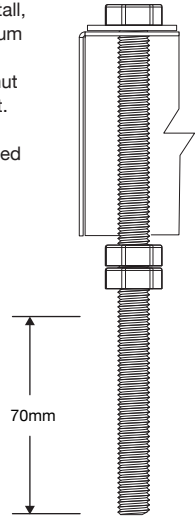
Please follow these basic steps to install Soffito.

PLEASE NOTE that while the bracket positions and height differs between installation kits. The basic process of installation is the same for all top mount Soffito.

## STEP 1

Before starting the install, check there is a minimum of 70mm between the bottom of the lowest nut and the end of the bolt.

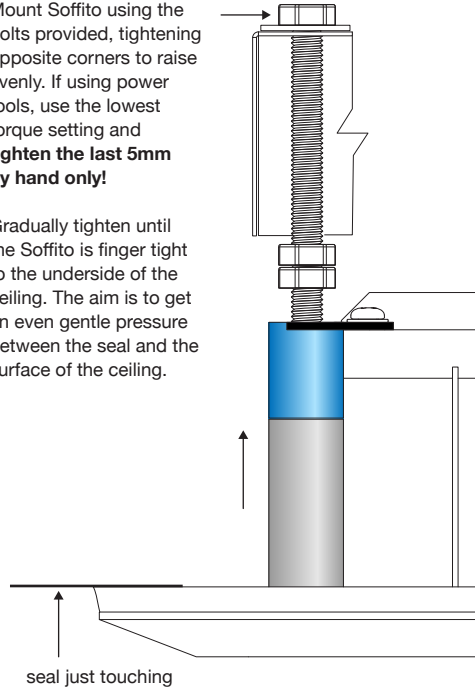
In case they have moved during shipment.



## STEP 2

Mount Soffito using the bolts provided, tightening opposite corners to raise evenly. If using power tools, use the lowest torque setting and **tighten the last 5mm by hand only!**

Gradually tighten until the Soffito is finger tight to the underside of the ceiling. The aim is to get an even gentle pressure between the seal and the surface of the ceiling.

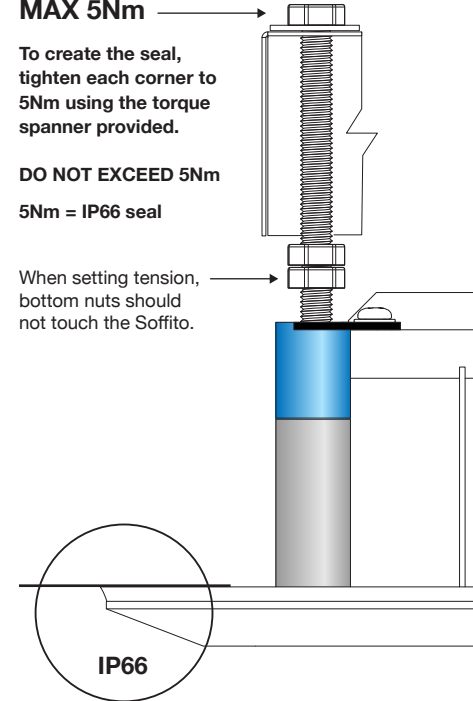


## STEP 3

**MAX 5Nm**  
To create the seal, tighten each corner to 5Nm using the torque spanner provided.

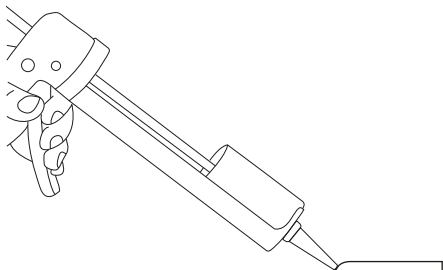
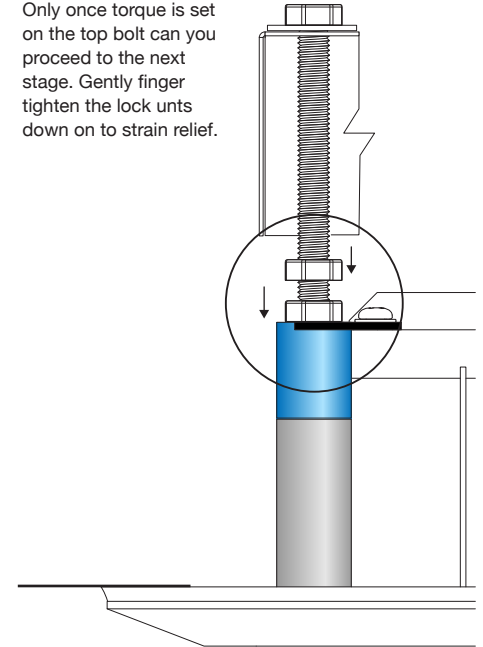
**DO NOT EXCEED 5Nm**  
5Nm = IP66 seal

When setting tension, bottom nuts should not touch the Soffito.



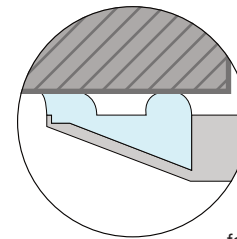
## STEP 4

Only once torque is set on the top bolt can you proceed to the next stage. Gently finger tighten the lock nuts down on to strain relief.



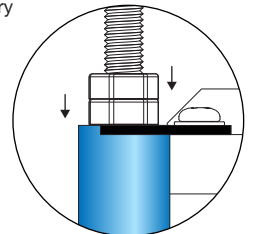
The main Soffito seal has a ridge and valley profile, which is designed to accept a wet cure silicon if the surface is uneven, or where it crosses a seam.

**Do not try to force to an un-even or broken surface by exceeding 5Nm.**



The valley and ridge design of the seal provides a channel for the addition of wet cure silicon if required, but is usually unnecessary.

It is not necessary to tension the lock nuts onto the steel plate. The strain relief system provides a secondary support to each corner.



## IMPORTANT READ BEFORE INSTALLING

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Soffito is a SELV NON IC luminaire, IT IS NOT SUITABLE FOR DIRECT CONNECTION TO MAINS SUPPLY. Only connect to SELV power using the specified driver, and the pre-wired quick connector supplied. The LED drivers are certified as independent drivers and in some instances are not fixed to an enclosure. Where the drivers are not provided with a position.

**DO NOT POSITION THE DRIVER ON, OR COVER THE HEATSINK (see clearance diagram)**

Soffito is NOT SUITABLE FOR USE AS A FIRE FLASHING, exposed combustible materials must be fire-flashed to meet building standards, this is easiest to achieve safely with an approved installation kit. Adhoc non approved methods of installation may damage the product, void warranty and compromise safety. It is advisable to order the correct installation kit subject to both the application and environment.

## BEFORE YOU START

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### IN THE BOX

Isollux Soffito SFO LED, LED Driver, Cable Connections (in some cases install kits maybe nested with the product) Soffito can be installed from above or below using the four positions at each corner. Where two or more types of kit are supplied make sure the correct kit is selected for each area. And always ensure the kit is correctly installed before attempting to install Soffito.

### TOP FIXING METHOD

When mounting from above, seal the four corner facia holes using the 'press fit' white cap and o'ring supplied. Add the O'ring to the button and press firmly into each corner. The caps permanently seal the front facia for top mount Soffito applications. *They are food safe permanent grips, if installed in error, use a sharp knife to cut the grips behind the frame to release the cap and o'ring.*

### BOTTOM FIXING METHOD

Soffito mounts to the appropriate installation kit using the CNC Stainless Cup-Washer, o'ring and screw supplied. To make installation easier for installers working alone, a cable suspension kit is supplied with both the SFO-MB-XX and SFO-RB-XX. This provides temporary support while making the electrical connection. When ready, carefully guide the cables behind the seal as the unit is raised and fixed into position.

## INSTRUCTIONS

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Prepare and install the correct mount kit, using a silicon sealant between the installation kit and substrate, following the video or guide supplied. Always seal to the substrate and for surface mount kits ensure the fixings are suitable for the load. (Fixings are only supplied between the installation kit and Soffito as application methods and requirements differ between substrates). An overview of the main installation methods can be viewed online at:



**SFO-VB-SS**  
Vented Box Kit  
Install Guide

[vimeo.com/449141652](https://vimeo.com/449141652)



**SFO-MB-SS**  
Mounted Box Kit  
Install Guide

[vimeo.com/449141524](https://vimeo.com/449141524)



**SFO-FK-SS**  
Flashing Kit  
Install Guide

[vimeo.com/449141303](https://vimeo.com/449141303)

## INSTALLATION INSTRUCTIONS

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Disconnect the main power supply and install the LED driver supplied to the installation kit. For further detail, see the drawings to the rear of this manual and if in doubt, contact Isollux directly before installation. Remove the Soffito product from its packaging, inspect for damage during transit. If damage is found contact your supplier as soon as possible before installing the product.

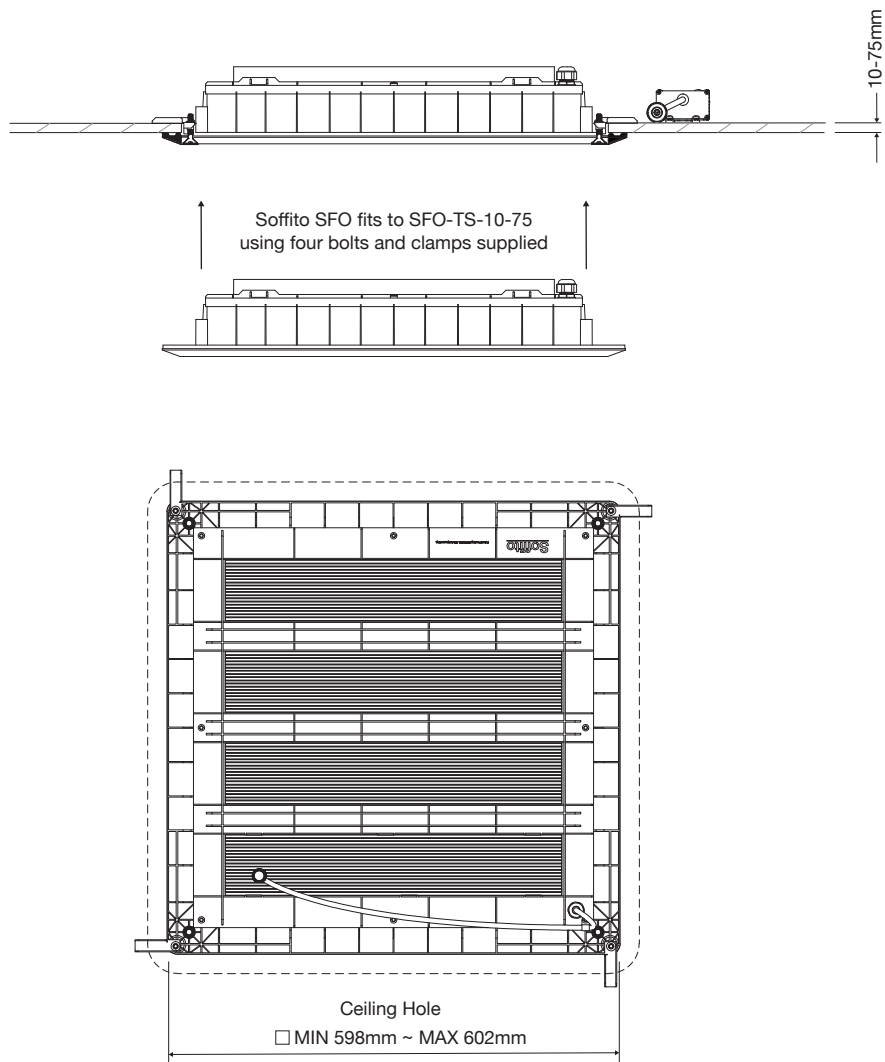
Check that the lamp is aligned correctly and fix using into position using the four screws or bolts supplied. DO NOT OVER TIGHTEN. The connection should be firm but not excessive, the seal is soft and will seal easily to clean flat surfaces. Over-tightening will damage the fitting and not covered by warranty. Use only a medium torque setting to prevent damage.

**If the surface is un-even, or has gaps or seams to bridge, use extra force in an attempt to bridge the seal, add a suitable silicon bead to the centre gully of the main seal.**

Once the Soffito is correctly installed and connect the LED driver to mains power in accordance with AS/NZS 3000 and suitable IP rated connection, junction box or conduit subject to the installation kit. Energise circuit and check operation of light.

## SFO-TS-10-75

## Simple Mount for Thin Substrate



IP Rating: IP65

Max Power: 180W @ Ta 40°C

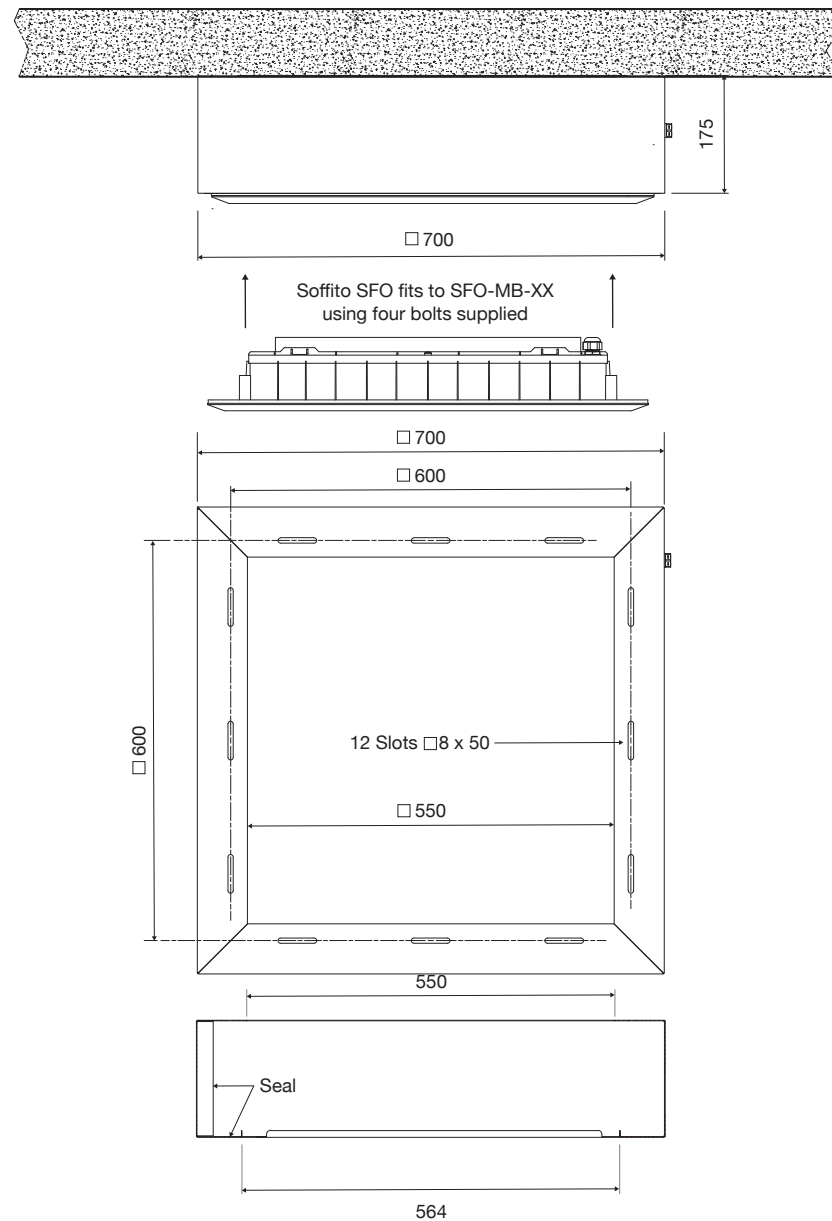
Typical Ambient Application -30°C ~ +25°C

304 Stainless Steel

SFO-TS-10-75

## SFO-MB-XX

## Surface Mount Box - Sealed Straight Corners



IP Rating: IP65

Max Power: 180W @ Ta 30°C

Typical Ambient Application -30°C ~ +25°C

304 Stainless Steel

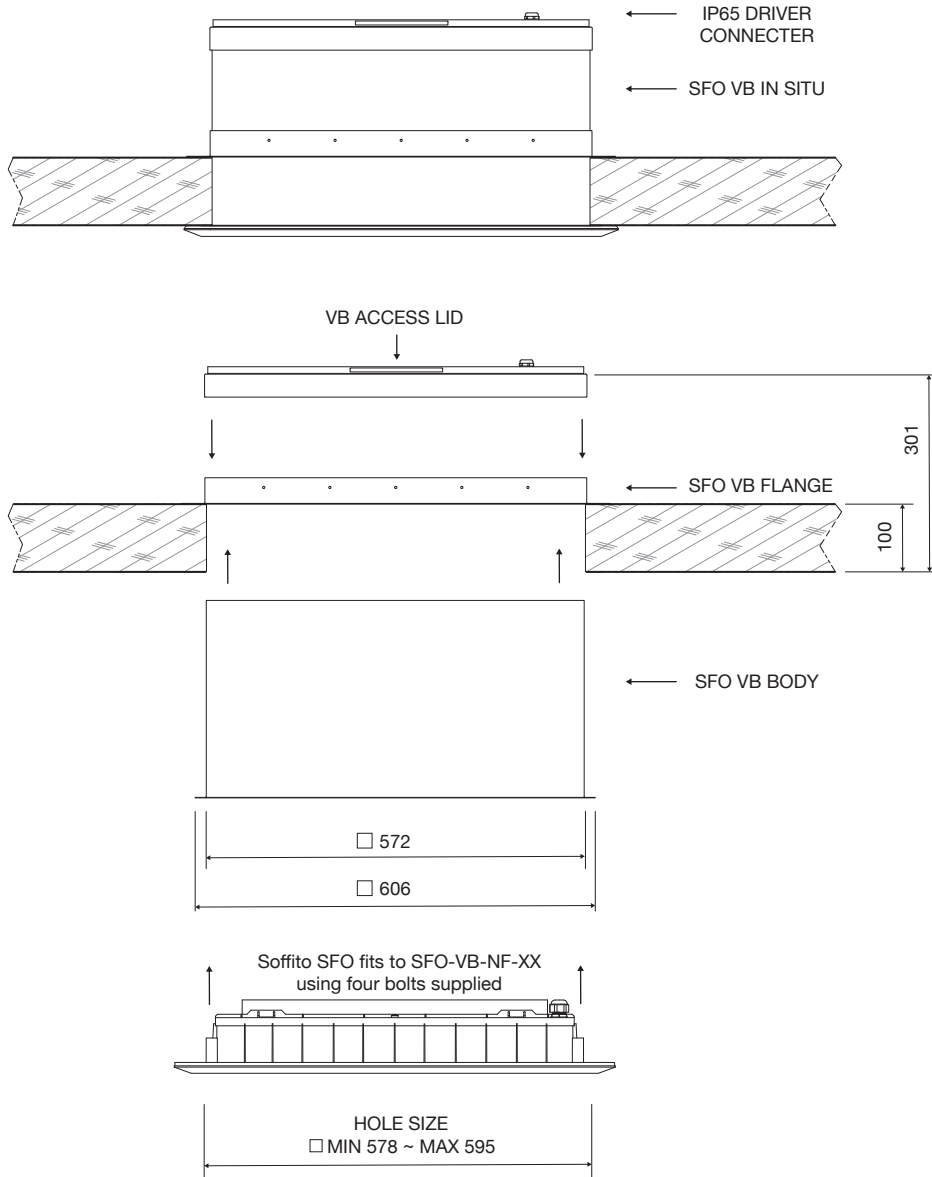
SFO-MB-SS

Epoxy White Paint over 304 SS

SFO-MB-PW

# SFO-VB-NF-XX

# Vented Mount Box - New Build



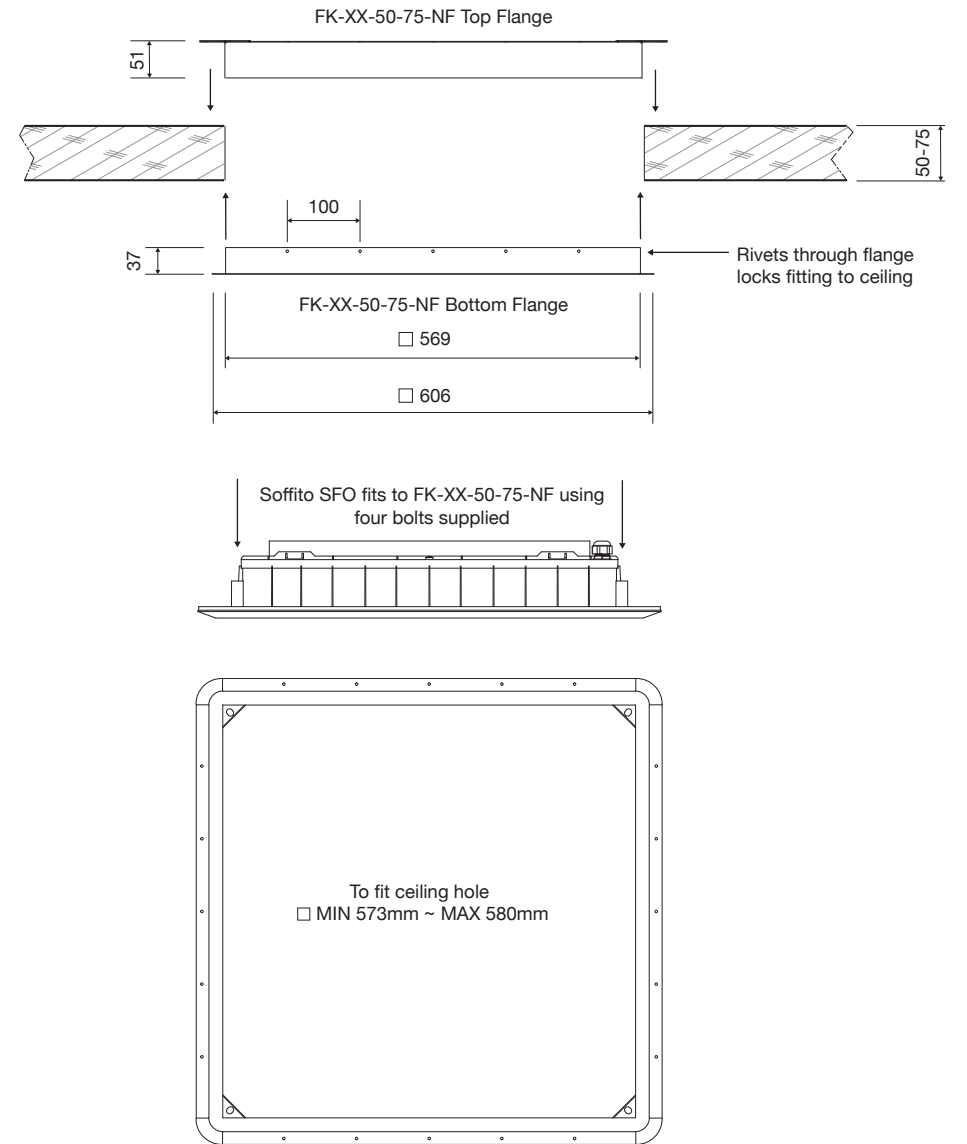
IP Rating: IP65      Max Power: 180W @ Ta 30°C      Typical Ambient Application -30°C ~ +25°C

316 Stainless Steel      SFO-VB-NF-SS

Epoxy White Paint over 304 SS      SFO-VB-NF-PW

# SFO-FK-XX-50-75-NF

# Flashing Kit - New Build



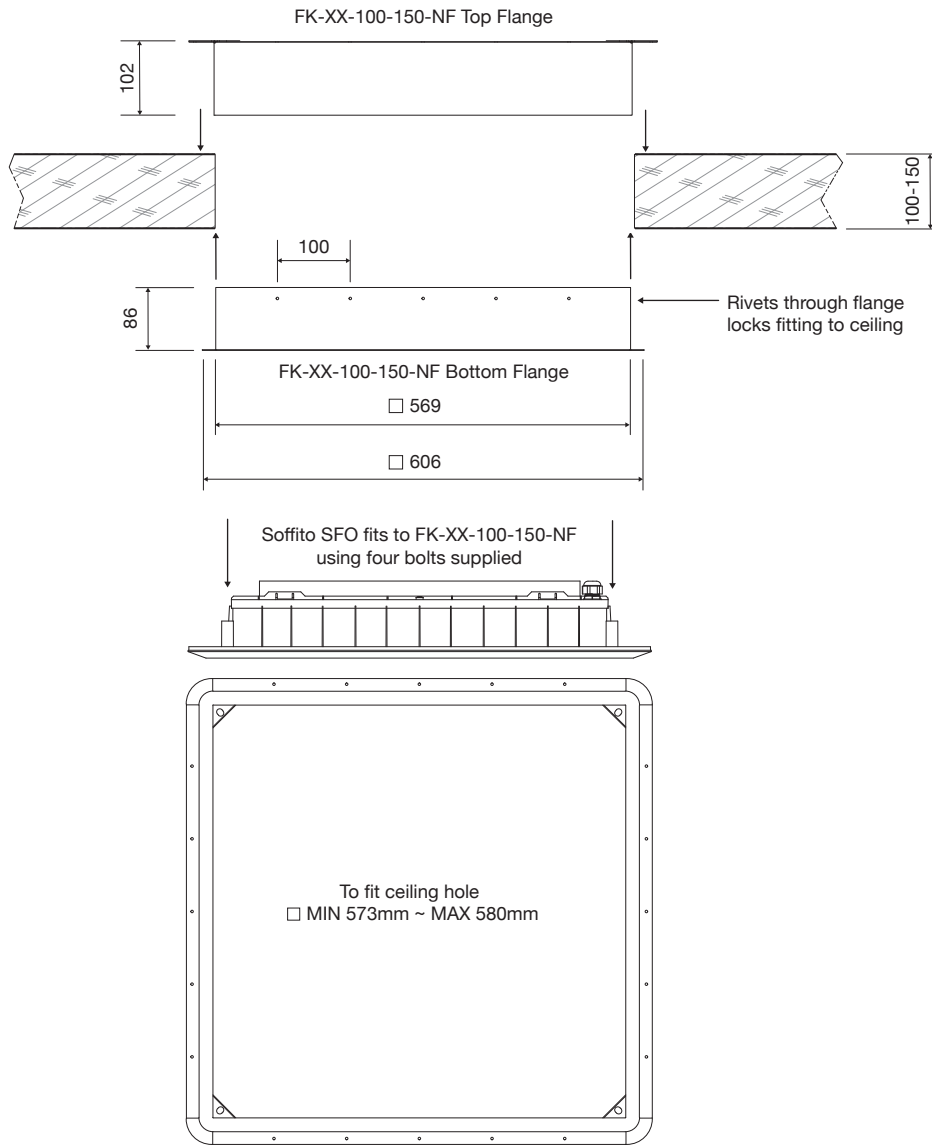
IP Rating: IP65      Max Power: 180W @ Ta 40°C      Typical Ambient Application -30°C ~ +25°C

304 Stainless Steel      SFO-FK-SS-50-75-NF

Epoxy White Paint over 304 SS      SFO-FK-PW-50-75-NF

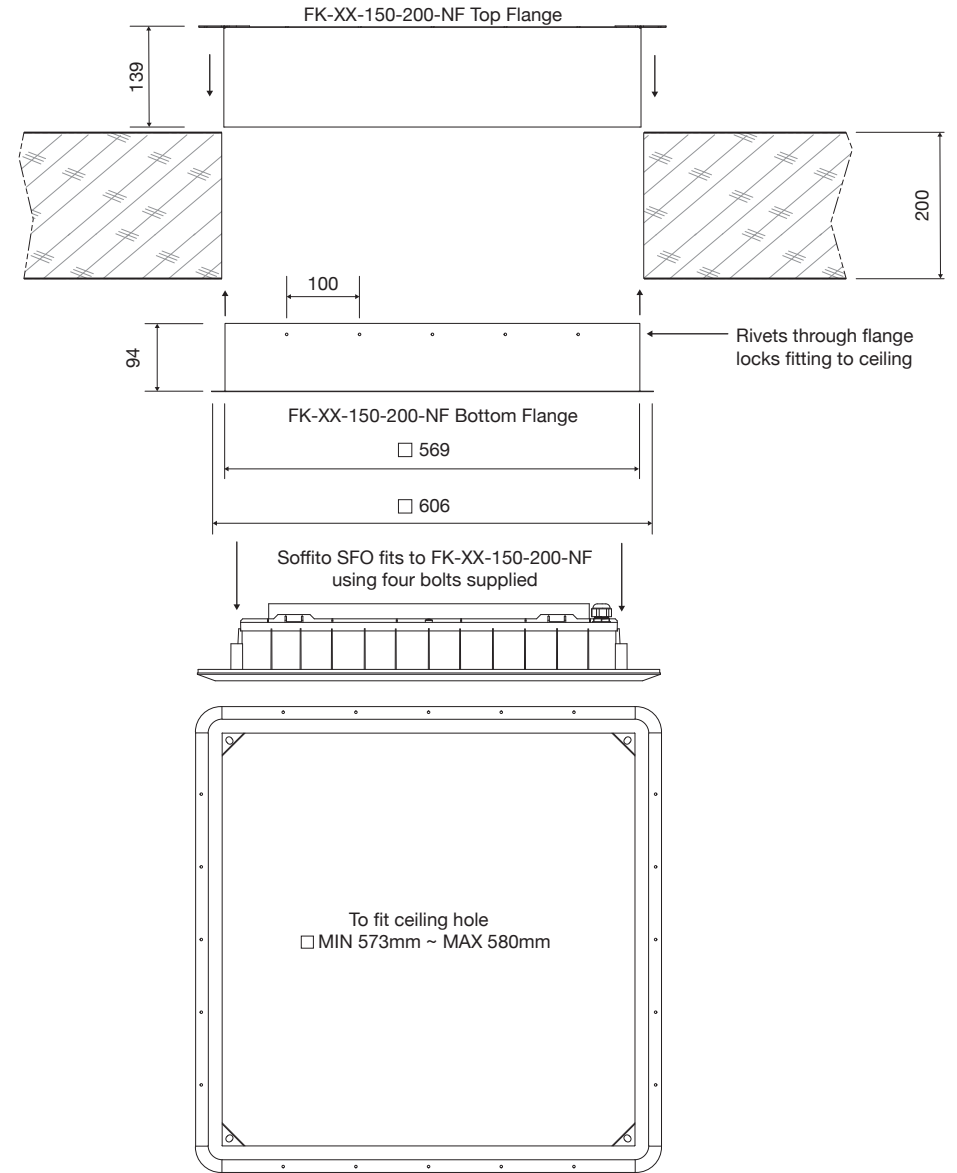
# SFO-FK-XX-100-150-NF

## Flashing Kit - New Build



# SFO-FK-XX-150-200-NF

## Flashing Kit - New Build



IP Rating: IP65

Max Power: 180W @ Ta 40°C

Typical Ambient Application -30°C ~ +25°C

316 Stainless Steel

SFO-FK-SS-100-150-NF

Epoxy White Paint over 304 SS

SFO-FK-PW-100-150-NF

Isollux LED Ltd.

IP Rating: IP65

Max Power: 180W @ Ta 40°C

Typical Ambient Application -30°C ~ +25°C

316 Stainless Steel

SFO-FK-SS-150-200-NF

Epoxy White Paint over 304 SS

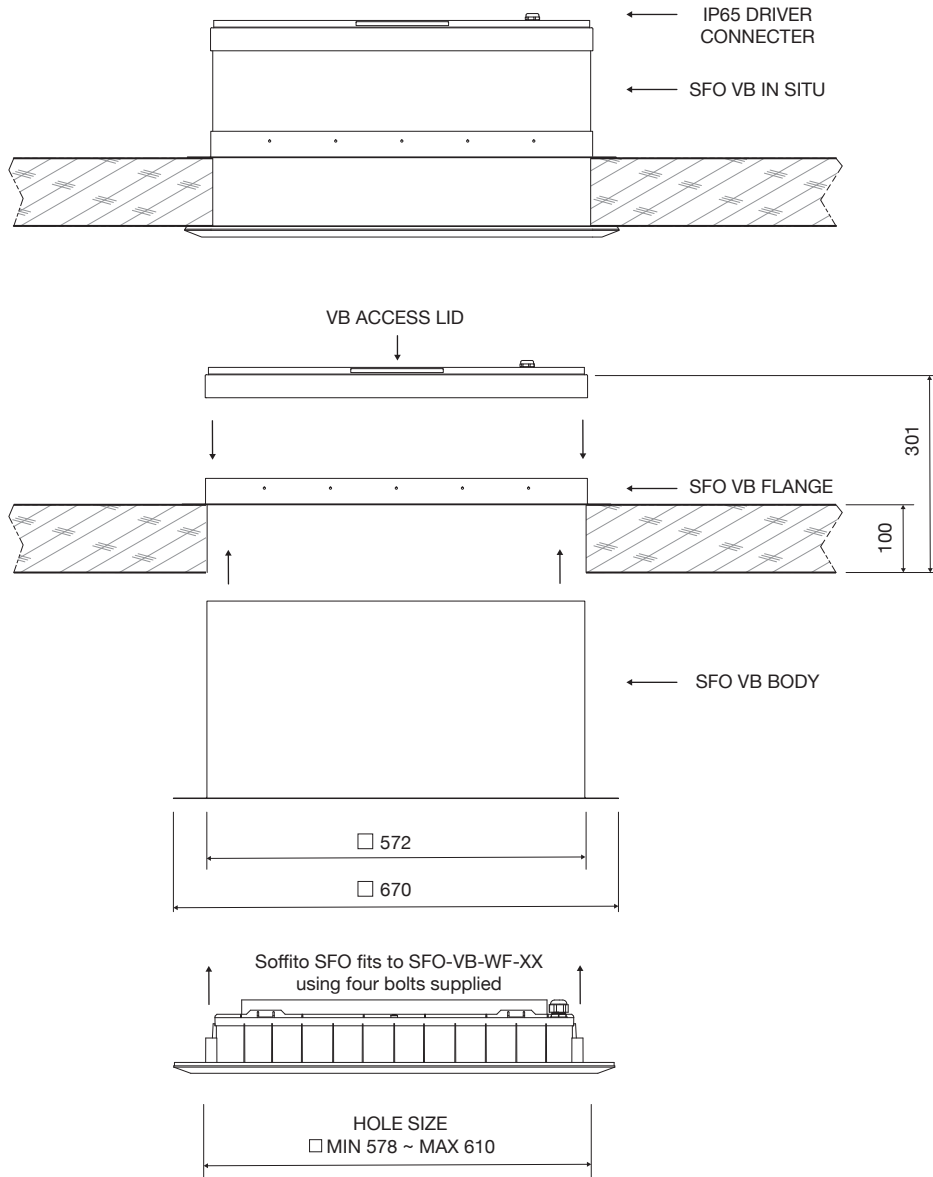
SFO-FK-PW-150-200-NF

www.isollux.com



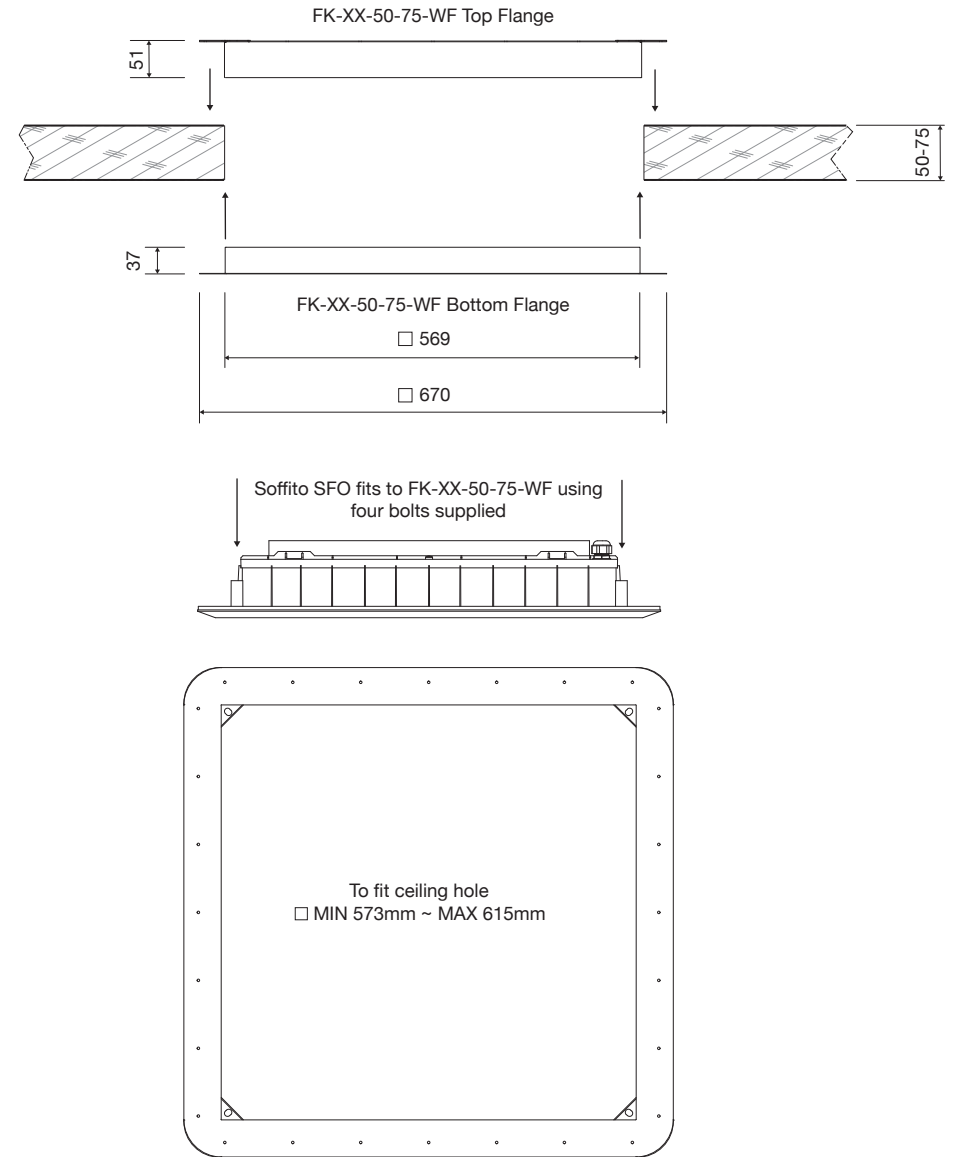
# SFO-VB-WF-XX

# Vented Mount Box - Retro-Fit



# SFO-FK-XX-50-75-WF

# Flashing Kit - Retro-Fit



IP Rating: IP65      Max Power: 180W @ Ta 30°C      Typical Ambient Application -30°C ~ +25°C

316 Stainless Steel      SFO-VB-WF-SS

Epoxy White Paint over 304 SS      SFO-VB-WF-PW

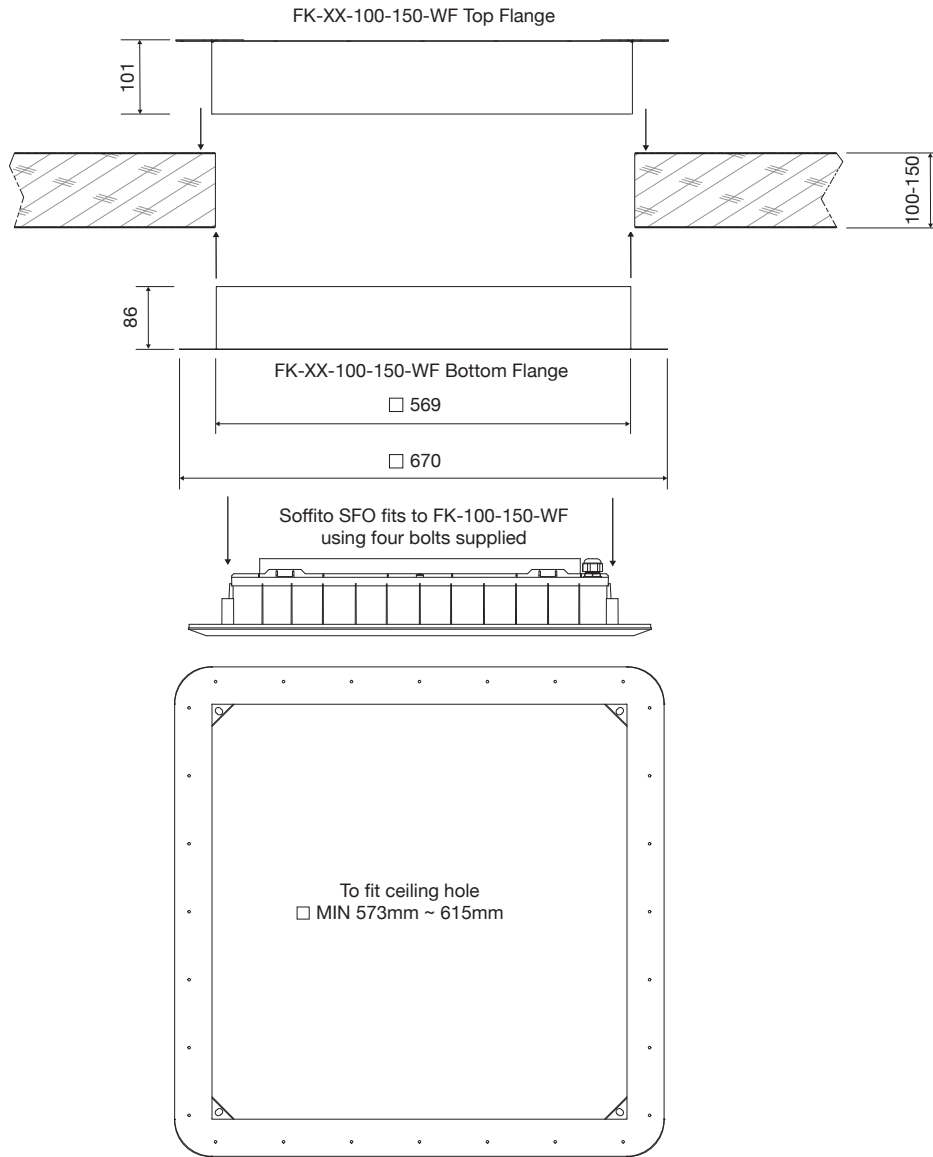
IP Rating: IP65      Max Power: 180W @ Ta 40°C      Typical Ambient Application -30°C ~ +25°C

304 Stainless Steel      SFO-FK-SS-50-75-WF

Epoxy White Paint over 304 SS      SFO-FK-PW-50-75-WF

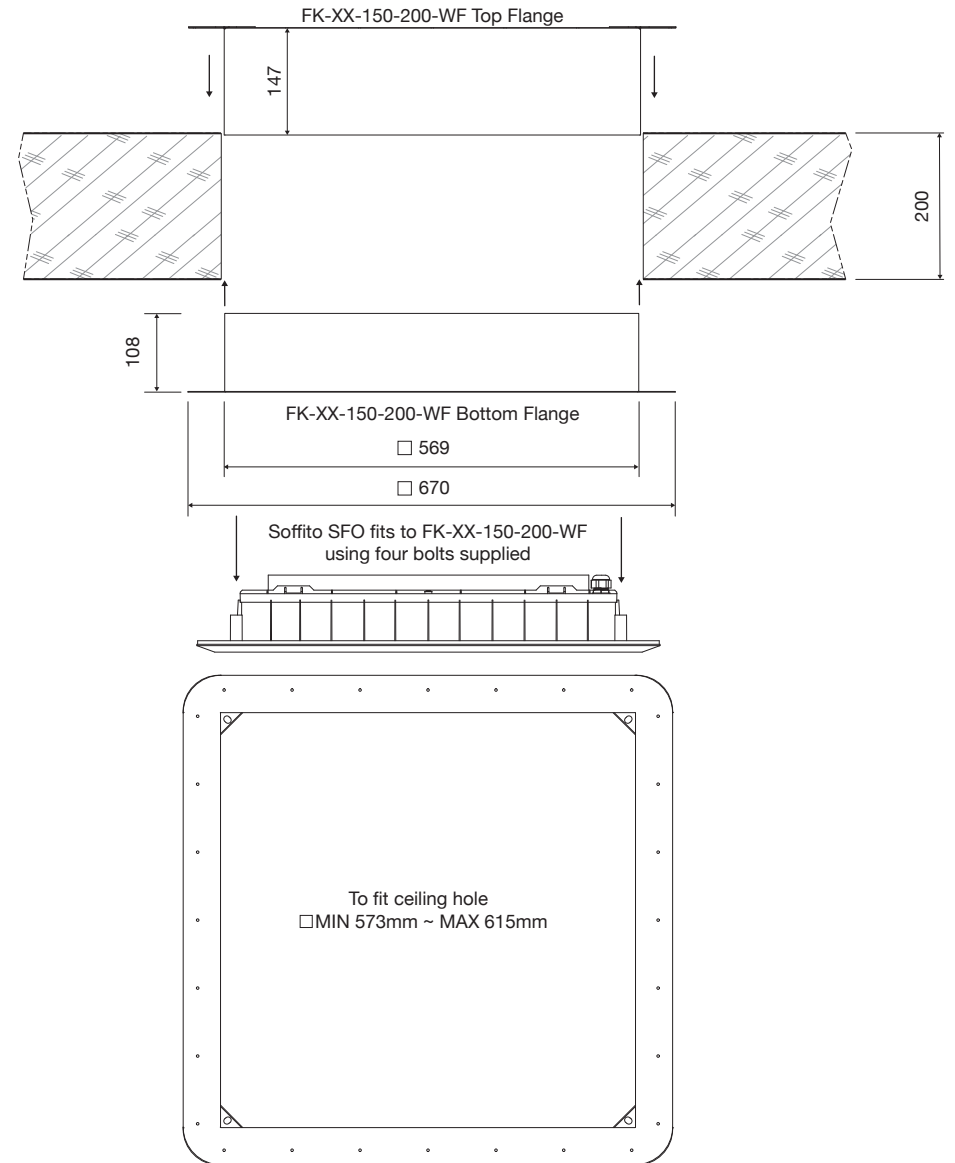
**SFO-FK-XX-100-150-WF**

**Flashing Kit - Retro-Fit**



**SFO-FK-XX-150-200-WF**

**Flashing Kit - Retro-Fit**



IP Rating: IP65

Max Power: 180W @ Ta 40°C

Typical Ambient Application -30°C ~ +25°C

316 Stainless Steel

SFO-FK-SS-100-150-WF

Epoxy White Paint over 304 SS

SFO-FK-PW-100-150-WF

IP Rating: IP65

Max Power: 180W @ Ta 40°C

Typical Ambient Application -30°C ~ +25°C

304 Stainless Steel

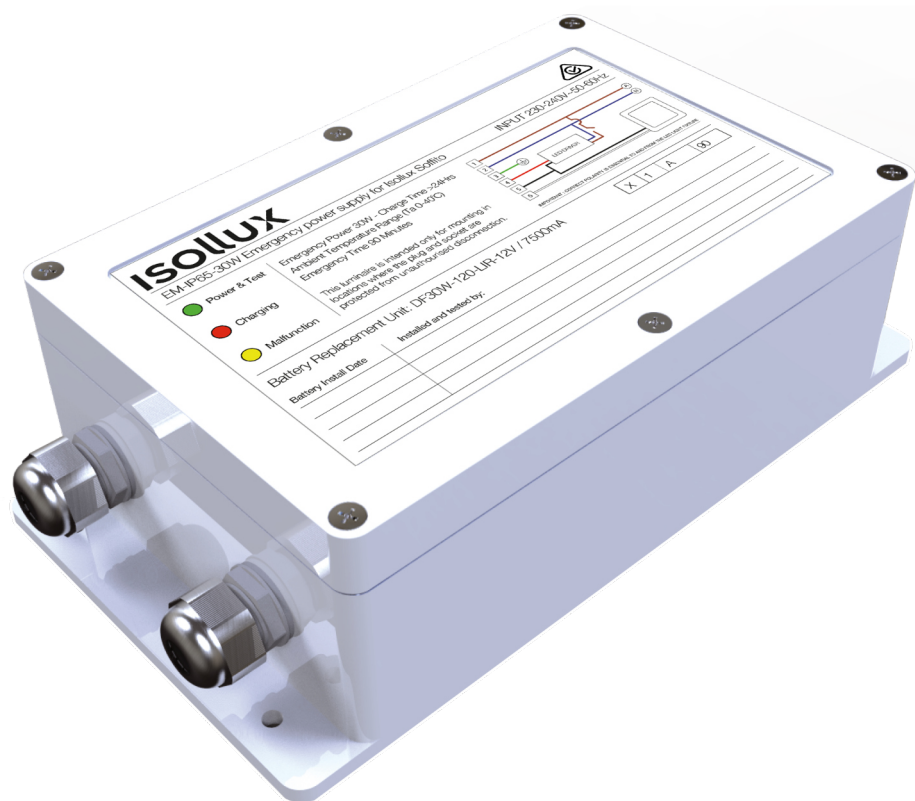
SFO-FK-SS-150-200-WF

Epoxy White Paint over 304 SS

SFO-FK-PW-150-200-WF

## SOFFITO EMERGENCY POWER PACK

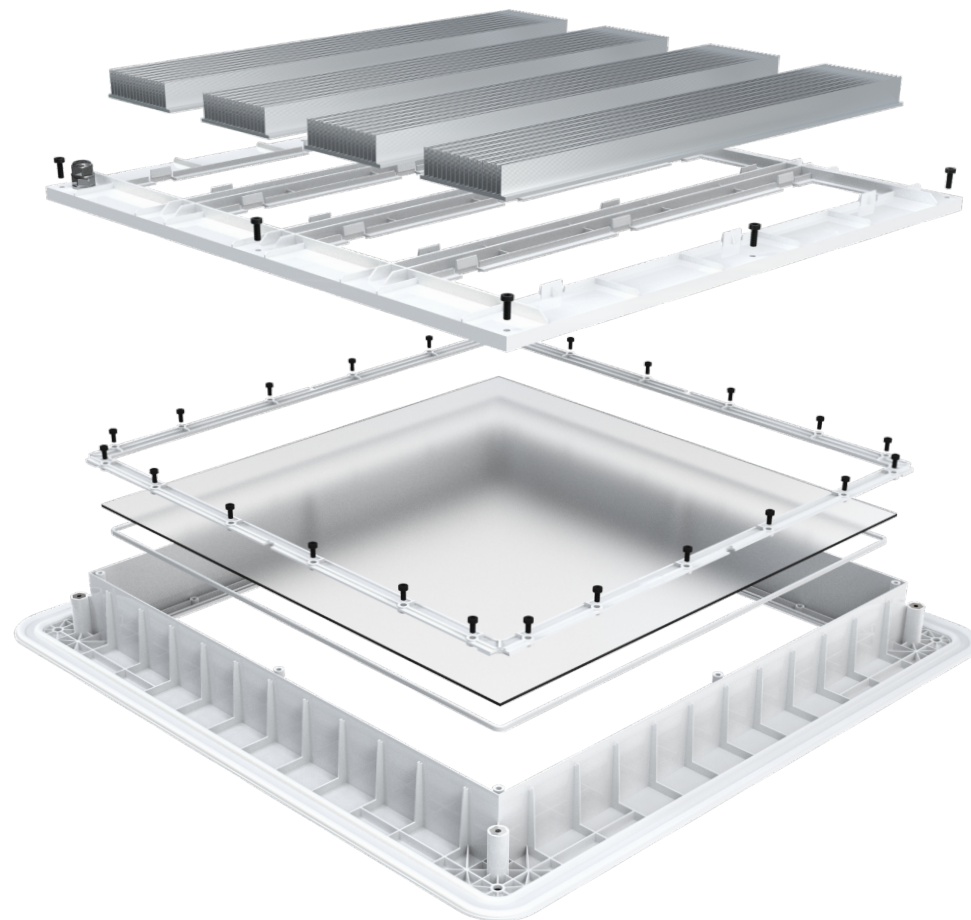
Soffito is now available with an emergency power pack, designed to provide 90mins of emergency power support at 30W with a minimum performance of 3,000lm (D32) Product reference: EM-IP65-30W.



ALWAYS DISCONNECT FROM MAINS BEFORE UNDERTAKING MAINTENANCE.

## LENS REPLACEMENT

Soffito is fully serviceable including the lens material. To replace lens disconnect from mains and undo the screws as shown, set top aside, being careful to protect the LED arrays from contact with contaminants or hard surfaces. Carefully remove the 24 screws which maintain pressure on the lens frame - remove and insert.



### NOTE:

Please pay careful attention to the LED Array as acid or grease from fingers can damage the product and could effect warranty.

ALWAYS DISCONNECT FROM MAINS BEFORE UNDERTAKING MAINTENANCE.

